



# The Guide for **VEGETABLE GROWERS**

**VOLTZ**  
MARAÎCHAGE

# EDITORIAL

Dear customers,

We are pleased to present to you our latest vegetable catalogue and variety range from GRAINES VOLTZ DEUTSCHLAND & **VOLTZ MARAÎCHAGE**. We are constantly working with commitment to expand and improve our product range.

The company HERMINA – MAIER GMBH, a leading company in the green industry throughout Southern Germany and Austria, became part of the company GRAINES VOLTZ France in October 2020. From pure seed traders, we have therefore also **become seed propagators and conservation or niche crops breeder**. In particular the product groups such as **herbs, radishes and climbing beans** are breeding by us.

**VOLTZ MARAÎCHAGE** proudly presents the 'The Guide for VEGETABLE GROWERS', in which you can find the varieties that will carry us into the future: our beautiful **tomato varieties, herbs with the mildew-tolerant types of basil** and our **diverse radishes**.

With our work, we provide you with the **most modern varieties** and **guarantee production of the highest quality** and a successful commercialization. Consumer wishes and trading needs are our main focus. The passion of our team and the **close and strong cooperation guarantee seed and plant quality of the highest level, profitability, success and reliability**. When selecting varieties, we attach great importance not only to following trends, but to always being one step ahead!

Our goal is to continue to serve you as a competent, efficient and flexible partner. We would like to thank you very much for your loyalty and the trust you have placed in us so far! Our sales team is always at your disposal for further questions; just contact us and we will be happy to advise you!

We look forward to a healthy and productive new season with you and hope you enjoy reading the following pages.

We will continue to serve you to the best of our knowledge and with our familiar quality, but now under the name of GRAINES VOLTZ DEUTSCHLAND.

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GRAINES VOLTZ DEUTSCHLAND



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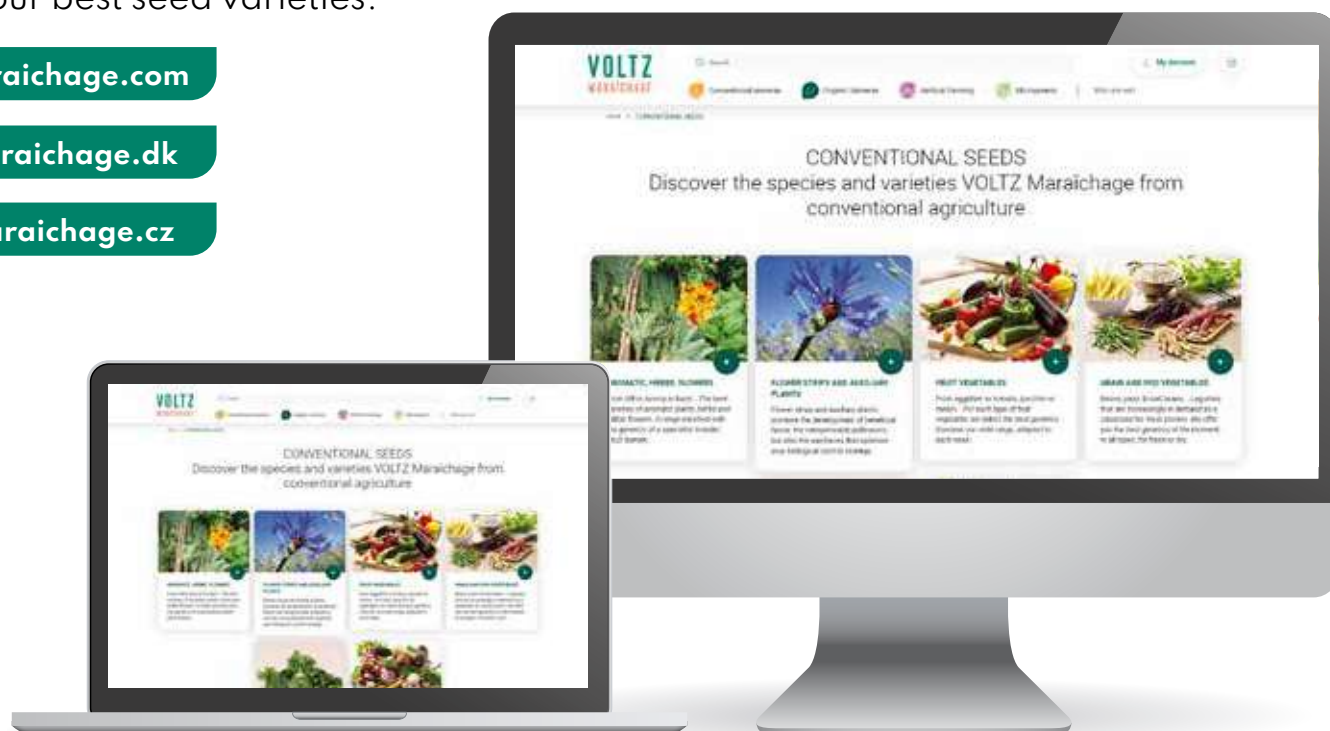
# DISCOVER OUR NEW WEBSHOP:

Simple and intuitive. With just a few clicks, you can reach our best seed varieties.

[www.voltz-maraichage.com](http://www.voltz-maraichage.com)

[www.voltz-maraichage.dk](http://www.voltz-maraichage.dk)

[www.voltz-maraichage.cz](http://www.voltz-maraichage.cz)



High-quality professional seeds



Carefully selected and tested varieties



Appropriate packaging and minimum quantities



Secure payment








Shipped within 48 hours







Payment by instalment without additional charges

## Abbreviations and icons

-  Exclusive specialties by GRAINES VOLTZ
-  Historical varieties
-  Suitable for the sale of mini vegetables
-  Variety with very high tolerance or resistance to the pathogen mentioned in the crest
-  New product

-  Cold greenhouse
-  Protected cultivation
-  Open field
-  Open field with foil
-  Greenhouse
-  All

- g** Grams
  - Precision** Precision seeds
  - Pilled seeds** Pelleted seeds
  - Seeds** Standard seeds
  - M** 1,000 seeds
  - Primed** Primed seeds
  -  Sowing
  -  Planting
  -  Harvest
  -  Forcing
- Calendars referring to French data

\*\*Variety included in list d: Variety with no actual value for commercial production; however, it is in accordance with special growth conditions.

For more general information and information about the various resistances mentioned in this catalogue, please refer to page 189-190.

## Nomenclature of item codes

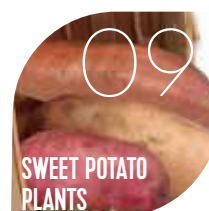
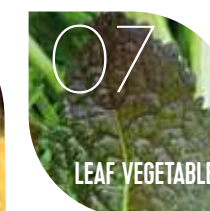
### First letter at the end of the number:

- N** Untreated
- F** Treated with fungicide
- I** Treated with insecticide and fungicide
- P** Seed discs, seed sheets, seed mat rolls

### Second letter at the end of the number:

- S** Standard seeds sold by weight
- G** Standard seeds sold per grain
- K** Precision sold per grain
- E** Pelleted seeds sold per grain
- M** Encrusted seeds sold per grain

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MARAÎCHAGE

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# The history of GRAINES VOLTZ

## A successful family history

In 1985, as the son of a seed dealer from Colmar, Serge Voltz founds his vegetable and flower seed trading company in the centre of Colmar, which he logically calls GRAINES VOLTZ (VOLTZ SEEDS). The town's vegetable gardens and nurseries are in close proximity.

Within 37 years, GRAINES VOLTZ develops into the most important independent French family business in this market sector. The company impresses with its special values and its attention to the needs of its customers. The company provides above-average customer service and well-coordinated support.

Over the years, Serge Voltz and his brother and CFO Christian succeed in attracting further experts with enthusiasm for their products, to expand their growing operations.

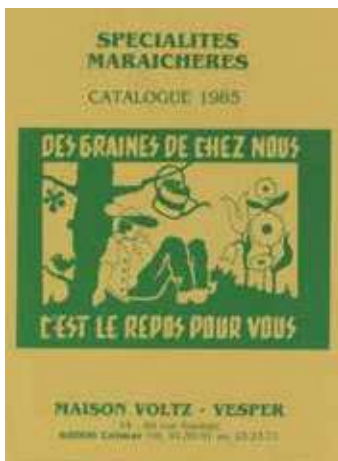
Today, GRAINES VOLTZ works every day with more than 400 employees to keep you satisfied.



Father VOLTZ in front of the Voltz-Vesper seed shop, Colmar, 1973



Fleurette Voltz, whose maiden name was Vesper, seen here propagating tomato seeds.



First seed catalogue 'Vegetable specialities' from the company Voltz-Vesper in 1985



**We are principally motivated by two driving forces: passion for the product and the unwavering wish to fulfil our customers' every requirement.**

**Serge Voltz**

## The history of HILD



1919

The company HILD Samen was founded in 1919 by Karl Hild as a family company in Marbach am Neckar.

1988

In 1988, HILD joined NUNHEMS, an international vegetable-growing company which operates in the world's most important producing countries and which today, as BASF Vegetable Seeds, under the Nunhems brand within BASF, embodies the vegetable seed business.

2018

BASF Vegetable Seeds is one of the leading suppliers of vegetable seeds with a product range of more than 1,200 seed varieties in approx. 25 vegetable species.

2019

HILD celebrates its 100th company anniversary.

2020

GRAINES VOLTZ acquires the portfolio of HILD Samen and can thus further expand its cultivating and research activities, which today enable it to offer you diversified, high-performance, original varieties

## The history of HERMINA MAIER



1898

Founded in 1898, the Herrmann family first ran a seed shop in the Swabian town of Gönningen. At that time, people went from house to house with a knapsack selling daily quantities of goods. The knapsack, which still adorns our company logo today, hung over the shoulder and stomach.

1928

Since 1928, the company has had its headquarters in Regensburg, known to everyone as 'HERMINA Samen'. Over the years, the company has continuously developed into one of the leading companies in the whole of Southern Germany and Austria.

1995

MAIER GRÜNLANDSAAT, based since 1995 in Bodenkirchen, was formed by the merger of the company SAMEN MAIER from Bodenkirchen and BAYERISCHEN GRÜNLANDSAAT from Plattling.

2016

In 2016, both companies made a future- and customer-orientated decision and bundled their joint activities in the field of horticulture into a new company: HERMINA-MAIER GmbH.

2020

Since October 2020, we have been part of GRAINES VOLTZ France, which acquired our company.

2021

The VOLTZ MARAÎCHAGE brand was founded to facilitate distribution to vegetable growers and professionals in the sector.

**VOLTZ**  
MARAÎCHAGE

2022

The company HERMINA-MAIER changes its name to GRAINES VOLTZ DEUTSCHLAND

 **GRAINES VOLTZ**  
DEUTSCHLAND



# Research and production

At GRAINES VOLTZ, the focus is on research and production. We develop our varieties directly and carry out numerous production programmes all over the world. These activities are controlled from France and the varieties are evaluated in our numerous screening stations in Europe and internationally. GRAINES VOLTZ thus accompanies its products throughout their entire life from cultivation to marketing.

## THE SELECTION IS WIDE

GRAINES VOLTZ is heavily involved in numerous research programmes, in particular research **into the historical varieties of HILD SAMEN** at our research and testing station in southern Germany.

To this end, we invest considerable resources each year in materials and staff dedicated to experimentation, research and innovation (greenhouses, polytunnels, cultivation rooms, laboratory equipment, etc.).

### Creation of new varieties

GRAINES VOLTZ is always open to new trends such as vertical farming and urban agriculture, and also to organic farming, and selects the seeds that best meet the new agroclimatic, legal and ecological requirements. We select the most interesting individuals according to genetic and phenotypical criteria and experiment with them on special plots to investigate their behaviour under real-life conditions.

The variety selection requires years of work. Our research focuses on the species for which GRAINES VOLTZ has become an undisputed specialist:

- **Basil** with improved organoleptic properties and resistances to certain diseases (Fusarium, mildew, etc.),
- **Flat and curly parsley** with dark colours, uniform leaves and disease resistance,
- **Chives** with upright growth and strong stems, suitable for various storage conditions,
- **Coriander** suitable for all types of growing conditions
- **Climbing beans** adapted to all geographical areas,
- **Radishes** suitable for all growing conditions, with homogenous and stable shapes and colours,
- But also other crops such as **leaf vegetables, dill, thyme**, etc.

Every year, several thousand new varieties are examined, tested and selected to offer varieties that are efficient in terms of yield, vitality, plant quality, disease resistance, early maturity, fruit quality and also size. Every year, the investments made by GRAINES VOLTZ in research and development lead to the inclusion of new vegetable varieties in the catalogue of official European varieties.





## ■ Preservation and propagation of basic seeds

From the introduction of a variety onwards and throughout its commercial life, the research team is responsible for the propagation and preservation of the basic seeds, which serve as the raw material for the growers responsible for the production of our commercial seeds. This preservation work is particularly important in order to avoid genetic drift.

## ■ Control of varietal purity

The research team is also responsible for testing the seeds which come from field or greenhouse production. The aim of these tests is to ensure that the variety is correct, that the seed batch is pure and that it does not contain mixtures with other varieties or off-types. In this way, our customers can be sure that they are buying the best seeds and will be completely satisfied.



## PRODUCTION

The production department is the guarantee for the exceptional quality of GRAINES VOLTZ.

It is supported by an extensive network of specialised growers spread throughout the world who supply GRAINES VOLTZ with high-quality seeds the whole year through.

Under cover or outdoors, GRAINES VOLTZ produces seeds from its own plant genetics, and also numerous varieties from the public sphere, where GRAINES VOLTZ has positioned itself as a specialist in safeguarding varieties that are rare or difficult to procure. In this way, we can manage and secure our stock for our own requirements and for the needs of our customers, so that we can make our seeds available the whole year round.



# The product at the heart of our work

## The product: a passion

**VOLTZ MARAÎCHAGE** is a team driven by a passion for the product. Our development department is constantly listening to market developments, trends and, above all, to the new needs of vegetable farmers in terms of disease tolerance, unique products, etc.

Our development team looks for the best varieties and most innovative products worldwide, working together with numerous partners and growers.



## A team of product specialists:

At **VOLTZ MARAÎCHAGE** the set-up and support of the field trials is mostly carried out by your technical and commercial experts. Each of them is responsible for one or more species of which they have good technical and market-related knowledge.

## Varieties that have been tested and approved prior to inclusion in our catalogues.

The varieties are added to the **VOLTZ MARAÎCHAGE** catalogue after they have undergone a series of validation procedures, which are determined by the species. For this purpose, the varieties are tested in our network of partner vegetable farmers in Germany, Austria and Benelux.



*Onion trials  
in the Palatinate region*



*Squash trials  
in Baden-Württemberg*



*Rocket trials  
in Hamburg*



*Radish trials  
in Baden-Württemberg*



*Cabbage trials  
in Lower Bavaria*

# Seeds, our field of expertise



For more than 35 years, GRAINES VOLTZ has developed and consolidated its specialist knowledge in the field of climatic and environmental conditions for seeds for horticulture. To this end, our entire team is constantly developing new methods to meet the quality requirements of the market and of our customers.

Seeds are a natural product. The quality and the final result also depend on changing environmental conditions.

The germination capacity of our precision seeds and pelleted seeds is tested very thoroughly by us in accordance with the guidelines and tolerances of ISTA(1).

- The stated germination capacity values for our precision seeds and pelleted seeds are the minimum values to which GRAINES VOLTZ is committed. They are determined in accordance with the guidelines and tolerances of ISTA(1) and are valid at the time of delivery.
- If the seeds supplied were not going to meet these requirements, GRAINES VOLTZ would notify you.
- Our vegetable seeds are produced using traditional methods and conform to the French and European statutory guidelines.

Seed quality is GRAINES VOLTZ's most important concern. Therefore, our quality department systematically checks physical and sanitary quality as well as germination. Strict procedures for the control of seeds and plants have therefore been introduced. These consist particularly of tests for variety identification and purity, specific purity, germination and the detection of pathogens. The majority of these analyses are carried out by our team in the GRAINES VOLTZ laboratory, in compliance with the ISTA(1) standard.

(1) ISTA: International Seed Technology Association.



Laboratory team

### Indicative standards for the germination rate of our precision seeds:

These are minimum values to which GRAINES VOLTZ is committed, depending on the species and seed type.

Types	Precision seeds	Pelleted seeds
Cabbage (white cabbage, red cabbage, Savoy cabbage, cauliflower, broccoli)	90%	-
Carrot (hybrid varieties)	85%	-
Celery	93%	95%
Chicory	85%	-
Corn Salad	93%	95%
Cucumber	92%	-
Endive (curly and smooth-leaved)	90%	92%
Eggplants	90%	-
Fennel	85%	90%
Leek (free-flowering varieties)	90%	90%
Leek (hybrid varieties)	85%	90%
Lettuce	93%	95%
Melon - Charentais varieties	95%	-
Melon - other varieties	90%	-
Onion	90%	-
Parsley	85%	-
Radish	92%	-
Red Beet	90%	-
Spinach	85%	-
Sweet corn	90%	-
Sweet pepper (hybrid varieties) and hot pepper	90%	-
Tomato (hybrid varieties)	92%	-
Watermelon	90%	-
Zucchini	92%	-



Germination cabinet

NB : The above standards are set in accordance with the ISTA(1) guidelines and tolerances. They are valid at the time of delivery. (1) ISTA: International Seed Technology Association.

# Product types

**STANDARD SEEDS:** This is seed that generally does not undergo any special processing and is sold by weight and/or per unit, depending on the product.

**PRECISION SEEDS:** Precision seeds undergo additional processing. The seeds are of a uniform size and show high germinability. The seeds are sold per grain.

**FILM-COATED SEEDS:** The film coating is a total application, usually a coloured layer, covering the entire surface of the grain. The original shape of the grain is preserved. Additional constituents can also be included. Film-coating can be identified by the seeds' colour.

**PELLETED SEEDS:** Pelleting changes the shape of the seeds. The grains are coated with a base material. The aim is to give the grains a uniform shape and size to facilitate sowing. Other elements can be added. Pelleted seeds are sold per grain.

**PRE-GERMINATED SEEDS:** Pre-germination is the activation of the germination process in order to obtain faster, more even germination. Pre-germinated seeds are sold per grain. This process is also known as 'priming'.



Standard seeds and film-coated/pelleted seeds of celeriac



Standard seeds and film-coated seeds of tomato

**Germination:** the germination specifications refer to ISTA processes and are valid at the time of delivery.

**Varietal purity:** the degree of purity of the variety defines the percentage of plants of the respective variety.

**Our products are intended for professional vegetable production and comply with EU standards.**

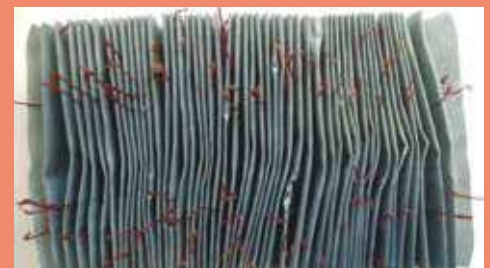


Seed treatment machine

## TESTS



Germination on a Jacobsen table



Germination on folded paper



Germination on smooth paper



Germination

# Herbs

From dill to savory to basil... The best varieties of herbs. An assortment enriched with the genetics of a specialist breeder: HILD Samen.

## 01



HERBS

HERB PLANTS

MICROGREENS

LEGUMES

FRUIT VEGETABLES

CROCIPOUS VEGETABLES

LEAF VEGETABLES

ROOT VEGETABLES

SWEET POTATO PLANTS

SWEET CORN

BULB VEGETABLES

BULB VEG. SEEDLINGS

PRODUCT RANGE EXPANSION

# Basil

*Ocimum basilicum L.*

**Sowing:**  
February to June

**Seed requirements:**  
3 g for 1,000 plant  
6-8kg/ha  
5-10 seeds/mottes

**Pre-cultivation:**  
7 to 9 weeks

**Growing temperature:**  
18-22 °C

**Seed rate:**  
100 seeds/m linear  
25 to 28 cm between rows



## TECHNICAL NOTE

In recent years, basil plants have been severely affected by late blight. This fungus deforms and withers the leaves. It causes spots (chlorotic lesions) and makes the plant unmarketable. Genetic improvement is still the only effective way to combat this pathogen.

We have selected 4 new varieties with a high tolerance to the existing mildew species: **Fortifino**®, **Fortilargero**®, **Loki**, **Garibaldi**.

## MILDEW



**FORTILARGERO**®(2) F1



Flexibility and resistance

**FORTIFINO**®(1) F1



**LOKI**



**GARIBALDI**



**GUSTOSA**



**BONAZZA**



**LUCIA**



**RUDY**



**ADRIANA**



**LUNA**



**HELIOS**



**CANNELLE**



**THAI SITA**



**PLUTO**

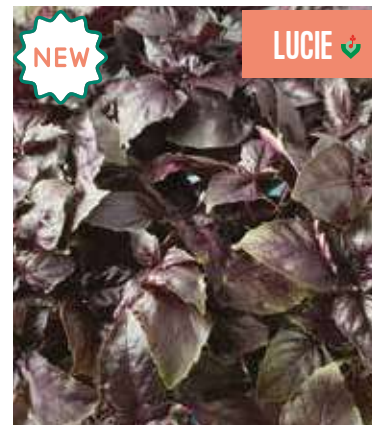


**RUBRA**



NEW

**LUCIE**









(1) (2) See third cover © Registered trademark

## Genovese type

Varieties	Use	Height in cm	Characteristics	Product type	Min Qty	Item no.
 FORTILARGERO® F1 	Cutting, pot	40-45	Genovese type. Large, dark green leaves. <b>Very high tolerance to mildew.</b> Late-flowering.	Untreated	5,000 seeds	058250NG
 FORTIFINO® F1 	Cutting	50-60	Genovese type. Smaller leaves than Fortilagero®. Fast growth. <b>Very high tolerance to mildew.</b> Rapid regrowth between 2 cuts.	Untreated	5,000 seeds	058251NG
 GARIBALDI	Pot	20-40	Top grower of the Genovese type. For top growth, all year round, with <b>HR resistance to downy mildew (Peronospora)</b> ; remains very compact even at high temperatures and does not bolt for a long time.	Untreated	10 g	058077NS
LUCIA 	Pot	30-40	Compact pot basil for year-round production. Flat, only slightly curved leaves. Horizontal leaf position, easy to pack. Very robust and upright, long shelf life after harvest.	Untreated	10 g	058259NS
				Treated	1 kg	058259FS
GUSTOSA 	Pot	22	Genovese type, particularly suited to pots. Very uniform variety with dark green, slightly curved leaves. Suitable for year-round production.	Untreated	10 g	058079NS
				Treated	1 kg	058079FS
 LOKI 	Cutting and industry	22	<b>New-generation Genovese type with high resistance and tolerance to mildew.</b> Uniform product that behaves well even in cold conditions.	Untreated	10 g	058253NS
				Treated	1 kg	058253FS
RUDY	Pot	20-40	Conventional type; a compact, late-flowering Genovese-type pot basil; the relatively large leaves are deep dark green and slightly shiny; Rudy's great advantage is its combination of uniformity and speed; the very thick leaf stems give excellent transportability and a long retention time with the end user; Rudy is ideally suited for year-round cultivation.	Untreated	10 g	058088NS
ADRIANA 	Cutting	50-60	Compact growing pot basil for year-round cultivation. Dark green variety, easy to pack due to horizontal leaf position.	Untreated	10 g	058256NS
				Treated	1 kg	058256FS
LUNA 	Cutting and industry	45	Extreme cold-resistance. Robust against Fusarium. High yields and good shelf-life. Good regenerative capability, also suitable for multiple harvesting. Ideally suited to the fresh food market and industry.	Untreated	10 g	058260NS
				Treated	1 kg	058260FS
BONAZZA 	Cutting and industry	45	Genovese type with shiny, dark green leaves. Very robust against Fusarium and botrytis, long shelf-life after cutting, very good storage capability and transportability. For fresh food market and industry.	Untreated	10 g	058257NS
				Treated	1 kg	058257FS

## Other types

Varieties	Use	Height in cm	Characteristics	Product type	Min Qty	Item no.
CANNELLE	Cutting, pot	60-70	Purple stem. Cinnamon aroma. Very unusual.	Untreated	10 g	058051NS
HELIOS 	Cutting, pot	25	Fine-leaved lemon basil, combines the basil and lemon aroma in one variety. Fast-growing.	Untreated	10 g	058258NS
 LUCIE 	Pot and fresh food market	20-30	Intense red basil, compact, upright development on sturdy stems.	Untreated	5,000 seeds	058001NG
PLUTO 	Cutting, pot	18	Small-leaved basil. High-yield, well-branched variety with a very aromatic flavour.	Untreated	10 g	058262NS
RUBRA 	Cutting, pot	30-50	Uniform and compact growing, exceptionally uniformly dark red coloured basil. Very well suited for pot cultivation.	Untreated	10 g	058263NS
THAI SITA 	Pot	20-40	Thai basil with very good, sweet aromatic flavour and pleasantly exotic scent.	Untreated	10 g	058264NS

# Chives

*Allium schoenoprasum L.*

**Sowing:**  
Year-round

**Seed requirements:**  
6-8 seeds/bale  
8-10 kg/ha

**Growing temperature:**  
15 - 20 °C

**Density of sowing:**  
200/m linear  
25 cm between rows

**Germination time:**  
10 - 18 days



**DIVONNE** 🌱



**DOLORES** 🌱



**FITLAU** 🌱



**MARLAU F1** 🌱



**POLYREX** 🌱



**POLYSTAR** 🌱



**POLYUP** 🌱



**POLYVERT** 🌱



**POLYVIT** 🌱

Varieties	Use	Height in cm	Characteristics	Product type	Min Qty	Item no.
<b>DIVONNE</b> 🌱	Cutting, pot	30	Good regenerative capability. Stable, very vigorous variety. Very suitable for forcing. Medium to coarse variety with fleshy, dark- to blue-green stalks;	Untreated	10 g	058102NS
				Treated	1 kg	058102FS
<b>DOLORES</b> 🌱	Bulb production, cutting, pot	30-35	Very vigorous and stable variety. Uniform, upright growth. Ideal for forcing. Fine to medium coarse stalk variety with dark green stalks;	Untreated	10 g	058213NS
				Treated	1 kg	058213FS
<b>FITLAU</b> 🌱	Cutting, pot	30-35	Very robust, dark green variety. Ideal for forcing. Medium-sized stable stalks, strong, upright growth; early, very even flush; ideal for forced cultivation in pot; highest rust-resistance.	Untreated	10 g	058092NS
				Treated	1 kg	058092FS
<b>MARLAU F1</b> 🌱	Cutting, industry	50	Uniform hybrids. Very robust against rust. Suitable for fresh food market and industry. Very high yield.	Untreated	10 g	058266NS
				Treated	1 kg	058266FS
<b>POLYREX (HI 15 110)</b> 🌱	Pot	50	Coarse, dark green stalks, suitable for direct sowing.	Untreated	10 g	058275NS
<b>POLYSTAR</b> 🌱	Cutting, pot	25-30	Fast-growing, dark green selection. Low tendency to yellow leaf tip. Very suitable for pot production.	Untreated	10 g	058097NS
<b>POLYUP</b> 🌱	Cutting, industry	45	Dark green, extremely upright and stable. Very high yield even in the second and third year after sowing. Not prone to yellow leaf tip. Suitable for fresh food market and industry.	Untreated	10 g	058267NS
				Treated	1 kg	058267FS
<b>POLYVERT</b> 🌱	Cutting, industry	45	Very dark green, coarse-stalk variety; thick-walled, very upright and robust. Flexible in cultivation, remains homogenous even after several cuts.	Untreated	10 g	058095NS
				Treated	1 kg	058095FS
<b>POLYVIT</b> 🌱	Cutting, pot, industry	50	Dark green variety, suitable for all sectors.	Untreated	10 g	058103NS
				Treated	1 kg	058103FS



# Coriander

*Coriandrum sativum L.*

**Sowing:**  
March to July

6 kg/ha  
4 seeds/bale

**Density of sowing:**  
100 per linear metre  
25 between the rows

**Seed requirements:**  
30g for 1,000 plants

**Growing temperature:**  
15 - 20°C

ATLAS®



EAGLE®



CONFETTI



SHANGAI



Varieties	Use	Height in cm	Characteristics	Product type	Min Qty	Item no.
ATLAS®	Cutting, Industry	30	Very dark green variety, late bolting, very robust. High-yield, for outdoor and greenhouse cultivation.	Untreated	10 g	058254NS
				Treated	1 kg	058254FS
SHANGAI	Pot	25	Very compact, extremely upright type for pot cultivation from August to March. Excellent flavour.	Untreated	10 g	058268NS
				Treated	1 kg	058268FS
EAGLE®	Cutting, pot	50	Dark green foliage. Bolt-resistant. Fairly compact plant.	Untreated	10 g	058112NS
CALYPSO	Cutting, industry	60	The most bolt-resistant variety on the market.	Untreated	5,000 seeds	H58116NG
CONFETTI	Pot	25 - 30	Speciality coriander with long, deeply pinnate leaves.	Untreated	5,000 seeds	H58119NG
GREEN BUSH	Cutting, pot	60	Exceptional upright type, very compact, for year-round pot cultivation; highly bolt-resistant.	Untreated	10 g	H58120NS

# Dill

*Anethum graveolens L.*

**Sowing:**  
February to July

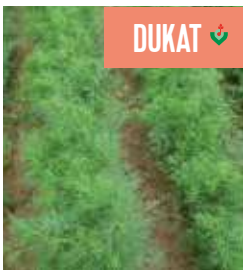
**Pre-cultivation:**  
9 - 11 weeks

**Density:**  
30 cm between rows  
20 cm within rows

**Seed requirements:**  
8 kg/ha  
6-7 seeds/bale  
20g for 1,000 plants

**Growing temperature:**  
15 - 20°C

DUKAT



HERA



LENA



THALIA



ANETTE



Varieties	Use	Height in cm	Characteristics	Product type	Min Qty	Item no.
DIANA	Cutting, industry	45	Very upright, stable selection. Dark blue-green colour and very leafy. Compact growth, particularly bolt-resistant.	Untreated	10 g	058613NS
				Treated	1 kg	058613FS
DUKAT	Industry	45	Dark-green variety, slow to bolt, with extended harvesting window. Suitable for year-round cultivation.	Untreated	10 g	058013NS
				Treated	1 kg	058013FS
HERA	Cutting, Industry	40	Highly bolt-resistant dill with tight growth, giving a large amount of leaf mass. Suitable for fresh food market and industry.	Untreated	10 g	058024NS
				Treated	1 kg	058024FS
LENA	Pot	25	Very dark-green, upright variety, suitable for pot cultivation as well as production for cutting in spring and autumn. Coarsely pinnate leaves.	Untreated	10 g	058255NS
				Treated	1 kg	058255FS
THALIA	Cutting, Industry	40	All-round variety for all cultivation sectors. Very dark green, late-bolting dill with high yields. Very robust.	Untreated	10 g	058023NS
				Treated	1 kg	058023FS
ANETTE	Cutting, pot	100-150	Healthy, medium green, late flowering and close-leaved variety for outdoors and especially for pots, as it is a little more compact and the leaves are laid directly over the pot/ground.	Untreated	10 g	H58026NS

# Parsley

*Petroselinum crispum* Mill. L.

## Curly parsley



AFRODITE



LISETTE



GRÜNE PERLE



KATINKA



DARKI



STARLETT



MENUETTE\*

Varieties	Use	Height in cm	Characteristics	Product type	Min Qty	Item no.
AFRODITE	Pot	30-50	Dark variety with rapid growth. Ideal for year-round production for pot cultivation. Very upright, uniform colour and leaf shape. The compact growth guarantees long durability in pots.	Untreated	50 g	047014NS
				Treated	1 kg	047014FS
DARKI	Cutting, pot, industry	30-50	Very dark curly parsley type for year-round cultivation; easy to harvest due to the extremely upright leaf position. Suitable for pot cultivation, fresh food market and industry. Very dark, medium-coarse, also for pot cultivation and under glass.	Untreated	50 g	047017NS
				Treated	1 kg	047017FS
GRÜNE PERLE	Cutting, pot, industry	30-50	All-round variety for outdoor and pot cultivation. Ideal for over-wintering due to very low bolting tendency. Curly type.	Untreated	50 g	047003NS
				Treated	1 kg	047003FS
KATINKA	Cutting, pot, industry	30-50	Ideal for outdoor and pot cultivation; very dark colour, medium curly leaves; excellent shelf-life after harvesting, low susceptibility to downy mildew.	Untreated	50,000 seeds	H58132NG
LISETTE	Pot	30-50	Selection of the curly parsley type, finely curled with a fresh green colour. Very fast development. Lisette shows very good results in over-wintering. Low bolting tendency, ideal for pot cultivation.	Untreated	50 g	047022NS
				Treated	1 kg	047022FS
STARLETT	Cutting, pot	30-50	Excellent for outdoor and pot cultivation, perfect combination of dark colour and short cultivation period: heavy, tightly filled leaf cushions on strong stems, robust curly parsley type with medium-coarse leaf curl; very good durability after harvesting.	Untreated	50 g	047015NS
				Treated	1 kg	047015FS
MENUETTE (HI 17 365)	Cutting, pot	30-40	Exclusive parsley variety with intense flavour and unusual leaf shape.	Untreated	50 g	047041NS

## Smooth parsley



LAICA

Fast development and high yield



GIGANTE D'ITALIA RACE HILMAR



LAURA



PEIONE



LION

Varieties	Use	Height in cm	Characteristics	Product type	Min Qty	Item no.
GIGANTE D'ITALIA RACE HILMAR	Cutting, pot, industry	30-50	Robust dark green parsley, intense aroma. Large and smooth-leaved, on strong stems. High yield.	Untreated	50 g	047040NS
				Treated	1 kg	047040FS
LAICA	Cutting, pot, industry	30-50	'Gigante d'Italia' type with very large leaves. Dark green variety. Smooth parsley with very fast development and high yields. Good regenerative capability.	Untreated	50 g	047042NS
				Treated	1 kg	047042FS
LAURA	Cutting, pot, industry	30-50	Excellent quality in 'single cut' type; very dark green; smooth, fine, small leaves. Vigorous growth, very upright. Suitable for cutting and pot cultivation. HR: Pp.	Untreated	50 g	047008NS
				Treated	1 kg	047008FS
LION (HI 15312)	Cutting, pot	30-50	Good durability in the field; ideal combination of large leaf and compact, very stable, upright stems. HR: Pp; IR: Sp. Resistance to downy mildew and Septoria.	Untreated	50 g	047043NS
				Treated	1 kg	047043FS
PEIONE	Cutting, pot	30-50	New selection of Gigante d'Italia type: large, dark green leaves, strong stem; ideal for bunched product and IR resistance to downy mildew.	Untreated	50,000 Precision	H47036NK

# Other herbs

Anise



Borage



Salad burnet



Caraway



Chervil



MASSA



Chamomile



Garlic chives



Hyssop



Leaf celery



Lemon balm



Lovage



Species	Varieties	Use	Height in cm	Characteristics	Product type	Min Qty	Item no.
<b>ANISE</b>	-	Pot	50	Use: dry fruit for bakery products, spirits and liqueurs.	Untreated	10 g	058030NS
<b>BORAGE</b>	<b>OFFICINALE</b>	Cutting, pot	60	Sensitive to frost. Use: young leaves and tips, especially with cucumbers, tomatoes, potato salad and raw fruit & vegetables; loses its taste during cooking.	Untreated	10 g	058071NS
<b>BURNET (PIMPINELLA)</b>	-	Pot, industry	60	Harvest: May-November: young leaves and shoots. Use: seasoning for sauces and salads, cucumber flavour.	Untreated	10 g	058165NS
<b>CARAWAY</b>	-	Cutting, pot	100	Loamy soils give high yields; direct sowing. Use: classic spice for heavy dishes, bread, boiled potatoes; leaves have a mild parsley-dill flavour that goes well with soups and salads; roots can be cooked as a vegetable.	Untreated	10 g	058121NS
<b>CHAMOMILE</b>	<b>MATRICARIA</b>	Industry, pot	30	Chamomile with small white flowers ( <i>Matricaria recutita</i> ). Prefers sandy loam soil of the black earth and riparian soil types; no special requirements regarding the previous crop in terms of crop rotation, suitable ones are root crops and cereals.	Untreated	10 g	058073NS
	<b>COMMUN (SIMPLE)</b>	Cutting, pot	30 - 40	Temperatures below 9°C can result in bolting. Cut-out dark green leaves.	Untreated	10 g	058082NS
<b>CHERVIL</b>	<b>MASSA (WINTER)</b>	Cutting, pot	30-40	Dark green leaves. Good bolt-resistance.	Untreated	10 g	058080NS
					Treated	100 g	058080FS
	<b>SUMMER SELECT</b>	Cutting, industry	50	Slow-growing, dark green; for summer cultivation; for fresh food market and industry.	Untreated	100 g	H58089NS
<b>GARLIC CHIVES</b>	<b>SHIVA</b> 🌱	Cutting, pot, industry	30-35	Very vigorous and high-yield variety with pleasant garlic taste. Use of fresh leaves - similar to chives. The stalks remain healthy and sprout again after cutting. Annual to biennial.	Untreated	10 g	058265NS
<b>HYSSOP</b>	<b>HYSSOP ANISE</b>	Cutting, pot	60-100	Young leaves are chopped finely for salads and vegetables; ingredient in Chartreuse liqueur; also used in the production of perfume.	Untreated	10 g	058128NS
<b>LEAF CELERY</b>	-	Cutting, pot, industry	Up to 120	Conventional variety. Very aromatic.	Untreated	10 g	058076NS
<b>LEMON BALM</b>	<b>CITRONELLA</b>	Cutting, pot, industry	60-80	Long-lasting herb plant which can reach 25 to 30 years old; forms a rhizome from which short, subterranean offshoots emerge; for targeted use, lemon balm is grown as a biennial to triennial crop; cultivation is carried out either by planting young plants propagated from March onwards in May or September, or by direct sowing in May. Use: cultivated as a spice, medicinal and bee-pasture plant; as a culinary spice; for flavouring cold drinks, salads, sauces and stewed fruit. Especially intense, refreshing taste, especially suitable for growing in pots.	Untreated	1 g	058145NS
<b>LOVAGE</b>	-	Cutting, pot	150 - 200	Lovage, a perennial herb plant with an intense, aromatic scent.	Untreated	10 g	058005NS

### Marjoram



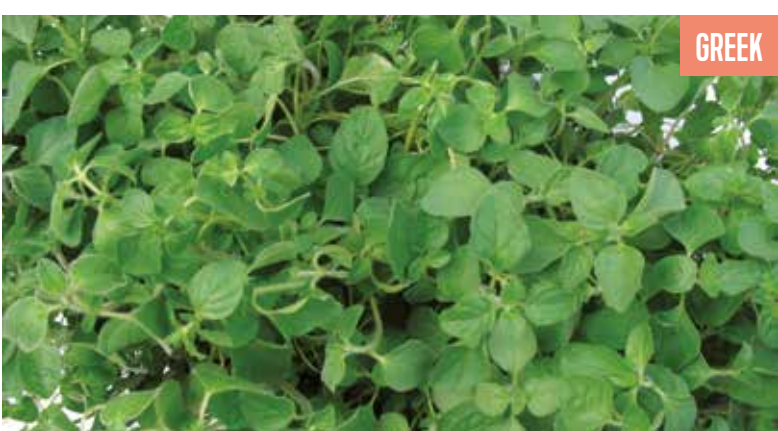
### Mugwort



### Mint



### Oregano



### Red sorrel



Species	Varieties	Use	Height in cm	Characteristics	Product type	Min Qty	Item no.
MARJORAM	ANNUAL	Cutting, pot	30-40	Round, hairy green leaves. Very spicy; high in essential oils; the leaves are used fresh or dried to season potato dishes, soups (potato soup), sauces, sausages and pulses; for drying, the whole stem is harvested, dried marjoram therefore contains leaves, stems, buds and flowers; harvest before flowering (Flowers: June to September), situation: sunny.	Untreated	5 g	058140NS
	MARCELKA	Cutting, pot	40-60	Easy, for pot and outdoor cultivation.	Untreated	10 g	058127NS
	MAX	Pot	40-60	Strong stalk, dark green foliage, also for winter crop.	Untreated	10 g	H58130NS
MINT GREEN	SPEARMINT	Cutting, pot	30	Refreshing fragrance with a strong mint aroma.	Untreated	1 g	058151NS
PEPPERMINT	-	Cutting, pot, industry	60-80	Long-day plant: in short-daylight conditions, it mainly sends out runners; in long-daylight conditions over 14 hours, it grows upright and flowers. In autumn the leaves die back; in spring the plant sprouts again. The leaves have a very curious smell, briefly balsamic, and a pleasantly spicy taste, initially warming, then noticeably cooling; the leaves contain essential peppermint oil. Use: as a tea or spice; main ingredient: menthol, first harvest: shortly before flowering yields the best results, the second harvest in autumn a lesser one; flowers: June to August; occasionally sold fresh commercially, but mainly dried.	Untreated	1 g	058150NS
MUGWORT	-	Cutting, pot	200	Harvest: Inflorescences – just before flowering, remove leaves from the inflorescence, as these are very bitter. Use: Panicles with closed flower buds for seasoning roast meat. The characteristic aroma only develops during cooking.	Untreated	100 g	058033NS
OREGANO	GREEK	Cutting, pot, industry	35	Dry and sunny location; hardy in moderate latitudes; harvest: cut whole stems a hand's width above the ground and hang in a dark room to dry; after drying, the leaves can be stripped from the stalk and stored dry. Use: a very important spice in Italian and Spanish cuisine, but also widely used throughout the rest of the Mediterranean; very good in omelettes, Italian sauces, tomato dishes, lamb or vegetable casseroles and pizza.	Untreated	1 g	058156NS
	VULGARE	Cutting, pot	40-50		Untreated	1 g	058155NS
RED SORREL	RED	Cutting, pot	50-80	Cultivation method: Sorrel prefers alluvial woods and other damp deciduous woodland; it thrives in woodland near rivers, at the edge of woods, on damp waysides and in coppices; it prefers water-logged soil that is rich in nutrients and low in chalk, as well as humous loam and clay soils; it is an indicator for soil compaction and waterlogging; also an interesting addition to baby leaf production. Use: Good addition to vegetable soups and salads, very decorative.	Untreated	10 g	058269NS
	SCARLET 🌱	-	-	Thick, oval, dark green leaves with red veins. Very attractive contrast. Excellent flavour. Adapted to heat, for late spring, summer and autumn production.	Untreated	10 g	0395271NS

Roman fennel



Rosemary



Rue



Sage



Summer savory



Sorrel



Tarragon



Thyme



Valerian






Winter savory



Wormwood





Species	Varieties	Use	Height in cm	Characteristics	Product type	Min Qty	Item no.
ROMAN FENNEL	BRONZE 	Cutting, pot	150-200	Ancient, originally Mediterranean cultivated plant; requires a warm situation with moderately dry, nutrient-rich, alkaline clay or loess soil; very fast variety for early cultivation outdoors and under glass.	Untreated	10 g	058126NS
	COMMUN	Cutting, pot	150-200	Delicate variety with green foliage, height of 1.5 m or more. Does not form bulbs. Caution! Do not plant near dill or coriander (cross-pollination). Should be used fresh.	Untreated	10 g	058159NS
ROSEMARY	OFFICIAL	Cutting, pot	60	Typical Mediterranean vegetation; evergreen semi-shrub; germination time is four weeks; requires open, humus-rich soil; the plant thrives in dry conditions; not hardy north of the Alps. Harvest: whole sprigs, not single needles, all year round. Use: barbecue seasoning, for meat, poultry, lamb, zucchinis, potatoes, pasta dishes.	Untreated	1 g	058175NS
RUE	-	Pot	60	The leaves have an intense flavour, so should be used sparingly; the seasoning is recommended for different meat dishes (game, mutton), with eggs, fish and cream cheese, and for salad, sauces, pastries and herb butter.	Untreated	5 g	058180NS
SAGE	FITNESS 	Cutting, pot	70	Special selection for mid-summer.	Untreated	10 g	H58138NS
	OFFICIALIS 	Cutting, pot	70-80	High essential oil content.	Untreated	10 g	058271NS
SUMMER SAVORY	ANNUAL	Cutting	40-50	Harvest: for fresh food market – young leaves and shoots before flowering; for industry use should not be cut too deep, as the stem content is too high; slow drying at max. 40°C; maintain crop rotation for at least 4 years. Use: for seasoning beans, pickling cucumbers, omelettes, stews and soups; as a salad seasoning.	Untreated	10 g	058185NS
	COMPACT ANNUAL	Pot	30-50	Compact growth, particularly good for pot cultivation.	Untreated	10 g	058270NS
SORREL	DE BELLEVILLE	Cutting, pot	20-30	Late bolting. Perennial; loves loamy soil rich in nutrients and nitrogen; flowering period: extends from May to August; red flowers are formed on bare stems as a panicle. Use: as for spinach or mix with spinach to give a slightly more spicy flavour; also in salads or in a creamy sorrel soup, as well as for sauces and omelettes.	Untreated	10 g	058160NS
					Treated	10 g	058160FS
TARRAGON	RUSSIAN	Cutting, pot	100-150	Use: for seasoning. Harvest: young shoots or leaves, several cuttings a year; delicate anise aroma; highest content of spicy essential oils is immediately before flowering.	Untreated	1 g	058124NS
THYME	GERMAN WINTER	Cutting, pot	30	Hardy variety with very strong aroma.	Untreated	5 g	058195NS
						5,000 Pilled seed	058195NME
VALERIAN	-	Pot, industry	150	Harvest: from the second year onwards, the roots can be harvested from Sept. - Nov.	Untreated	10 g	058206NS
WINTER SAVORY	-	Cutting, pot	50	Very compact plant, strong scent. Harvest: young leaves and shoots before flowering. Uses: for seasoning beans and pickling cucumbers, as a salad seasoning, for omelettes, stews and soups (milder flavour than annual summer savory).	Untreated	10 g	058186NS
WORMWOOD	-	Pot	100	Young leaves and inflorescences are used as tea.	Untreated	5 g	058027NS

P.13

BASIL **LOKI F1** 🌱

**CHARACTERISTICS:** New-generation Genovese type with high resistance and tolerance to mildew. Uniform product that behaves well even in cold conditions.

MIN QTY: 10 g ITEM NO.: 058253NS  
1 kg ITEM NO.: 058253FS

P.15

CORIANDER **ATLAS®** 🌱

**CHARACTERISTICS:** Very dark green variety, late bolting, very robust. High-yield, for outdoor and greenhouse cultivation.

MIN QTY: 10 g ITEM NO.: 058254NS  
1 kg ITEM NO.: 058254FS

P.13

BASIL **FORTILARGERO® F1** 🌱

**CHARACTERISTICS:** Genovese type. Large, dark green leaves. **Very high tolerance to mildew. Late-flowering.**

MIN QTY: 5,000 seeds  
ITEM NO.: 058250NG

P.17

PARSLEY **LAICA** 🌱

**CHARACTERISTICS:** 'Gigante d'Italia' type with very large leaves. Dark green variety. Smooth parsley with very fast development and high yields. Good regenerative capability.

MIN QTY: 50 g ITEM NO.: 047042NS  
1 kg ITEM NO.: 047042FS

P.13

BASIL **LUCIE** 🌱

**CHARACTERISTICS:** Intense red basil, compact, upright development on sturdy stems.

MIN QTY: 5,000 seeds  
ITEM NO.: 058001NG



P.14

CHIVES **POLYVERT** 🌱

**CHARACTERISTICS:** Very dark green, coarse-stalk variety; thick-walled, very upright and robust. Flexible in cultivation, remains homogenous even after several cuts.

MIN QTY: 10 g ITEM NO.: 058095NS  
1 kg ITEM NO.: 058095FS

P.15

DILL **HERA** 🌱

**CHARACTERISTICS:** Highly bolt-resistant dill with tight growth, giving a large amount of leaf mass. Suitable for fresh food market and industry.

MIN QTY: 10 g ITEM NO.: 058024NS  
1 kg ITEM NO.: 058024FS

P.16

PARSLEY **LISETTE** 🌱

**CHARACTERISTICS:** Selection of the curly parsley type, finely curled with a fresh green colour. Very fast development. Lisette shows very good results in over-wintering. Low bolting tendency, ideal for pot cultivation.

MIN QTY: 50 g ITEM NO.: 047022NS  
1 kg ITEM NO.: 047022FS

P.13

BASIL **HELIOS** 🌱

**CHARACTERISTICS:** Fine-leaved lemon basil, combines the basil and lemon aroma in one variety. Fast-growing.

MIN QTY: 10 g ITEM NO.: 058258NS

P.17

PARSLEY **LION (HI 15312)** 🌱

**CHARACTERISTICS:** Good durability in the field; ideal combination of large leaf and compact, very stable, upright stems. HR: Pp; IR: Sp. Resistance to downy mildew and Septoria.

MIN QTY: 50 g ITEM NO.: 047043NS  
1 kg ITEM NO.: 047043FS



# Herb young plants

GRAINES VOLTZ DEUTSCHLAND is an importer of HISHTIL young plants in Germany and Austria. We set great store by quick, direct delivery. We generally work with our own carrier or with competent parcel delivery services. In general, we supply seedlings and plug plants for conventional production throughout the year. Permanent quality controls and state-of-the-art, certified production facilities in Israel ensure successful cultivation right from the start. You can find a full list of our complete range on the next page.

## 02



### SPECIALITIES

#### FOR FIELD PLANTING:

- Artemisia drac. 'French Tarragon'
- Lavandula angustifolia 'Hidcote Blue'
- Lavandula angustifolia 'Munstead Hishtil's Strain'
- Lavandula Vera
- Mentha spicata
- Mentha spicata 'Moroccan'
- Mentha spicata 'Spanish'
- Origanum vulgare
- Rosmarinus officinalis 'Barbecue'
- Rosmarinus officinalis Upright
- Salvia officinalis hybrida, # 4'
- Thymus vulgaris

# Range - Conventional Herbs

- Allium schoenoprasum 'Prado'  
 Allium tuberosum  
 Anethum graveolens  
 Anthriscus cerefolium  
 Artemisia arborescens  
 Artemisia arbotanum 'Cola Plant'  
 Artemisia drac. 'French Tarragon'  
 Artemisia drac. 'Tolergon'™  
 Capsicum 'Big Devil'  
 Chamaemelum nobile 'Flore Pleno' (Double)  
 Chamaemelum nobile 'Treneague'  
 Coriandrum Santo  
 Coriandrum sativum  
 Cymbopogon citratus  
 Eruca sativum  
 Galium odoratum  
 Gynostemma pentaphyllum 'GrowFlow™'  
 (Jiaogolan)  
 Helichrysum angustifolia 'Tall Curry'  
 Helichrysum italicum 'Dwarf'  
 Hesperozygis x satureja 'Durabello™' 'Midnight Mojito'  
 Laurus nobilis 'Durabello™'  
 Lavandula allardii 'Meerlo'  
 Lavandula angustifolia 'Durabello™' 'BeeZee™' 'Dark Blue'  
 Lavandula angustifolia 'Durabello™' 'BeeZee™' 'Pink'  
 Lavandula angustifolia 'Durabello™' 'BeeZee™' 'Power Blue'  
 Lavandula angustifolia 'Durabello™' 'BeeZee™' 'White'  
 Lavandula angustifolia 'Dwarf Blue'  
 Lavandula angustifolia 'Forever Blue'  
 Lavandula angustifolia 'Havanna'  
 Lavandula angustifolia 'Hidcote Blue'  
 Lavandula angustifolia 'Imperial Gem'  
 Lavandula angustifolia 'Little Lady'  
 Lavandula angustifolia 'Melissa Lilac'  
 Lavandula angustifolia 'Munstead Hishtil's Strain'  
 Lavandula angustifolia 'Durabello™' 'Platinum Blonde'  
 Lavandula angustifolia 'Rosea'  
 Lavandula angustifolia 'Thumbelina Leigh'  
 Lavandula angustifolia 'Twickle Purple'  
 Lavandula canariensis  
 Lavandula intermedia 'Edelweiss'  
 Lavandula intermedia 'Grosso'  
 Lavandula intermedia 'Provence'  
 Lavandula pinnata  
 Lavandula stoechas 'Kew Red'  
 Lavandula stoechas Madrid 'Bee Brilliant'  
 Lavandula stoechas New Madrid 'Purple'  
 Lavandula stoechas New Madrid 'Rose'  
 Lavandula stoechas 'Pedunculata'  
 Lavandula Vera  
 Lavandula x chaytoriae 'Silver Sands'  
 Lavandula x intermedia 'Phenomenal'  
 Levisticum officinale  
 Lippia citriodora  
 Lippia citriodora Golden Wind  
 Lippia citriodora 'Goliath'  
 Lippia dulcis 'GrowFlow™'  
 Majorana syriaca 'Durabello™'  
 Marjorana hortensis  
 Melissa officinalis  
 Mentha arvensis 'GrowFlow™ Banana'  
 Mentha 'Curly'  
 Mentha 'Jessica's Sweet Pear'  
 Mentha x piperita f. citrata Lime  
 Mentha spicata  
 Mentha spicata 'Ingauno'  
 Mentha spicata 'Kentucky Colonel'  
 Mentha spicata 'Moroccan'  
 Mentha spicata 'Spanish'  
 Mentha spp 'Blackcurrant'  
 Mentha spp. 'Berries and Cream'  
 Mentha spp. 'Hillary's Sweet Lemon'  
 Mentha suaveolens 'Apple Mint'  
 Mentha suaveolens 'Variegata' (Pineapple)  
 Mentha 'Thai'  
 Mentha x gracilis 'Ginger'  
 Mentha x piperita  
 Mentha x piperita 'After Eight'  
 Mentha x piperita citrata 'Eau De Cologne'  
 Mentha x piperita f. citrata 'Basil'  
 Mentha x piperita f. citrata 'Chocolate'  
 Mentha x piperita f. citrata 'Grapefruit'  
 Mentha x piperita f. citrata 'Orange'  
 Mentha x piperita 'Strawberry'  
 Mentha x piperita 'Swiss'  
 Mentha x piperita Upright  
 Mentha x villosa 'Cubanito'  
 Ocimum 'Basil Tree'  
 Ocimum basilicum D-fenceil  
 Ocimum basilicum 'Coldasil™'  
 Ocimum basilicum herbalea 'Ajaka'  
 Ocimum basilicum herbalea 'Red Ball'  
 Ocimum basilicum herbalea 'Wild Magic'  
 Ocimum basilicum 'Magic Mountain™'  
 Ocimum basilicum 'Magic White'  
 Ocimum basilicum 'Pesto Perpetuo'  
 Ocimum basilicum 'Sweet'  
 Ocimum minimum 'El Greco- Bonsai' Grafted  
 Oregano majorana 'Durabello™'  
 Origanum Supreme  
 Origanum vulgare  
 Origanum vulgare 'Aureum Gold'  
 Origanum vulgare 'Aureum Green'  
 Origanum vulgare 'Aureum Variegata'  
 Origanum vulgare 'Compactum'  
 Origanum vulgare 'Hot And Spicy'  
 Persicaria odorata 'GrowFlow™' (Vietnamese Coriander)  
 Petroselinum Crispum 'Aphrodite'  
 Petroselinum hortense  
 Petroselinum 'Lisette'  
 Rosmarinus officinalis 'Abraxas'  
 Rosmarinus officinalis 'Barbecue'  
 Rosmarinus officinalis 'Blue Lagoon'  
 Rosmarinus officinalis 'Boule'  
 Rosmarinus officinalis 'Foxtail'  
 Rosmarinus officinalis 'Green Ginger'  
 Rosmarinus officinalis 'GrowFlow™ Haifa'  
 Rosmarinus officinalis 'Hishtil Perigord'  
 Rosmarinus officinalis 'Ingauno'  
 Rosmarinus officinalis 'Miss Jessopp's Upright'  
 Rosmarinus officinalis 'Speedy'  
 Rosmarinus officinalis 'Tuscan Blue'  
 Rosmarinus officinalis Upright  
 Rungia klossii  
 Ruta graveolens  
 Salicornia europaea  
 Salvia elegans 'Honey Melon'  
 Salvia elegans 'Scarlet Pineapple'  
 Salvia elegans 'Scarlet Tangerine'  
 Salvia farinacea 'Rhea'  
 Salvia 'Durabello™' 'Maxima'  
 Salvia officinalis 'Berggarten Variegated'  
 Salvia officinalis 'Grower's Friend'  
 Salvia officinalis hybrida, # 4'  
 Salvia officinalis hybrida 'Nazareth'  
 Salvia officinalis 'Icterina (Bicolor)'  
 Salvia officinalis 'Purpurascens'  
 Salvia officinalis 'Tricolor'  
 Santolina chamaecyparissus  
 Santolina viridis  
 Santolina viridis 'Lemon Fizz'  
 Satureja douglasii 'GrowFlow™ Indian Mint'  
 Satureja hortensis  
 Satureja montana  
 Scabiosa incisa 'Kudo'  
 Scaevola aemula 'Brilliant'  
 Scaevola aemula 'Saphira'  
 Scaevola aemula 'Topaz Imp.'  
 Stevia rebaudiana  
 Stevia rebaudiana 'Sugar Love'  
 Tagetes lucida '4 Seasons Tarragon'  
 Thymus 'Caborn Wine and Roses'  
 Thymus citriodorus  
 Thymus citriodorus 'Doone Valley'  
 Thymus citriodorus 'Fragrantisimus Orange'  
 Thymus citriodorus 'GrowFlow™ Lemonade'  
 Thymus citriodorus 'Durabello™' 'Prostrate'  
 Thymus citriodorus 'Silver King'  
 Thymus citriodorus 'Silver Queen'  
 Thymus citriodorus 'Variegated'  
 Thymus herba-barona 'GrowFlow™'  
 Thymus pseudoanuginosus 'Wooly'  
 Thymus pulegioides 'Archers Gold'  
 Thymus pulegioides 'Foxley'  
 Thymus pulegioides 'Tabor'  
 Thymus serpyllum 'GrowFlow™ Pink Magic'  
 Thymus serpyllum 'Pink Chintz'  
 Thymus serpyllum 'Snowdrift'  
 Thymus spp. 'Creeping Red'  
 Thymus spp. 'Rose'  
 Thymus Spp. 'Ruby Glow'  
 Thymus Spp. 'Sparkling Bright™'™  
 Thymus vulgaris  
 Thymus vulgaris 'Compactus'  
 Thymus vulgaris 'Durabello™' 'Faustinoi'  
 Thymus vulgaris 'Gold'  
 Thymus vulgaris 'Silver Posie'



# Microgreens

Microgreens are also known as a year-round superfood. They contain a high concentration of vitamins, minerals and enzymes which is many times higher in these young plants than in prepared vegetables. A real vitamin concentrate!





During the germination process, the water content increases. The starches contained in the shoots are turned into glucose and fructose. Shoots help strengthen the immune system.

The high number of anti-oxidants can slow down the ageing process. Sprouts and microgreens are low in fat and are therefore recommended for those who prefer a reduced-calorie diet. For the production of sprouts, it is recommended that organic seeds are used. The best known microgreen is cress, which, like all fast-growing types, is cultivated under light.

## 03



# Microgreens

Species	Development time (days)	Thousand seed weight in g	Stem colour	Characteristics	Seed leaf colour	Min Qty	Product type	Item no.
<b>AMARANTH</b>	-	0.4	Tricolour	Mild, delicately bitter and slightly sweet aroma, especially suitable with salad and as a garnish.	Dark red	250 g	Untreated	06000INS
<b>BORAGE</b>	15-18	20	Green	The leaves are an intense green and may be slightly hairy. They are juicy and have a cucumber-like taste.	Green	500 g	Untreated	060004NS
<b>BROCCOLI</b>	7-10	3-4	White	The shoots have quite a strong, spicy taste; especially delicious with salads, starters, meat and cheese.	Light green	500 g	Organic 	060005BS
<b>CORIANDER</b>	15-18	5	Green	Fresh, mild taste of coriander, less bitter when mature.	Green	1 kg	Organic 	060009BS
<b>CRESS</b>	6-10	2.5-3	White	Rich in vitamins and minerals, a little spicy, suitable with salads, sauces and spreads.	Intense green	1 kg	Organic 	060010BS
<b>DAIKON RADISH (MOOLI)</b>	7-11	10	White	Daikon radish (mooli) shoots have a high concentration of vitamins and minerals.	Green-yellow	1 kg	Organic 	060020BS
<b>DILL</b>	15-18	1-2	Green	A fresh, delicate anise taste.	Green	1 kg	Untreated	060002NS
<b>GREEN MIZUNA</b>	8-12	2-3	Green	Beautifully tender and spicy green leaves!	Green	500 g	Organic 	060014BS
<b>KALE CABBAGE</b>	6-11	2-3	Green	One of the most nutritious varieties, with a delicate cabbage flavour.	Green	500 g	Organic 	060008BS
<b>KOMATSUNA (JAPANESE MUSTARD SPINACH)</b>	5-14	1-2	Red	Beautiful red colour, rounded taste and crisp texture.	Red	1 kg	Untreated	060011NS
<b>LOVAGE</b>	10-12	2-3	Green	Surprising celery taste, also known as 'Maggi herb'.	Green	500 g	Untreated	060012NS
<b>NASTURTIUM</b>	15	120	Pink	Taste of pepper, mustard and even wasabi.	Green	500 g	Organic 	060006BS
<b>PEAS</b>	4-5	200	Light green	Pea shoots should be steamed or fried with pasta, risotto or polenta.	Green	1 kg	Organic 	060018BS
<b>RED BEET</b>	14-20	16-20	Red	Tasty with salads and appetisers, also suitable for mixed vegetable drinks.	Green-red	500 g	Organic 	060028BS
<b>RED CABBAGE</b>	7-13	3-4	Red to intense purple.	Taste similar to ripe cabbage with a peppery note.	Red	1 kg	Untreated	060007NS
<b>RED MIZUNA</b>	10-12	1	Green	Red shoots with green stem and red leaves, tangy and spicy taste.	Red	500 g	Organic 	060015BS
<b>ROCKET</b>	5-6	2	White	Rocket shoots are particularly spicy and are used with salads and pasta dishes.	Green-yellow	500 g	Organic 	060022BS
<b>SUNFLOWERS</b>	7-10	65	Green	Fresh and crisp with a slightly nutty taste.	Green	1 kg	Organic 	060023BS
<b>SORREL</b>	17-25	1-2	Red	Beautiful green leaves with red veins.	Green with red veins	50 g	Organic 	060024BS
<b>SWEET CORN</b>	12-14	180	Green	Beautiful golden leaves with an interesting, sweet taste.	Light green	500 g	Untreated	060013NS
<b>WHITE MUSTARD</b>	7-11	6-7	White	Rich in proteins and carbohydrates, used with vegetables, salads and fresh cheese.	Green-yellow	1 kg	Organic 	060016BS

## WHAT ARE MICROGREENS?

This is the second germination stage of the seed, which is between 7 and 21 days. In the first stage of the germinated seed (0-7 days), only the root develops. From the 7th day onwards, the leaves begin to grow. Depending on the species, the microshoots are cut either at the seed-leaf stage or at the stage of the first true leaves. The seeds are not consumed.



## Important information

The seeds we sell are specially designed for the cultivation of microgreens and are tested bacteriologically. We stress that they are totally unsuitable for human consumption.

# Legumes

Beans, peas, broad beans... Legumes are increasingly in demand as a substitute for meat protein. We offer you the best current genetics in all varieties, fresh or dry.

## 04





# Broad bean

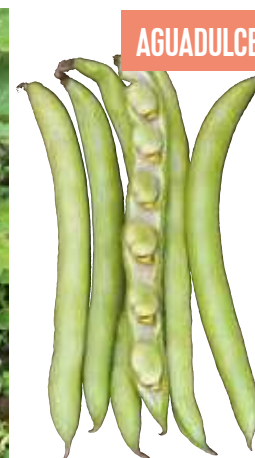
*Vicia faba L. partim*

**Sowing:**  
December to April

**Seed requirements:**  
450-500 kg/ha  
300,000 to 400,000 seeds/ha

**Planting density:**  
8 to 10 x 40 to 60 cm

**Fertilisation (u/ha):**  
N = 250 P = 70 K = 160



Varieties	Seed sowing calendar	Pod		Characteristics	Min Qty	Product type	Item no.																								
		Length	No. of seeds																												
<b>AGUADULCE</b>	<table border="1"> <tr><td>J</td><td>F</td><td>M</td><td>A</td><td>M</td><td>J</td><td>J</td><td>S</td><td>O</td><td>N</td><td>D</td></tr> <tr><td></td><td></td><td></td><td>■</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>	J	F	M	A	M	J	J	S	O	N	D				■								30cm	7-8	Vigorous, high-yield variety, long pods, very early, suitable for the fresh food market. Broad bean with large, greenish seeds which ripen to red-brown. Medium-early variety with long, green pods and white flowers.	1 kg	Untreated	032504NS		
J	F	M	A	M	J	J	S	O	N	D																					
			■																												
<b>MAJOR</b> 🍀	<table border="1"> <tr><td>J</td><td>F</td><td>M</td><td>A</td><td>M</td><td>J</td><td>J</td><td>A</td><td>S</td><td>O</td><td>N</td><td>D</td></tr> <tr><td></td><td></td><td></td><td></td><td>■</td><td>■</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>	J	F	M	A	M	J	J	A	S	O	N	D					■	■							19 cm	5-6	Early, reliable variety; turns brown when cooked.	1 kg	Untreated	032551NS
J	F	M	A	M	J	J	A	S	O	N	D																				
				■	■																										
					5 kg	Treated	032551FS																								
<b>VROMA</b> 🍀	<table border="1"> <tr><td>J</td><td>F</td><td>M</td><td>A</td><td>M</td><td>J</td><td>J</td><td>A</td><td>S</td><td>O</td><td>N</td><td>D</td></tr> <tr><td></td><td></td><td>■</td><td>■</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>	J	F	M	A	M	J	J	A	S	O	N	D			■	■									19 cm	5-6	Very early variety of the 'early white-seeded' type, turn brown when cooked; suitable for single harvest; ideally suited to fresh food market.	250 g	Untreated	032510NS
J	F	M	A	M	J	J	A	S	O	N	D																				
		■	■																												
					1 kg	Treated	032510FS																								

# Bean climbing

*Phaseolus vulgaris L.*



**GREEN GLORY** 🌱  
Easy to harvest

**Sowing:**  
**Greenhouse** Mid February - end of July

**Outdoors** Mid April - beginning of July

**Seed requirements:**  
Climbing bean: 1,000 - 1,200 grains per 100 m<sup>2</sup>

**Germination:**  
6-10 days



**Planting density:**  
800 - 1,200 plants per 100m<sup>2</sup>

**Fertilisation (u/ha):**  
**N** = 80-120 **P** = 50-80 **K** = 120-160



**SACHA** 🌱



**TAMARA** 🌱



**EVA** 🌱

Varieties	Pod shape	Pod			Characteristics	Resistances	Min Qty	Product type	Item no.
		Length (cm)	Pod width (mm)	Colour					
<b>GREEN GLORY</b> 🌱	Flat	22-27	20-23	Dark green	Green, straight, flat pods for the fresh food market. Robust, open plant growth, making harvesting easier. Uniform quality in the pods right up to the end of the cultivation period.	HR: CI	250 seeds	Untreated	033263NG
<b>HELDA</b>	Flat	24-26	20-23	Medium green	Early to mid-early, wide-podded bean. Ideally suited for the whole outdoor growing season. Characterised by high, secure yields even in adverse conditions. Long harvesting window.	HR: BCMV, BYMV	250 seeds	Untreated	033234NG
<b>SACHA</b> 🌱	Flat	24-26	21-23	Medium green	Medium growth combined with high quality and yields in good light conditions. Early maturing and good early yield in spring and summer cultivation. Flat, fleshy pods with low tendency to bean marking.	HR: BCMV	250 seeds	Untreated	033273NG
<b>GOLDMARIE</b> 🌱	Flat	22-24	18-20	Deep yellow	Deep yellow, long, wide, straight pods; good, delicate flavour; early yields and vigorous.	HR: BCMV	250 seeds	Untreated	033262NG
<b>EVA</b> 🌱	Oval	26-28	18	Dark green	Variety with very high early yield, ideally suited for under glass and early outdoor cultivation as well as late cultivation due to its very open growth; easy to harvest, very straight, dark green pods with late seed marking.	HR: BCMV	250 g	Untreated	033186NS



NECKARKÖNIGIN 🍀



MATILDA 🍀



NECKARGOLD



BLAUHILDE

Varieties	Pod shape	Pod			Characteristics	Resistances	Min Qty	Product type	Item no.
		Length (cm)	Pod width (mm)	Colour					
TAMARA 🍀	Oval	28	17	Dark green	Medium-late, very reliable variety for the whole outdoor production season, very productive. Robust against rust, therefore especially suitable for late cultivation outdoors. Dark, healthy foliage. Secure yields even in unfavourable weather conditions.	HR: BCMV, CI	250 g	Untreated	033274NS
NECKARKÖNIGIN 🍀	Round	27-28	14	Dark green	Round pod variety for fresh food market and preservation. Neckar Queen is a reliable and proven variety, even in adverse conditions.	HR: BCMV	250 g	Untreated	033012NS
MATILDA 🍀	Round	15-18	7-9	Dark green	Round pods, very fine grade, stringless variety with late seed marking. Very vigorous with high yields, excellent flavour.	HR: BCMV	250 seeds	Untreated	033204NG
COBRA	Round	16-18	7-9	Medium green	Early, high-yield variety for outdoor and greenhouse cultivation; uniform pods.	HR: BCMV, CI	1,000 seeds	Untreated	033082NG
NECKARGOLD	Round	23-25	13	Deep yellow	Especially high yields of long, round, deep yellow pods; reliable variety.	-	250 g	Untreated	033181NS
BLAUHILDE	Round	24-26	13	Purple	Vigorously growing, purple flowering climbing bean with very high yield. The pods are long, round-oval and turn green when cooked.	HR: BCMV	250 g	Untreated	033013NS

# Runner bean

*Phaseolus coccineus L.*



Varieties	Pod shape	Pod			Characteristics	Resistances	Min Qty	Product type	Item no.
		Length (cm)	Pod width (mm)	Colour					
AWARD WINNER	Round	25-30	18-20	Green	Red flowering; very long, fleshy pods, high growth, very high-yield; speckled black purple-red seeds.	-	250 g	Untreated	033297NS

# Dwarf French bean

*Phaseolus vulgaris* L.

## Sowing:

Mid April - beginning of July

## Seed requirements:

Dwarf French bean / green bean: 3,000 - 3,500 grains per 100 m<sup>2</sup>  
Shelling beans: 2,500 - 3,000 grains per 100 m<sup>2</sup>

## Germination:

6-10 days



## Planting density:

800 - 1,200 plants per 100m<sup>2</sup>

## Fertilisation (u /ha):

**N** = 80-120 **P** = 50-80 **K** = 120-160

## For seed harvesting

### Borlotto/purple



### Kidney bean



### PREPELICAR TOMACEVSKI\*\*



### Yellow



## For seed harvesting

Varieties	Seed colour	Average development time (days)	Calibre (mm)	Length (cm)	Colour	Characteristics	Resistances	Min Qty	Product type	Item no.
<b>Borlotto/purple</b>										
<b>BORLOROSSO</b>		80	15-16	6-7	Speckled red and white	Attractive addition to the range for Mediterranean cuisine. Plant height: high.	HR: BCMV	250 g	Untreated	033286NS
<b>Kidney bean</b>										
<b>PREPELICAR TOMACEVSKI**</b>		55-60		15-20	Speckled brown	Traditional Slovenian variety, can be used green as pods or as dried beans.	-	500 seeds	Untreated	033256NG
<b>CANADIAN WONDER</b>		105-110		13-14	Green	Ideal for chili con carne. Straight, green pod. Plant height: high.	-	1 kg	Untreated	033209NS

## Round yellow dwarf French bean

Varieties	Average development time (days)	Calibre (mm)	Length (cm)	Colour	Characteristics	Resistances	Min Qty	Product type	Item no.
<b>SOLEDORO</b>	73	8-9	11-13	Dark yellow	Optimal for mechanical harvesting, stable but vigorous growth, secure even in hot conditions, consistent high quality over the whole year. Plant height: medium.	HR: BCMV, Cl, Psp 1-2	1,000 seeds	Untreated	H33293NG
<b>ROCDOR</b>	70-75	8-10	15-17	Intense yellow	Intense yellow bean for the fresh food market; very fleshy, straight pods: very good germination even with early sowing.	HR: BCMV, Cl	250 g	Untreated	H33053NS

\*\*Variety included in List d

## Round green dwarf French bean (fine green bean) - extra fine to fine

CALIMA 

MAXI



SPEEDY



SOLIMAN



NEW






CERDON

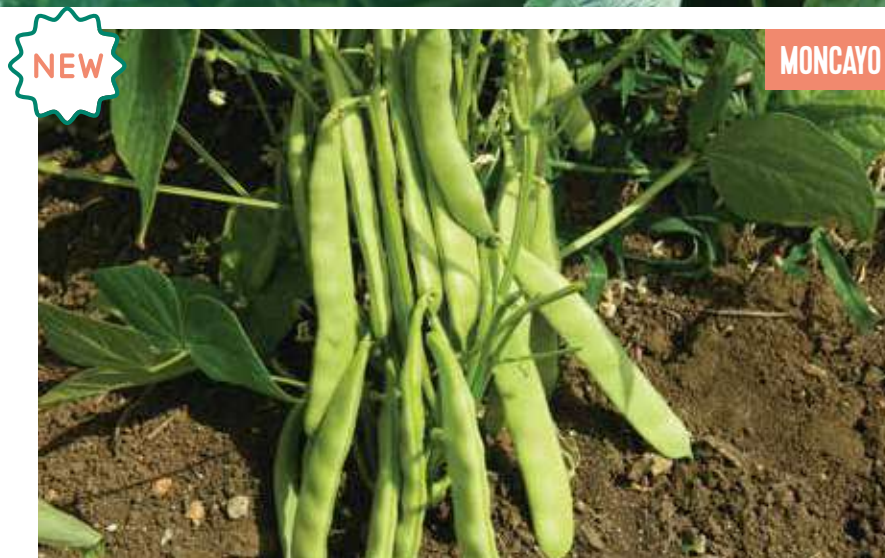


NEW

ESCADRON

ELMORO 

Varieties	Average development time (days)	Pod			Characteristics	Resistances	Min Qty	Product type	Item no.
		Calibre (mm)	Length (cm)	Colour					
SOLIMAN	55-60	7-8	16-18	Intense green	Very early. Very fleshy and straight pods. Multiple harvesting possible.	HR: BCMV, CI	5,000 seeds	Treated	033117FG
CALIMA 	55-60	7-8	18-20	Dark green	Early, long-podded filet bean, round, dark green. Plant growth strong, upright. Fine, uniform variety. Seed colour: dark brown, marbled.	HR: BCMV, CI	250 g	Untreated	033277NS
ELMORO 	55-60	7-8	18-22	Intense green	Early variety. Robust plant with upright growth. Good heat tolerance, uniform yield. Remarkable flavour (stringless and no seed marking). Behaves well after harvesting.	HR: BCMV IR: CI	5,000 seeds	Untreated	033252NG
SPEEDY	58	9-10	13-14	Fresh green	Earliest selection. Specially selected for sowing under fleece/foil and early outdoors without cover, as well as for late sowing. Fresh green, round pods. Suitable for fresh food market and industry.	HR: BCMV, CI	1,000 seeds 100,000 seeds	Untreated Treated	H33189NG H33189FG
 ESCADRON	59	8-9	11.7	Dark green	Early variety with very uniform ripening; very compact plant with good stability. Optimal for mechanical harvesting.	HR: BCMV, Psp 1-2, C	100,000 seeds	Treated	H33302FG
OUTLAW	60	9-10.5	14-16	Dark green	Very early bean for the fresh food market with good yields. Plant height: medium.	HR: BCMV	1,000 seeds	Untreated	H33291NG
 CERDON	61	6.5-10.5	12	Light green	Reliable and tried and tested standard variety, very high yields.	HR: BCMV, Psp 1-2, CI	100,000 seeds	Treated	H33301FG
 BARCINO (GV 33246)	62	9-10	12-14	Intense green, shiny	Vigorous plant; loose growth shape. Short and even bean. Fleshy and thick bean. For mechanical and manual harvesting.	HR: BCMV, CI;	1,000 seeds	Untreated	033298NG
KUNDURA	64	8-10	12	Medium green	Successor variety to Bartava, improved uniformity, easy to harvest compared to other varieties, fast ripening, plant height: 40 cm. Use: Fresh food market and industry.	HR: BCMV, CI:55	1,000 seeds	Untreated	H33290NG
PALOMA	65	9-10	11-12	Dark green	Early, dark green dwarf French bean for all growing seasons. Very productive and uniform, even in difficult growing conditions. For the fresh food market and industry.	HR: BCMV, CI, Psp	1,000 seeds 100,000 seeds	Untreated Treated	H33281NG H33281FG



Varieties	Average development time (days)	Pod			Colour	Characteristics	Resistances	Min Qty	Product type	Item no.
		Calibre (mm)	Length (cm)							
<b>PRIMEL</b>	65-70	7-9	17	Intense green	The pods are often carried above the leaves, making harvesting easier. Fine, aromatic taste.	HR: BCMV, Cl	250 g	Untreated	H33046NS	
<b>MAXI</b>	65-70	8-10	18-20	Medium green	Upright growth with round pods hanging over the leaves (in clusters) that are easy to pick. Maxi is very early and high-yield. Seed colour: light beige.	-	250 g	Untreated	033007NS	
<b>MAJA</b> 🍀	65-70	9-10	18-20	Medium green	The advantage of this variety is early ripening for picking and very long, round pods. High yields.	-	250 g	Untreated	033279NS	
<b>PONGO</b>	65-70	7-8	18-22	Intense green	Upright plants. Leaves have good heat-resistance. Behaves well during handling. Looks good at point of sale.	HR: BCMV, Cl	5,000 seeds	Untreated	033011NG	
<b>FRESANO</b>	66	6-8	12-13	Medium to dark green	Straight, fine, medium to dark green beans. Concentrated pod base. Robust plant with high yields. Suitable for the fresh food market and industry.	HR: BCMV, Cl, Psp	10,000 seeds	Treated	H33278FG	
<b>NAGANO</b>	66	8-9	12-13	Dark green	Medium-early, dark green variety with much later seed marking. Very uniform variety. Suitable for the fresh food market and industry.	HR: BCMV, Cl, Psp	100,000 seeds	Treated	H33280FG	
<b>TIMGAD</b>	71	8-10.5	12-13	Dark green	Medium-fine high-yield variety for a wide range of growing conditions; forms a stable bush that is also secure in heat; very good for mechanical harvesting. Plant height: medium.	HR: BCMV, CLI, Psp 1-2	1,000 seeds	Untreated	H33295NG	
<b>STANLEY</b>	75-80	9-10.5	12-13	Medium green	Medium fine bean with good heat tolerance; long harvest window, good durability, mainly fresh food market cultivation.	HR: BCMV, CLI, Psp 1-2	1,000 seeds	Untreated	033294NG	
<b>CARTAGENA</b>	77	6-9	11-12	Shiny / Dark green	Heat tolerant, stable plant structure, year-round cultivation, high yields; drought-resistant. Plant height: medium.	HR: CLI, Psp 1-2; IR: BCMV	1,000 seeds	Untreated	H33287NG	

### Flat dwarf French bean

Variety	Average development time (days)	Pod			Colour	Characteristics	Resistances	Min Qty	Product type	Item no.
		Calibre (mm)	Length (cm)							
<b>MONCAYO</b>	62		14	Green	Flat podded medium-late variety, very stable with uniform pods.	-	1,000 seeds	Treated	H33038FG	



# Garden pea

*Pisum sativum L.*

**Sowing:**  
November to June

**Seed requirements:**  
80 to 120 kg per hectare or 0.5 to 500 to 700,000 seeds per hectare  
3-6 seeds per g

**Germination:**  
6-10 days



**Planting density:**  
Intermediate rows of 50-70 cm  
35-40 seeds per linear metre



Varieties	Plant height (cm)	Pod colour	Characteristics	Min Qty	Product type	Item no.
KARINA	55-60	Green	Dark green, high-yield garden pea; standard variety for early sowing. The plants are very stable and easy to harvest from.	1 kg	Untreated	053022NS
PROGRESS NO. 9	60	Green	Compact plant with bright green pods and very large sugar-sweet seeds.	250 g	Untreated	H53049NS
VADA	70-80	Green	Perfect variety for the fresh food market. The vibrant, dark green plant carries long, thick, well-filled pods with seeds of uniform colour. The pod base concentrated at the end of the stems allows easy picking; medium-early, very high-yield.	25,000 seeds	Treated Untreated	H53062FG H53062NG
MAXIGOLT	80-90	Green	Large podded, medium-late, sweet variety; for the fresh food market and frozen food industry.	250 g	Untreated	H53208NS

# Snap pea

*Pisum sativum L.*

**Sowing:**  
November to June



**Seed requirements:**  
80 to 120 kg per hectare or 0.5 to 500 to 700,000 seeds per hectare  
3-6 seeds per g

**Planting density:**  
Intermediate rows of 50-70 cm  
35-40 seeds per linear metre

**Germination:**  
6-10 days



Variety	Harvest maturity	Plant height (cm)	Pod		Characteristics	Min Qty	Product type	Item no.
			Shape	Colour				
KLEINE RHEINLÄNDERIN	Very early	40-50	Flat - oval	Dark green	Early, very high-yield variety with beautiful dark green pods, low-growing.	250 g	Untreated	053209NS

# Sugar pea

*Pisum sativum L.*

**Sowing:**  
November to June

**Planting density:**  
Intermediate rows of 50-70 cm  
35-40 seeds per linear metre

**Seed requirements:**  
80 to 120 kg per hectare or 0.5 to 500  
to 700,000 seeds per hectare  
3-6 seeds per g

**Germination:**  
6-10 days



## Climbing sugar pea



**SWEET HORIZON**

## Dwarf sugar pea



**DELIKATA**



**NORLI**

Varieties	Plant height (cm)	Pod		Characteristics	Resistances	Min Qty	Product type	Item no.	
		Colour	Length						Width
<b>Climbing sugar pea</b>									
<b>SWEET HORIZON</b>	120	Dark green	10 cm	2 cm	Almost stringless, very easy to harvest. Medium-early to late.	HR: Ep, Fop	1 kg	Untreated	05303ONS
<b>Dwarf sugar pea</b>									
<b>NORLI</b>	50	Intense green	8 cm	1.5 cm	Very early, medium green variety, vigorous growth, stable, velvet-free pods; very sweet.	-	1 kg	Untreated	053038NS
<b>DELIKATA</b>	75-90	Intense green	9 cm	1.5 cm	Long pods. Very high yield. Excellent taste. Resistant to Fusarium (variety I) and tolerant to powdery mildew.	HR: Ep, Fop	1 kg	Treated	053019FS
<b>NEW</b> <b>SNOW MAX</b>	60-70	Intense green	10 cm	2.5 cm	Produces large quantities of long, sweet, flat, edible pods. The almost stringless, intense green pods are crisp, but tender. Very stable and easy to harvest.	HR: PV IR: Ep, Fop: I	1,000 seeds	Treated	H53212FG



# Fruit vegetables

From eggplants to tomatoes, zucchinis or melons... For each species of fruit vegetable, we select the best genetics. Discover our wide range, tailored to your needs.

## 05



HERBS

HERB PLANTS

MICROGREENS

LEGUMES

FRUIT VEGETABLES

CRUCIFEROUS VEGETABLES

LEAF VEGETABLES

ROOT VEGETABLES

SWEET POTATO PLANTS

SWEET CORN

BULB VEGETABLES

BULB VEG. SEEDLINGS

PRODUCT RANGE EXPANSION

# Artichoke

*Cynara scolymus. L.*

**Sowing:**  
February to March

**Seed requirements**  
1,400 seeds for 1,000 plants  
TKG = 30-45 g

**Pre-cultivation:**  
7 to 10 weeks

**Germination:**  
10-18 days



**Planting density:**  
10,000 to 12,000/ha depending  
on type  
60 to 100 x 150 to 160 cm

**Fertilisation (u/ha):**  
N = 200 P = 100 K = 300

## Green artichoke



IMPERIAL STAR



MADRIGAL F1



SAMBO F1

## Purple artichoke



OLYMPUS F1



OPERA F1

Varieties	Weight (g)	Characteristics	Min Qty	Product type	Item no.
<b>Green artichoke</b>					
IMPERIAL STAR	300-400	Can be harvested from the first year. Spherical buds give a very nice appearance.	50 seeds	Untreated	001312NG
MADRIGAL F1	300-400	Very large, green, round buds for gourmet vegetables. Uniform plants with high yield potential. Medium-early forming of side buds.	50 seeds	Untreated	H01319NG
SAMBO F1	300-500	Very vigorous plant; flat, spherical flower buds that are a beautiful, attractive green colour.	50 seeds	Untreated	H01320NG
<b>Purple artichoke</b>					
OLYMPUS F1	250-300	Hybrid variety of 'Violet de Provence' type; very uniform. Very high yield.	50 seeds	Untreated	001316NG
OPERA F1	300-400	Very uniform, early variety with purple buds. Suitable for the production of high-quality artichokes and flower production. Wide bud base; tight, upright growth.	50 seeds	Untreated	H01322NG

# Cardoon

*Cynara cardunculus L.*

**Sowing:**  
Mid-April to June  
Direct sowing after 10 May reduces risk of bolting

**Seed requirements:**  
80 g for 1,000 plants  
or in tufts with 3 to 5 seeds for 2 plants  
5 seeds/g

**Pre-cultivation:**  
7 - 10 weeks

**Germination:**  
10-18 days



**Planting density:**  
70-90 x 110-130 cm

**Fertilisation (u/ha):**  
N = 230-260 P = 120-160 K = 700-800 + trace elements

## BLANC AMÉLIORÉ



Variety	Characteristics	Min Qty	Product type	Item no.
BLANC AMÉLIORÉ	Thornless, fleshy ribs that blanch very easily. Good shelf life after harvesting.	50 g	Untreated	004002NS

# Cucumber

*Cucumis sativus L.*

**Sowing:**  
November - July

**Seed requirements:**  
50 g for 1,000 plants. 35 seeds/g

**Pre-cultivation:**  
2 - 4 weeks

**Germination:**  
4-8 days



**Planting density:**  
1.5 plants/m<sup>2</sup>  
Spacing 120-150 x 60-70 cm

**Fertilisation (u/ha):**  
Under glass:  
N = 400-600 P = 200-250 K = 700-900  
In the field:  
N = 200-300 P = 150-200 K = 500-600

**VERDON F1**



**BURPLESS TASTY GREEN F1**



**TEJO F1**



**PALLADIUM F1**



**FLAMINGO F1**



**VIGOREX F1**



## Armenian/serpent cucumber

Varieties	Use	Planting calendar	Length (cm)	Characteristics	Resistances	Min Qty	Product type	Item no.
<b>VERDON F1</b>	Λ	J F M A M J J A S O N D	30-35	Very good resistance to powdery mildew and CMV. Loose plant structure. Very high fruit quality.	IR: Px, CMV, CVYV	50 seeds	Untreated	H26088NG
<b>TEJO F1</b> 🍀	Λ	J F M A M J J A S O N D	30-35	A plant with small, dark green leaves, open growth, robust against spider mites and good tolerance of very hot conditions.	IR: CVYV, CYSDV, Px, Ccu	50 seeds	Untreated	O26134NG
<b>PALLADIUM F1</b> 🍀	Λ	J F M A M J J A S O N D	30-35	Plant with large yield potential even in hot conditions. Excellent, uniform, dark green fruits with good shelf life. Planting from end of March.	HR: Ccu, Cca IR: Px	50 seeds	Untreated	O26061NG
<b>FLAMINGO F1</b> 🍀	Λ	J F M A M J J A S O N D	30-35	Proven variety for year-round cultivation, suitable for substrate or soil cultivation, excellent regeneration capability and endurance, robust against Pythium.	HR: Ccu, Cca IR: Px	50 seeds	Untreated	O26015NG
<b>BRISBANE F1</b>	Λ	J F M A M J J A S O N D	30-32	Very generative plant, open plant structure, very early in production. Planting possible from February. Weight of fruit: 400-450 g. Growth: medium.	HR: CGMMV, CVYV, Ccu, IR: Px, CMV	50 seeds	Untreated	H26161NG
<b>VIGOREX F1</b>	Λ	J F M A M J J A S O N D	33	Also suitable for cold cultivation, good regeneration, also for heavy fruit. Growth: strong.	HR: Ccu, Cca; IR: Px	50 seeds	Untreated	H26178NG
<b>DARWIN F1 (565)</b>	Λ	J F M A M J J A S O N D	30-32	Cucumber for summer-/autumn cultivation in the professional sector; for growing in soil, but soilless is also possible; very open plant, generative development and tolerance against Mycosphaerella. Growth: medium-strong.	HR: Ccu, CVYV, Px, CGMMV, CMV	50 seeds	Untreated	H26167NG
<b>BURPLESS TASTY GREEN F1</b>	Λ	J F M A M J J A S O N D	20-24	Variety with long, slender fruit with dark green, spiny skin. Heat and moisture resistant.	IR: Px, PCU	100 seeds	Untreated	O26081NG

## Midi cucumber



MAXWELL F1



JOUNIA F1



IZMIR F1



PASKA F1

Varieties	Use	Planting calendar	Length (cm)	Characteristics	Resistances	Min Qty	Product type	Item no.
PASKA F1	Λ —	J F M A M J J A S O N D	25	Shiny dark green, slender fruit; early, heavy and long-lasting yield; problem-free cultivation under foil or outdoors with pre-cultivated plants.	HR: Ccu, Px IR: Pcu	50 seeds	Untreated	026049NG
MAXWELL F1	∩	J F M A M J J A S O N D	19-23	Parth. Beit Alpha type, dark green, high uniformity, 2 fruits per internode. Growth: medium-strong.	HR: Ccu IR: Px, Pcu	50 seeds	Untreated	H26172NG
JOUNIA F1	Λ ∩ —	J F M A M J J A S O N D	18-16	Early and very uniform growth, short-fruited type; the 16-18-cm long fruits are of very good quality; very good shelf-life after harvesting, suitable for year-round cultivation.	HR: Px, CMV IR: Ccu, CVYV, ZYMV	50 seeds	Untreated	026142NG
BETTANIS F1	Λ ∩	J F M A M J J A S O N D	18-20	Open plant structure; for greenhouse and outdoors cultivation; 1-2 fruits per internode, rich yield; successor variety to Rawa. Growth: strong.	HR: Pcu; IR: Px	50 seeds	Untreated	H26160NG
IZMIR F1	∩	J F M A M J J A S O N D	18-20	1-3 Fruits per node. Growth: strong.	IR: CVYV, Px, CMV	50 seeds	Untreated	H26169NG
SILOR F1	Λ ∩ —	J F M A M J J A S O N D	15-16	Dark green, uniform, slightly ribbed fruits. Suitable for cultivation from spring to autumn in greenhouse or foil tunnel; long harvesting window.	HR: Ccu IR: Px, CMV, CVYV	50 seeds	Untreated	026057NG

## Mini cucumber (snack)



PICOLINO F1



QUARTO F1



IZNIK F1

Varieties	Use	Planting calendar	Length (cm)	Characteristics	Resistances	Min Qty	Product type	Item no.
QUARTO F1	∩	J F M A M J J A S O N D	8-10	Finger-sized cucumbers, daily harvesting required; short internodes; planting mid-February to July. Growth: strong.	HR: Ccu, Px	50 seeds	Untreated	H26080NG
IZNIK F1	Λ ∩	J F M A M J J A S O N D	10	Fresh green, glossy, smooth snack cucumber with fruits approx. 10 cm long. Very early and high-yield, up to 5 fruits per leaf axil. For cultivation from spring to autumn in soil and substrate; ideal for container cultivation. Intense cucumber flavour.	HR: Ccu, Px	50 seeds	Untreated	026030NG
PICOLINO F1	Λ ∩	J F M A M J J A S O N D	10-12	Cocktail type, ideal for snacking. The plants produce 3 to 4 fruits per node.	HR: Cca, Ccu / IR: Px, CMV, CVYV	50 seeds	Untreated	H26006NG



AUDAX F1



DARINA F1



MONDEGO F1



SWING F1



SONJA

## Open field cucumber

Varieties	Use	Planting calendar	Length (cm)	Characteristics	Resistances	Min Qty	Product type	Item no.
CORINTO F1	∩ —	J F M A M J J A S O N D	18-20	Open, compact plant; shiny, spiky fruit with good shelf life. Type: Slicer.	IR: CVYV, Px, CMV	50 seeds	Untreated	H26164NG
DARINA F1	∩	J F M A M J J A S O N D	20-23	Very early; predominantly female flowers; very vigorous; treated only. Type: Mixed flowering.	HR: Ccu, CVYV / IR: Px, CMV	50 seeds	Untreated	H26166NG
MONDEGO F1	∧ ∩ —	J F M A M J J A S O N D	20-22	Medium-early; good flavour with firm, green flesh. Type: Slicer.	HR: Ccu IR: CVYV, Px, CMV	50 seeds	Untreated	026044NG
AUDAX F1	∧	J F M A M J J A S O N D	20-22	Spiky, dark green fruit, known for its flavour. Dark plant, prolific, few runners. Suitable for all areas. Very good yields.	HR: Ccu IR: CMV, CVYV, CYSDV, WMV, Px	50 seeds	Untreated	H26138NG
SWING F1	—	J F M A M J J A S O N D	20-25	Dark green, parthenocarpic variety; slightly shiny Lebanese cucumber with small core and large amount of pale flesh. The fruit are not bitter and are crisp, semi-robust against adverse weather conditions and diseases. Ideally suitable for under glass and outdoor cultivation.	HR: Ccu, Px	100 seeds	Untreated	026146NG
SONJA	—	J F M A M J J A S O N D	25	Few spines, dark green cold-box (Kastengurke) and outdoor cucumber for semi-professional cultivation.	-	10 g	Untreated	026046NS

## Peeling cucumber (mustard gherkin)

Variety	Use	Seed sowing calendar	Length (cm)	Characteristics	Min Qty	Product type	Item no.
TRAVITO	industry	J F M A M J J A S O N D	30-40	Large, fleshy fruits, particularly suitable for processing into sweet & sour mustard gherkins due to the solid flesh and small core. Type: Mixed flowering.	50 seeds	Untreated	H26176NG



TRAVITO

## Other varieties



LUNCHBOX F1



SOLANA



LEMON\*\*



Varieties	Use	Seed sowing calendar	Length (cm)	Characteristics	Min Qty	Product type	Item no.
<b>LUNCHBOX F1</b> (PATTINI)	Greenhouse	J F M A M J J A S O N D —	8 - 9	Snack cucumber, for hanging basket and balcony, compact growth, should be harvested daily, up to 3 fruits per node. Growth: compact.	50 seeds	Untreated	H2617ING
<b>SOLANA</b> 🍃 (MELOTHRIA SCABRA)	Open field, with trellis	J F M A M J J A S O N D —	4	Mexican cucumber, cultivated like gherkins – on the ground or on a trellis. Oval fruit from 2 to 3 cm Ø. Very unusual. Very high yield. Can be prepared like a pickling cucumber.	100 seeds	Untreated	O2607ONG
<b>LEMON**</b> (CUCUMIS SATIVUS L.)	Open field, with trellis	J F M A M J J A S O N D —	10-12	Also called 'lemon cucumber'. Authentic, mild flavour, unique appearance.	50 seeds	Untreated	O26117NG

## Cucumber - Rootstock

*Cucumis sativus L.*

SHINTOSA F1



ISABELLA F1

Varieties	Characteristics	Resistances	Min Qty	Product type	Item no.
<b>ISABELLA F1</b>	No silicon coating, yields 3 - 5 days earlier than standard varieties, good nematode tolerance.	IR: Fom 0,1,2,1.2 Fon 0,1,2 For Va	100 seeds	Untreated	H2618ONG
<b>SHINTOSA F1</b>	Rootstock for low soil temperatures and wilt disease.	-	100 seeds	Untreated	O2618ING

# Cucumber pickling

*Cucumis sativus L.*

**Sowing:**  
April to May in pots  
After 10th May direct sow outdoors

**Seed requirements:**  
40 seeds/g

**Pre-cultivation:**  
2-3 weeks

**Germination:**  
4-8 days



**Planting density:**  
40,000 to 50,000 plants/ha,  
i.e. 140-200 x 25-35 cm

**Fertilisation (u/ha):**  
**N** = 100-150 **P** = 150-200  
**K** = 300-400



**DIAMANT F1** 🍏



**MONOLIT F1**



**PROFI F1** 🍏



**BRUNO F1**



**OCTOPUS F1**



**ZIRCON F1**

Varieties	Flower type	Resistances	Length/Diameter ratio	Characteristics	Min Qty	Product type	Item no.
<b>DIAMANT F1</b> 🍏	Parthenocarpic	HR: Pcu, Px IR: CMV	3.1/1	Resistance to powdery and downy mildew. Smooth, straight, dark green fruits.	100 seeds	Untreated	027016NG
<b>MONOLIT F1</b>	Parthenocarpic	HR: Px, Ccu IR: CMV	3.1/1	Smooth-skinned fruits. Excellent regenerative capability ensures high, even yields. For year-round cultivation, also suitable for under glass and in foil tunnel.	100 seeds	Untreated	H27040NG
<b>PROFI F1</b> 🍏	Parthenocarpic	HR: Px, Ccu IR: CMV	3.1/1	Smooth-skinned professional variety with high yields for the canning industry. Ideal fruit shape and colour, very good interior quality and preservation properties.	100 seeds	Untreated	027005NG
<b>ZIRCON F1</b>	Parthenocarpic	HR: Px, Ccu IR: CMV	3.1/1	Very vigorous new variety with strong regeneration capability. The spiky fruits impress with their very high fruit quality and their crispness. Very healthy and very robust against downy mildew.	100 seeds	Untreated	H27041NG
<b>BRUNO F1</b>	Parthenocarpic	HR: Px, CVYV, Cca / IR: CMV	3.1/1	Early, spiny, parthenocarpic pickling cucumber. Vigorous plant, dark green fruits with good shelf life. Type: spiny.	100 seeds	Untreated	H27042NG
<b>OCTOPUS F1</b>	Mixed flowering	HR: Ccu / IR: Px, Pcu, CMV	3.1/1	Mildew resistant for organic cultivation. Mixed flowering. Type: spiny.	100 seeds	Untreated	H27043NG

# Eggplant

*Solanum melongena L.*



**AMALIA F1** 🌱

Improved Cristal F1



**ANET F1** 🌱

**Sowing:** February to early April

**Seed requirements:** 10 g for 1,000 plants  
220-250 seeds/g  
TKG = 4-6 g

**Pre-cultivation:** 6 to 10 weeks

**Germination:** 7-10 days



**Germination temperature:** 20°C

**Growing temperature:**  
16-18°C night temperature  
18-22°C day temperature

**Planting density:**  
Protected cultivation: 60 x 110 cm, i.e. 1.5 plants/m<sup>2</sup>  
In the field: 50 x 75 cm, i.e. 2.6 plants/m<sup>2</sup>

**Fertilisation (u /ha):**  
**N** = 400-500  
**P** = 200-250  
**K** = 500-700



**ELISA F1** 🌱



**CRISTAL F1** 🌱



**MONEY MAKER F1**

## Purple eggplant

Varieties	Fruit shape	Length (cm)	Weight	Characteristics	Min Qty	Product type	Item no.
<b>MONEY MAKER F1</b>		20	200 g	Very early maturity. Growth type: vigorous. Prickle-free.	50 seeds	Untreated	H01101NG
<b>AMALIA F1</b> 🌱		20-22	250 g	<b>Improved Cristal</b> with verticillium tolerance, short internodes. Good durability / shelf life.	50 seeds	Untreated	001050NG
<b>CRISTAL F1</b> 🌱		20-22	250 g	Standard outdoor variety. Very early and shiny, good yield, good for storage, sowing from January. Growth type: medium. Few prickles on the calyx.	50 seeds	Untreated	001014NG
<b>ANET F1</b> 🌱		20-22	350 g	Large, shiny, dark purple, elongated fruit with green, only slightly prickly calyx. An impressive professional variety Early and high-yield.	50 seeds	Untreated	001087NG
<b>ELISA F1</b> 🌱		18-20	350 g	Very early, round-oval eggplants with only slightly prickly calyx. The firm fruit is a glossy dark purple. Long harvesting window. Also very suitable for seedling resale.	50 seeds	Untreated	001067NG





CLARA F1



KABERI F1



LUCILLA F1



NEW

BEATRICE F1









NEW

GIOLETA F1



MORETTA F1

## Specialities

Varieties	Fruit shape	Length (cm)	Weight	Characteristics	Min Qty	Product type	Item no.
KABERI F1		12	50-60 g	Mini eggplant for pots. Plant height: approx. 50-60 cm. Growth type: compact. Prickle-free.	50 seeds	Untreated	H01094NG
NEW BEATRICE F1		13-15	300 g	Pale purple, round-oval fruit, medium-early growth. Very tender flesh, excellent flavour.	50 seeds	Untreated	001041NG
CLARA F1		20-22	300 g	Large fruit with white skin and white flesh. Unusual.	50 seeds	Primed Untreated	001032NV
LUCILLA F1		20-22	300 g	Vigorous plants with short internodes. Lovely violet fruits with white stripes. Green, prickle-free calyx.	50 seeds	Primed Untreated	001079NV
NEW GIOLETA F1		20 - 30	100 - 150 g	Interesting, snake-shaped addition to the range, suitable for greenhouse and outdoor cultivation.	50 seeds	Untreated	001088NG
MORETTA F1		25-30	600 - 800 g	Long eggplant for greenhouse and outdoor cultivation, especially for marketing for Asian cuisine. Growth type: vigorous. Few prickles on the calyx. Resistances: HR: Va/Vd, IR: Fom.	50 seeds	Untreated	001102NG

# Melon

*Cucumis melo L.*

**Sowing:**  
January to June

**Seed requirements:**  
40 g for 1,000 plants. 30-35 seeds/g

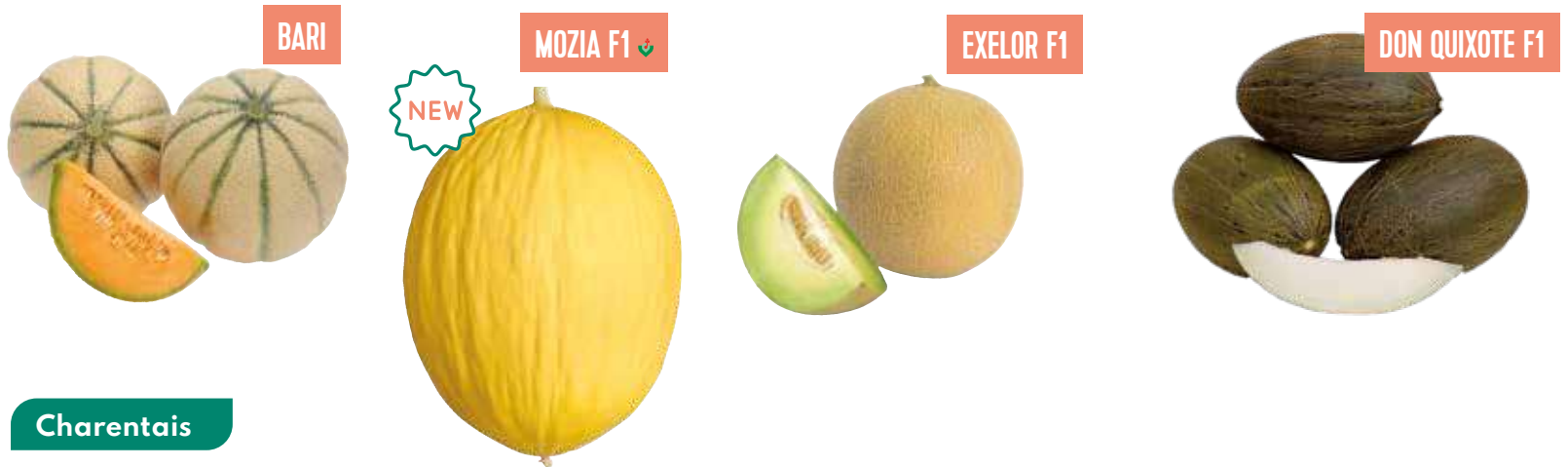
**Pre-cultivation:**  
3 to 4 weeks

**Germination:**  
6-10 days



**Planting density:**  
4,500 to 8,000 plants/ha under protection  
7,000 to 10,000 plants/ha outdoors

**Fertilisation (u/ha):**  
N = 150 P = 80 K = 250



## Charentais

Variety	Use	Characteristics	Resistances	Average Weight	Min Qty	Product type	Item no.
<b>GANDALF F1</b>	Λ —	Very early Charentais melon with netted skin. Orange flesh with excellent flavour due to high sugar content. Very suitable for seedling resale.	HR: Fom 0-2 / IR: Px1,2, Gc	1 kg	50 seeds	Untreated	H42086NG

## Cantaloupe

Varieties	Use	Characteristics	Resistances	Average Weight	Min Qty	Product type	Item no.
<b>BARI</b>	Λ —	Medium-early, Italian cantaloupe type, uniform fruit size with attractive netted skin, also suitable for growing under glass.	HR: MNSV, Fom 0-2 / IR: Gc 1, Px 1, 2, 5	1.2-1.5 kg	50 seeds	Untreated	04203ING
<b>MAGENTA F1</b>	Λ —	Very uniform Cantaloupe melon with netted skin. The fruit, weighing approx 1 kg, have an excellent storage life ('long shelf life' type). Sugar-sweet, mild flesh with unusual intense orange colour.	HR: Fom 0-2 / IR: Px1,2, Gc	1 kg	50 seeds	Untreated	H42087NG

## Canary melon / Honeydew melon

Variety	Use	Characteristics	Resistances	Average Weight	Min Qty	Product type	Item no.
<b>MOZIA F1</b>	— Protected cultivation	Bright yellow honeydew melon with fresh pale green flesh. Vigorous plant with upright growth. Productive variety; high Brix value.	HR: Fom: 0, 1/ IR: Gc Px: 1, 2, 3, 3.5, 5 / Ag	1.4 kg	50 seeds	Untreated	042002NG

## Galia melon

Varieties	Use	Characteristics	Resistances	Average Weight	Min Qty	Product type	Item no.
<b>EXELOR F1</b>	— Protected cultivation	Vigorous variety for early cultivation.	HR: MNSV; Fom: 1-2 / IR: GC :1; Px1,2,5	1 - 1.8 kg	50 seeds	Untreated	042164NG
<b>ESMERALDA F1</b>	— Protected cultivation	Sweet, aromatic, Galia melon with green flesh; aphid-resistant; particularly long shelf life. The yellow netted fruits can weigh up to 1 kg.	HR: Fom 0,2 / IR: Px 1,2, Gc	0.8 - 1 kg	50 seeds	Untreated	H4217ONG

## Piel de Sapo

Variety	Use	Characteristics	Resistances	Average Weight	Min Qty	Product type	Item no.
<b>DON QUIXOTE F1</b>	—	Lightly marked green skin. Medium-early, very vigorous.	HR: MNSV, Fom 0,1, Gc 1 IR: Px 1,2,5	3 - 5 kg	50 seeds	Untreated	042033NG

# Watermelon

*Citrullus lanatus*

## With seeds

TOP GUN F1



PRIMAGOLD F1



PRIMAORANGE F1



RED STAR F1












## Microseeds

PEPITA F1



HIROMI F1



Varieties	Type	Shape	Characteristics	Resis- tances	Average weight	Min Qty	Product type	Item no.
<b>With seeds</b>								
PRIMAORANGE F1		Round	Orange-fleshed variety with few seeds and sweet taste.	-	2.5 - 3.5 kg	50 seeds	Untreated	046684NG
PRIMAGOLD F1		Round	Yellow, crisp, and very sweet flesh. Good fruit formation.	-	3-4 kg	50 seeds	Untreated	046667NG
RED STAR F1		Oval	Very vigorous variety with early fruit setting. Dark green watermelon weighing 6-9 kg, with crisp, red flesh. Juicy and sweet tasting.	-	6-9 kg	50 seeds	Untreated	H46023NV
TOP GUN F1		Oval	Large-sized watermelon which can also be used as a pollinator for seedless varieties.	IR: Co 1, Fon 1	9-11 kg	50 seeds	Untreated	H46700NG
<b>Microseeds</b>								
HIROMI F1		Round	Very early, virtually seedless mini watermelon. Ideal household size – approx. 1.5 - 2.5 kg. Excellent quality flesh with extra-sweet taste. Very productive and uniform, with good storage properties.	IR: Fon 0.1	1.5-2.5 kg	50 seeds	Untreated	H46680NV
TIGRIMINI F1 WM 9075		Oval	Jubilee/Tiger type with small seeds, very suitable as a pollinator, excellent quality, Brix value 11-12.	-	1.7-2 kg	50 seeds	Untreated	H46699NG
PEPITA F1 (GV 46490)		Round	Early mini watermelon, 'Jubilee' type with high Brix value. Can be used as a pollinator.	-	2-3 kg	50 seeds	Untreated	046674NG
PREMIUM F1		Oval	Early, oval-shaped watermelon with firm, red flesh and excellent flavour. Only forms very small seeds, which can be eaten with the flesh. Good pollinator variety. Optimal germination temperature is 28°C.	IR: Fon 0.1	2-3 kg	50 seeds	Untreated	H46682NV
CONGUITA F1		Round	Dark green skin, diploid, can also be used as a pollinator for striped triploid varieties. Good interior quality, thin rind, Brix up to 11.	-	2-4 kg	50 seeds	Untreated	H46692NG

## Seedless



## GROWING TIP

## Seedless variety

Needs a pollinator to produce fruit (after every third plant, a pollinator variety must be planted). Choose a pollinator with a different skin. This makes it easier to distinguish after harvesting.



MASTER F1



VANESSA F1



STELLAR F1



PEKIN F1










BIBO F1



WM 9059 F1



DORIN F1

Varieties	Type	Shape	Characteristics	Resis- tances	Average weight	Min Qty	Product type	Item no.
<b>Seedless Important!</b> Termination temperature 30°C								
MASTER F1		Spherical	Virtually seedless mini watermelon, thin rind, main variety mini watermelon (pollinator important).	-	1.8-2.5 kg	50 seeds	Untreated	H46697NG
BIBO F1		Spherical	Virtually seedless mini watermelon, thin-peeled (pollinator important).	-	2-3 kg	50 seeds	Untreated	H46691NG
WM 9059 F1		Round	Sugar Baby type with very early development and very good taste. Use: Outdoors, tunnel. Brix value up to 12.5; firm flesh with a good bite. Very uniform fruits. Cannot be used as a pollinator! (pollinator therefore important).	-	2.5-4.0 kg	50 seeds	Untreated	H46701NG
DORIN F1		Spherical	Medium-sized Sugar Baby type, must be planted with pollinator.	-	2-4 kg	50 seeds	Untreated	H46693NG
PEKIN F1		Round	Seedless watermelon with fresh yellow flesh and uniformly high quality. The striped fruits, weighing 3-5 kg, are very uniform. Good suitability for transportation and storage. Suitable for the entire season outdoors and in greenhouse. Triploid variety, requires a pollinator, e.g. Conguita F1 or SP-7 F1.	-	3-5 kg	50 seeds	Untreated	H46681NV
VANESSA F1		Oval	Seedless mini watermelon weighing 2-3 kg. Very vigorous and productive variety for mini tunnel and outdoor cultivation. Uniform, dark green fruit with crisp, very sweet flesh. Triploid variety, requires a pollinator, e.g. Premium F1. Pollinator variety.	-	2-3 kg	50 seeds	Untreated	H46612NV
STELLAR F1		Round	Seedless watermelon, weight 4-6 kg, with secure fruit setting and fast development. Deep red, very sweet, crisp flesh; dark green skin. Relatively robust in cultivation, suitable for greenhouse and outdoors. Triploid variety, requires a pollinator, e.g. Premium F1.	-	4-6 kg	50 seeds	Untreated	H46683NV

# Watermelon - Rootstock

*Citrullus lanatus*

Variety	Characteristics	Resistances	Average weight	Min Qty	Product type	Item no.
<b>KARDOSA RS 3531 F1</b>	Very good for grafting of watermelons, Cucurbita moschata and Cucurbita maxima type; very interesting because of the high tolerances.	HR: Fon	-	50 seeds	Untreated	H46702NG

# Okra

*Abelmoschus esculentus*

Variety	Characteristics	Min Qty	Product type	Item no.
<b>GARIBAR F1</b>	Extremely early variety with excellent, uniform market quality; the fruits are hexagonal/octagonal and 10-15 cm long; plant height up to 2.5 metres; plant has very short internodes; this variety can also be grown outdoors, but better in protected cultivation. Recommended plant density: 2.5 / m. Development time (in days): 60.	100 seeds	Untreated	058123NG



# Physalis

*Physalis peruviana*

## Sowing:

January - April

## Seed requirements:

8 g for 1000 plants

## Pre-cultivation:

8 to 12 weeks

## Germination:

5 - 14 days at 25°C

## Planting density:

5,000 to 10,000 plants/ha  
0.5 to 1 m x 2 m



## Fertilisation (u /ha):

**N** = 100-150 **P** = 150-200  
**K** = 150-200



**GOLDITA** 



Varieties	Characteristics	Min Qty	Product type	Item no.
<b>GOLDITA</b> 	Berries measuring 1.5 - 2 cm in a beige husk. Can be eaten raw as an aperitif, or cooked as a confiture.	250 seeds	Untreated	026500NG
<b>VIENNA</b> 	Vibrant dark golden-yellow berries with a sweet & sour, aromatic flavour; for outdoors and greenhouse	250 seeds	Organic	026506BG

# Hot pepper (Chili)

*Capsicum (Capsicum annuum L./ chinense/ frutescens)*

## Sowing:

February to April

## Seed requirements:

10 g for 1,000 plants

## Pre-cultivation:

7 to 10 weeks

## Germination:

8-14 days



## Growing temperature:

22°C daytime; 16°C night

The irrigation water must always be above 14°C

## Planting density:

15,000 to 30,000 plants/ha

2-4 plants/m<sup>2</sup>

## Fertilisation (u /ha):

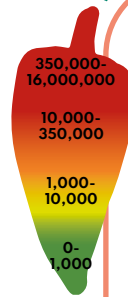
N = 200-250 P = 150-200 K = 300-400

## CULTIVATION ADVICE

### Scoville heat scale

A scale for measuring the degree of spiciness of hot pepper fruits. The value depends on the capsaicin content in the dried fruit. The alkaloid capsaicin triggers the sensation of spiciness on the mucous membranes.

Sweet peppers = Level 0.



MILDER SPIRAL



SUMHER F1



CHILLI AS



PEPPINO F1



GORRIA



JALAPENO M JOLOBA



Varieties	Fruit				Scoville heat scale	Characteristics	Min Qty	Product type	Item no.
	Unripe	Ripe	Length (cm)	Width (cm)					
PEPPINO F1			4	6	200-1,000	Flat and round ribbed fruit, ripening to deep red, medium heat. Very early maturation. Compact, uniform plant with open growth, fruit can easily be seen.	50 seeds	Untreated	049323NG
MILDER SPIRAL			15-18	2	10-500	Mild pepper for fresh food market and industry, very early and high-yield. Outdoors. Greenhouse. Fruit colour when ripe: bright red.	50 seeds	Untreated	049172NG
SUMHER F1			24	2	700-1,000	Attractive, shiny, aromatic Turkish sweet pepper of the 'Demre sivrisi' type. The slim, slightly spiral-shaped fruits are spicy when green, and dark red and spicier when fully ripe. Very high yield and uniform. Resistances: HR: TMV, ToMV, PMMoV 1,2, BePMV.	50 seeds	Untreated	049316NG
CHILLI AS			3-4	2.5	1,000-2,000	Conical shaped hot pepper with a degree of spiciness of 1-2; for fresh food market and industry; thick-walled, medium-early and very high yield.	50 seeds	Untreated	H49366NG
GORRIA			10-14	2-4	2,500-5,000	The typical Basque chilli pepper. Hot taste. Fairly tall plant. Loose plant structure. Very small, 2-4 cm long, tuft-shaped chilli pepper for drying, spiciness level 5. Upward-pointing fruits.	50 seeds	Untreated	049099NG
JALAPENO M JOLOBA			8-9	3-4	5,000-10,000	Thick-walled, rounded point, spiciness level 5-6.	50 seeds	Untreated	H49373NG



HYPER F1



PICASSO F1



TABASCO



PETER RED PEPPER



SAHEM F1



THAI CHILI

Varieties	Fruit				Scoville heat scale	Characteristics	Min Qty	Product type	Item no.
	Unripe	Ripe	Length (cm)	Width (cm)					
<b>HYPER F1</b>			15-20	2	5,000-8,000	Very spicy and very early hot pepper, ripens from light green to bright red. Smooth and easy to harvest due to its long stem base. Very robust against blossom end rot and fruit cracks.	50 seeds	Untreated	049322NG
<b>TABASCO</b>			5-10	2-3	50,000-100,000	Ingredient for the famous spicy sauce. <i>Capsicum frutescens</i> .	50 seeds	Untreated	049076NG
<b>PETER RED PEPPER</b>			8-10	3	50,000	Red chilli pepper; a real eye-catcher in the garden and in the kitchen; plant height approx. 50 cm.	50 seeds	Untreated	049377NG
<b>PICASSO F1</b>			12	1.5	50,000	Fireflame type with high yield. Spiciness level 8. Resistances: HR: Tm 2, O.	50 seeds	Untreated	H49378NG
<b>SAHEM F1</b>			15	2	50,000	Oriental-type hot pepper with spiciness level of 1-2. Hot chilli pepper; very good fruit set. Resistances: HR: PVY:0.	50 seeds	Untreated	H49380NG
<b>AMANDO F1</b>			16-18	2	100,000-150,000	Very spicy, straight, pointed fruits. Uniform, dark green, ripening to red. Attractive, tall plant, medium early, very high yield. Resistances: HR: BePMV, TMV, ToMV.	50 seeds	Untreated	H49320NG



HABANERO YELLOW



NAGA JOLOKIA RED



NAGA MORICH

Varieties	Fruit				Scoville heat scale	Characteristics	Min Qty	Product type	Item no.
	Unripe	Ripe	Length (cm)	Width (cm)					
HABANERO YELLOW			5-8	4	550,000	<i>Capsicum chinense</i> . Small, blocky, extremely hot chilli pepper, spiciness level 10.	50 seeds	Untreated	H49371NG
HOT CHOCOLATE			3-4	4	550,000	Small, blocky, extremely hot pepper, spiciness level 10.	50 seeds	Untreated	H49372NG
NAGA JOLOKIA RED			5-8	2-3	600,000-1,000,000	<i>Capsicum chinense</i> . Indian variety, known as the spiciest in the world.	50 seeds	Untreated	O49161NG
NAGA MORICH			5	2.5	1,000,000-1,100,000	<i>Capsicum chinense</i> . One of the hottest chilli peppers in the world.	50 seeds	Untreated	H49376NG

## Pot and balcony



ROCOTO F1

Variety	Fruit			Scoville heat scale	Characteristics	Min Qty	Product type	Item no.
	Unripe	Ripe	Length (cm)					
ROCOTO F1			4	300,000 - 400,000	Cherry hot pepper with fruit measuring approx. 4 cm, for filling with cheese, spiciness level 9. Labels. Type: spherical. opf./balcony pepper. Outdoors. Greenhouse.	50 seeds	Untreated	O49379NG



# Sweet pepper

*Capsicum annuum L.*

**Sowing:**  
November to March

**Seed requirements:**  
10 g for 1,000 plants

**Pre-cultivation:**  
7 to 10 weeks

**Germination:**  
8-14 days



**Growing temperature:**  
22°C daytime; 16°C night

The irrigation water must always be above 14°C

**Planting density:**  
15,000 to 30,000 plants/ha  
2-3.5 plants/m<sup>2</sup>

**Fertilisation (u/ha):**  
N = 200-250 P = 150-200  
K = 300-400



**DELUX F1**



**GOLDENSTAR F1**



## Bell pepper

Varieties	Resistances	Fruit				Characteristics	Min Qty	Product type	Item no.
		Unripe	Ripe	Length (cm)	Width (cm)				
<b>BALTA F1</b>	HR: PVYO, PVY 0-2, Tm 0 IR: TSWV, Lt, CMV			12	9	Medium-green California type, high yield, very uniform fruit; easy to harvest.	50 seeds	Untreated	H49384NG
<b>BLONDY F1</b>	HR: PVY 0			10	8	Wax-white sweet pepper for early harvest, thin-walled, with high yield per unit.	50 seeds	Untreated	H49387NG
<b>DELUX F1</b>	HR: Tm 0.5 IR: TSWV, Po, T Cr/St			8-10	6-8	Vigorous plant with open structure; easy to handle and good yields; very long shelf life after harvesting; also suitable for export	50 seeds	Untreated	049291NG
<b>DOLMY F1</b>	HR: Tm 0			11	9	Light green sweet pepper, very early ripening; for cold cultivation or under heat; high yield per unit.	50 seeds	Untreated	H49395NG
<b>GEMINI F1</b>	HR: TMV, ToMV, PMMoV, PVY 0.1			13	8	Lamuyo sweet pepper, ripening from green to yellow. Gemini is thick-walled and very sweet. Gemini is high early and overall yields. Also very suitable for seedling resale.	50 seeds	Untreated	H49329NG
<b>GOLDENSTAR F1</b>	IR: TSWV PO			12-14	9.5-11	Lamuyo half-length type. Fruit weight: approx. 300g; extremely thick-walled; crisp and sweet. Vigorous foliage protects the plant from sunburn. Robust variety, not affected by heat or crack formation.	50 seeds	Untreated	049294NG
<b>LAMUYO F1</b>	HR: Tm 0			15-18	8-10	Typical Lamuyo peppers that can be harvested at both green and red stages. Ideal for filling.	250 seeds	Untreated	049001NG

MAVRAS F1



MONTE F1



NEUSIEDLER IDEAL



OLLY F1



LLYN F1



QUADRUS F1



PATRIZIO F1 🍀



YECLA F1



Varieties	Resistances	Fruit		Length (cm)	Width (cm)	Characteristics	Min Qty	Product type	Item no.
		Unripe	Ripe						
LLYN F1	HR: Tm1, Tm2, Tm0			10	9	Beautiful, vigorous seedlings, ideal for semi-professional cultivation. Fruit size: 170-200 g.	50 seeds	Untreated	H49398NG
MAVRAS F1	HR: Tm 1, 2, 0			12	10	Heavy, dark purple fruit, ripening to red; growth medium to vigorous.	50 seeds	Untreated	H49046NG
MONTE F1	HR: Tm 1, 2, 0			11	9-10	Very high-yield bell pepper with light green fruit, ripening to yellow; suitable for outdoors and greenhouse; robust, needs little heat; early and high yield even outdoors.	50 seeds	Untreated	H49400NG
NEUSIEDLER IDEAL	-			9	9	Light green, very early ripening variety; for amateur cultivation; also suitable for filling.	50 seeds	Untreated	049171NG
OLLY F1	HR: Tm1, Tm2, Tm0			9	10	Early, high yield sweet pepper for all types of cultivation; suitable for growing outdoors and in foil tunnels. Fruit weight: 180-200 g.	50 seeds	Untreated	H49401NG
PATRIZIO F1 🍀	HR: TMV, ToMV, PMMoV			11	9	Medium-early, vigorous sweet pepper with very stable plants. Thick-walled, ripening from green to red.	50 seeds	Untreated	049332NG
QUADRUS F1	HR: Tm 1, 2, 3, 0			11	10-11	Beautiful, vigorous seedlings, ideal for semi-professional cultivation.	50 seeds	Untreated	049403NG
TEQUILA F1	-			9	9	Very early, medium-sized purple fruit; growth medium to vigorous; for direct sale.	50 seeds	Untreated	H49063NG
YECLA F1	HR: Tm 0, PVY 0,1,2			10	10	Early, high yield sweet pepper for all cultivation locations, suitable for outdoors; thick-walled fruit, very attractive red colour when ripe and very high yield.	50 seeds	Untreated	H49411NG



CAMPARI F1



CLEOR F1



ATRIS F1



ESTILO F1



CORNO DI TORRO ROSSA



KOSTAS F1



PALLADIO F1



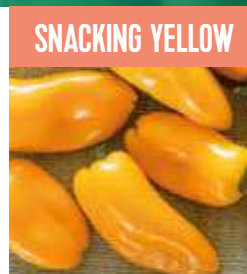
PARTNER F1

## Bull's horn/Goat's horn

Varieties	Resistances	Fruit				Characteristics	Min Qty	Product type	Item no.
		Unripe	Ripe	Length (cm)	Width (cm)				
KOSTAS F1	HR: TMV, ToMV, PMMoV			15-17	6	Sweet bull's horn type, ripening from green to red, with short, conical fruits. High early and overall yields. Compact growth, suitable for seedling resale.	50 seeds	Untreated	049330NG
ATRIS F1	-			18-20	5-7	Red pointed pepper, thick-walled, heavy fruits, vigorous plant with early fruit set; for outdoors and greenhouse.	50 seeds	Untreated	H49078NG
CORNO DI TORRO ROSSA	-			18-20	6	High yield plant for outdoor cultivation and in tubs; glossy red fruits approx.	50 seeds	Untreated	049392NG
CORNO DI TORRO GIALLO	-			18-20	6	High yield plant for outdoor cultivation and in tubs; glossy golden yellow fruits approx.	50 seeds	Untreated	049391NG
PARTNER F1	IR: TSWV			18-20	6	Early variety with firm, dense flesh. Good shelf life. High yield. Robust against blossom end rot.	50 seeds	Untreated	049331NG
PALLADIO F1	-			19	6	Bell pepper ripening from green to yellow, very early, high overall yield.	50 seeds	Untreated	049275NG
CAMPARI F1	HR: PVYO, Tm 1, 2, 0; IR: CMV			20	5-6	Very early, thick-walled, pointed pepper, for outdoors and greenhouse; high yield per unit, good shelf life after harvesting; very sweet.	50 seeds	Untreated	H56432NG
ESTILO F1	HR: TMV, ToMV, PMMoV			20-22	6	Elongated, very tasty fruit, even when still green. High net yield from start of harvest onwards.	50 seeds	Untreated	049317NG
CLEOR F1	HR: PVYO			22	5-6	Very early, cow-horn-shaped, orange-ripening sweet peppers, high yield potential, strong against blossom end rot.	50 seeds	Untreated	H49253NG



SNACKING RED



SNACKING YELLOW



SNACKING



SNACKING PURPLE



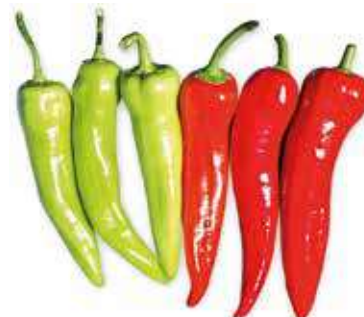
PIROUET F1



PARIPA F1



AGIO F1



CHARLETTE

### Snack pepper

Varieties	Fruit				Characteristics	Min Qty	Product type	Item no.
	Unripe	Ripe	Length (cm)	Width (cm)				
SNACKING RED			9	2.5	Trendy pepper as a break-time snack for children, very sweet, 40-50 g,	50 seeds	Untreated	H49386NG
SNACKING YELLOW			9	2.5	Trendy pepper as a break-time snack for children, very sweet.	50 seeds	Untreated	H49409NG
SNACKING			6	3.5	Snack pepper for balcony and gardens; plant height 30-35 cm.	50 seeds	Untreated	H49399NG
SNACKING PURPLE			9	2.5	Addition to the snack pepper range, violet colour, very sweet, 40-50 g,	50 seeds	Untreated	H49397NG

### Other types

Varieties	Resistances	Fruit				Characteristics	Min Qty	Product type	Item no.
		Unripe	Ripe	Length (cm)	Width (cm)				
PARIPA F1	HR: Tm 1, 2, 0			4-5	9	Typical tomato pepper, diameter fruit weight 150 g; dense flesh, very sweet; very good foliage development, therefore not susceptible to sunburn; use for fresh food market and preservation.	50 seeds	Untreated	049269NG
PIROUET F1	-			9	6	Thin-walled; very early with very good regeneration, very good fruit set, can also be harvested when still light green; pointed; upward-pointing fruits.	50 seeds	Untreated	H49402NG
CHARLETTE	-			25	3	Turkish pointed pepper, high yield per unit, very early; sweet.	50 seeds	Untreated	H49390NG
AGIO F1	HR: TMV, ToMV, PMMoV 2			14	6	Early variety with characteristic Hungarian paprika colouring. Hungarian pepper. Very high yield with heavy, conical fruits.	50 seeds	Untreated	049318NG

# Sweet Pepper - Rootstock

*Capsicum annuum L.*

Variety	Characteristics	Min Qty	Product type	Item no.
SMOOKER F1	Standard variety for grafting in the event of nematode problems. HR: PVYO, Tm 0, IR: Pc.	50 seeds	Untreated	H49382NG



# Squash - Pumpkin

VEENAS F1



PLUTO F1



ZÉPHYR F1



**Sowing:**  
End of April to May

**Germination:**  
3 to 8 days



**Seed requirements:**  
Hokkaido: 250 g / 1,000 plants  
Pumpkin: 200 g / 1,000 plants

**Fertilisation (u/ha):**  
N = 120 P = 100 K = 200-250

**Ideal storage temperature:**  
Around 15°C in a dry place

VICTORY F1



NEW

GRANITE F1



TIANA F1



ORANGE NUT F1



## Butternut *Cucurbita moschata*

Varieties	Cultivation period (sowing to harvest)	Plant structure	Fruit		Characteristics	Min Qty	Product type	Item no.
			Average Weight	Shape				
VEENAS F1	110 days	Rambling	600 - 800 g		Easy to grow plant with high yield potential, very firm, orange flesh, excellent taste.	50 seeds	Untreated	028141NG
ORANGE NUT F1	80 days	Semi-bush	1 - 1.5 kg		Bell-shaped, pale yellow coloured muscat squash. Firm, nut-like. Very sweet flesh, deep orange colour. Very suitable for storage.	50 seeds	Untreated	028230NG
PLUTO F1	110 days	Rambling	1 - 1.5 kg		Plant behaves well in challenging conditions, ensuring a good harvest. IR: powdery mildew. Ideal variety for processing.	50 seeds	Untreated	028130NG
TIANA F1	100 days	Rambling	1 - 1.2 kg		Early ripening, high yield and good quality; flesh is an intense dark colour, fruit shape resembles an elongated pear, beige. Fruits per plant: 3-5. Planting density (per 100m <sup>2</sup> ): 110-130.	50 seeds	Untreated	H28119NG
VICTORY F1	100 days	Rambling	1 - 2 kg		Bell-like, pale yellow-coloured crookneck squash. Very sweet, nutty, firm, deep orange flesh. Very good for storage.	50 seeds	Untreated	028639NG
NEW GRANITE F1	95 days	Rambling	1.2-1.4 kg		High yield, uniform butternut squash, good fruit quality, classic butternut appearance,	50 seeds	Untreated	028735NG
ZÉPHYR F1	105 days	Rambling	1.5 - 2.5 kg		Compact plant with uniform fruits with very good appearance at the point of sale.	50 seeds	Untreated	028115NG

**ROTORUA F1** 🍂

Very high yield

**UCHIKI KURI****FICTOR****KENJI KURI F1****KAORI KURI F1****COLINKY F1****Hokkaido Orange** *Cucurbita maxima Duchesne*




Varieties	Cultivation period (sowing to harvest)	Plant structure	Fruit		Characteristics	Min Qty	Product type	Item no.
			Average Weight	Shape				
<b>ORANGE SUMMER F1</b>	90-100 days	Rambling	0.8-1 kg		Improved Uchiki Kuri, secure germination, low susceptibility to mildew, higher fruit set compared to Uchiki Kuri. IR: Px.	50 seeds	Treated	H52503FG
<b>KAORI KURI F1</b>	85 days	Rambling	0.8-1.4 kg		Rambling plant with 2-3 very uniform, bright red fruits, smooth-skinned squash with flat base for attractive presentation for retail trade; high Brix value, therefore very sweet and aromatic, one of the best Hokkaido varieties for storage. Resistances: IR: ZYMV, WMV, PRSV.	50 seeds	Treated	H52504FG
<b>HOT SUMMER F1</b>	90 days	Semi-bush	1-1.2 kg		Semi-bush plant with 1-3 very uniform fruits. Produces mainly in the 1.0-1.2 kg segment. Flat base, therefore easy to transport in a crate or position on a shelf. Medium-long shelf-life. IR: ZYMV, WMV, PRSV.	50 seeds	Treated	H52505FG
<b>FLEXI KURI F1</b>	80-85 days	Rambling	1-1.4 kg		Very vigorously growing Hokkaido squash, good germination even in adverse conditions, therefore ideally suited for direct sowing. Early crop finish facilitates weed management. Flat, round fruits, shiny dark red. Resistances: IR: ZYMV, WMV, PRSV.	50 seeds	Treated	H52506FG
<b>FICTOR</b>	95 days	Rambling	1 - 1.5 kg		Vigorous plant. Intense orange fruit with good shelf life after harvest.	50 seeds	Untreated	052027NG
<b>ROTORUA F1</b> 🍂	90-100 days	Rambling	1 - 1.5 kg		Beautiful variety with round, slightly pear-shaped fruits. High-yield, vigorous plant.	50 seeds	Untreated	052037NG
<b>COLINKY F1</b> * <sup>(2)</sup>	95 days	Rambling	1 - 1.5 kg		Squash with firm, bright orange skin and the characteristic Hokkaido shape. Very good, sweet flavour, high yields. Also suitable for the processing industry.	50 seeds	Untreated	052034NG
<b>UCHIKI KURI</b>	95 days	Strong rambling	1 - 1.5 kg		The flesh has a chestnut flavour. High yield.	50 seeds	Untreated	052007NG
<b>KENJI KURI F1</b>	85 days	Rambling	1-1.5 kg		Hokkaido squash with extremely high resistance. The fruits are round and slightly ribbed. Beautiful dark orange colour, with good storage suitability. Resistances: IR: ZYMV, WMV, PRSV.	50 seeds	Treated	H52507FG

## BLUE BALLET



## VERDALINE®(1)\*\*

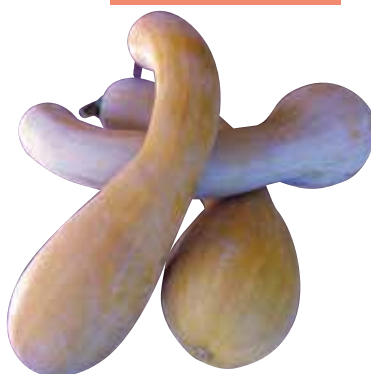
Hokkaido Green *Cucurbita maxima Duchesne*

Varieties	Cultivation period (sowing to harvest)	Plant structure	Fruit		Characteristics	Min Qty	Product type	Item no.
			Average Weight	Shape				
BLUE BALLET	100 days	Rambling	1 - 2 kg	 Blue Hubbard type, but smaller. Dark yellow to orange dense flesh with excellent flavour.	50 seeds	Untreated	028566NG	
VERDALINE®(1)** 	110 days	Strong rambling habit	3 - 5 kg	 Plant bears 3-4 fruit of 3-5 kg each. When ripe, the flesh is red, dense and sweet. Good storage suitability.	50 seeds	Untreated	028046NG	

## MUSQUÉE DE PROVENCE



## LONGUE DE NICE







## PLEINE DE NAPLES



## ASIA MAT DOL

Muscat *Cucurbita moschata*

Varieties	Cultivation period (sowing to harvest)	Plant structure	Fruit Average Weight	Shape	Characteristics	Min Qty	Product type	Item no.
MUSQUÉE DE PROVENCE	140 days	Rambling	7 - 40 kg		Favourite pumpkin variety. Flat, round, light brown fruit with deliciously vibrant orange flesh.	50 seeds	Untreated	052002NG
PLEINE DE NAPLES	140 days	Strong rambling	5 - 25 kg		Neapolitan Long squash type. Suitable to be sold in slices. The seeds are only at the fruit base.	50 seeds	Untreated	028607NG
LONGUE DE NICE	130 days	Rambling	3 - 5 kg		Firm flesh. Runner-forming (stoloniferous) plant.	50 seeds	Untreated	028005NG
ASIA MAT DOL	100 days	Rambling	3 - 6 kg		Good for culinary use, dark orange flesh. Ripens before other muscat squash.	50 seeds	Untreated	028729NG



CELEBRATION F1\*\*



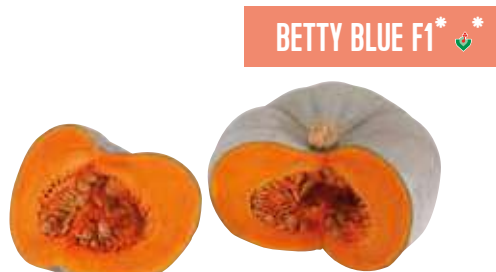
BEPPO F1



SWEET DUMPLING\*\*



SWEET LIGHTNING F1



BETTY BLUE F1\*



BONBON F1



CROWN PRINCE F1



RARITY F1



ROUGE VIF D'ETAMPES



FUTSU BLACK

## Other types

Varieties	Cultivation period (sowing to harvest)	Plant structure	Fruit Average weight	Characteristics	Min Qty	Product type	Item no.
<i>Cucurbita pepo L.</i>							
CELEBRATION F1**	100 days	Compact	0.6 - 1 kg	Fruit with 10 lateral colour bands. Very decorative.	50 seeds	Untreated	028588NG
DELICATA**	105 days	Compact	0.5 - 1 kg	Very uniform fruits with chestnut flavour.	50 seeds	Untreated	028541NG
BEPPO F1	110 days	Medium compact	3 - 5 kg	Shell-less seeds, edible and rich in protein. For the production of cooking oil. Early variety, very productive with high seed yield potential.	50 seeds	Treated	028594FG
SWEET DUMPLING**	Storage suitability	Medium-strong rambling	200 - 300 g	Also called 'Patidou'. One of the best squashes. Excellent chestnut flavour.	50 seeds	Untreated	028032NG
SWEET LIGHTNING F1	100 days	Rambling	0.5 kg	The deep yellow fruit with orange stripes is ideal for quick preparation: cut open the squash, remove seeds with a spoon, then microwave for approx. 5 minutes; good for filling; extremely tasty especially when young.	50 seeds	Untreated	028503NG
<i>Cucurbita maxima Duchesne</i>							
BETTY BLUE F1*	110 days	Rambling	4 - 6 kg	Very attractive interior colour. Very long storage life.	50 seeds	Untreated	028654NG
BONBON F1 (BUTTERCUP)	95 days	Medium-strong rambling	1.5 - 2 kg	'Buttercup' type. Dark green, uniform fruit. Excellent flavour.	50 seeds	Untreated	028653NG
CROWN PRINCE F1	120 days	Rambling	3 - 4 kg	New Zealand winter squash with grey skin and bright orange flesh; sweet, nutty taste; good shelf life for winter sales.	50 seeds	Untreated	028642NG
GELBER ZENTNER (GELE REUZEN)	125 days	Rambling	30 - 50 kg	Yellow fruits, netted skin, very large, delicious pumpkin with long tendrils.	50 seeds	Untreated	028538NG
RARITY F1	110 days	-	2 kg	Excellent pumpkin with good storage suitability. Blue-grey fruits with orange flesh.	50 seeds	Untreated	028232NG
ROUGE VIF D'ETAMPES	100 days	Rambling	6 - 15 kg	Roter Zentner type, flat and round, bright orange-red fruit, early, yellow-orange flesh.	50 seeds	Untreated	052001NG
<i>Cucurbita moschata</i>							
FUTSU BLACK	100 days	Rambling	0.7 - 1.5 kg	Orange-yellow flesh. Beautiful appearance and good storage suitability.	50 seeds	Untreated	028581NG



# Ornamental gourd



BABY BOO\*\*



LITTLE INDIAN MIX



TURBAN D'ALADIN



GOBLIN EGGS



JACK BE LITTLE\*\*



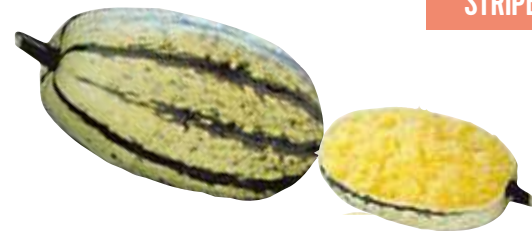
FESTIVAL F1



GALAXY OF STARS F1



GALEUSES MELPRO MIX



STRIPETTI F1

Varieties	Cultivation period (sowing to harvest)	Plant structure	Recommended no. of plants/10 m <sup>2</sup>	Characteristics	Min Qty	Product type	Item no.
BABY BOO**	95 days	Medium-strong rambling	10 - 12	Good storage suitability. Good flavour. Weight: approx. 100 - 200 g	50 seeds	Untreated	028528NG
JACK BE LITTLE**	95 days	Medium-strong rambling	10 - 12	Lovely mini squash, also called 'Pomarine'. Very decorative; chestnut flavour. Weight: approx. 100 - 200 g.	50 seeds	Untreated	028508NG
GOBLIN EGGS	80 days	Rambling	10 - 12	Egg-shaped, very colourful hybrid. Weight: approx. 80 g.	50 seeds	Untreated	028601NG
FESTIVAL F1	100 days	Compact	10 - 12	Attractive ribbed fruits, very uniform.	50 seeds	Untreated	028576NG
GALEUSES MELPRO MIX	100 days	Medium-strong rambling	10 - 12	More uniform and colourful selection than Geleuses Mix.	50 seeds	Untreated	028608NG
GRIFFE DU DIABLE	105 days	Rambling	10 - 12	Colourful selection. Also called the 'Ten Commandments' due to the 10 'fingers' on the sides of the fruit. In the Hild Programme under the name 'Kronenkürbis' ('Crown of Thorns').	50 seeds	Untreated	028502NG
INDIAN MIX	110 days	Rambling	10 - 12	Colourful mix of unusual fruits. Ideal variety for decoration.	50 seeds	Untreated	028551NG
GIRAUMON TURBAN	110 days	Rambling	7-8	Beautiful shape. Good storage suitability.	50 seeds	Untreated	028514NG
STRIPETTI F1	90 days	Medium-strong rambling	8-10	Oval spaghetti squash with attractive skin colour: yellow green with darker stripes and irregular textures; very uniform, dark yellow flesh.	50 seeds	Untreated	028579NG



MANDARIN



MINI RED TURBAN



GIRAUMON TURBAN



PÂTISSON STRIÉ MIX



KOSHARE YELLOW



GRIFFE DU DIABLE



POIRE À POUDRE (COBRA)



POIRES BICOLORES

Varieties	Cultivation period (sowing to harvest)	Plant structure	Recommended no. of plants/10 m <sup>2</sup>	Characteristics	Min Qty	Product type	Item no.
<b>KANKAKEE</b>	95-100 days	Rambling	12	Multi-coloured ornamental gourd mix with small fruits in varying shapes, intense colours, mainly warty, one of the loveliest decorative mixes. Weight: approx. 100 - 200 g.	50 seeds	Untreated	028720NG
<b>KOSHARE YELLOW</b>	100 days	Medium-strong rambling	10-12	Very uniform fruits. Keeps its colour well. Unusual.	50 seeds	Untreated	028609NG
<b>GALAXY OF STARS F1</b>	110 days	Rambling	10 - 12	Unusual mix of many star-shaped varieties.	50 seeds	Untreated	028611NG
<b>LITTLE INDIAN MIX</b>	110 days	Rambling	10-12	Selection of small, unusual fruits. Looks very good at point of sale.	50 seeds	Untreated	028578NG
<b>MANDARIN</b>	95 days	Rambling	10-12	Decorative yellow mini squashes, deeply ribbed with deep orange flesh, very aromatic and long shelf life; high yield per unit. Weight approx. 200 - 300 g.	50 seeds	Untreated	028721NG
<b>MINI RED TURBAN</b>	105 days	Medium-strong rambling	10-12	'Petit Giraumon' type, but red in colour and rosy-white centre.	50 seeds	Untreated	028530NG
<b>PÂTISSON STRIÉ MIX</b>	95 days	Very compact	10-12	Performs well against downy mildew. Good storage suitability after harvesting.	50 seeds	Untreated	028555NG
<b>POIRE À POUDRE (COBRA)</b>	120 days	Medium-strong rambling	10 - 12	Also called 'Swan's Neck'. Very decorative.	50 seeds	Untreated	028511NG
<b>POIRE BICOLORE</b>	100 days	Medium-strong rambling	10-12	'Cuillères' type, but shorter and wider.	50 seeds	Untreated	028535NG
<b>TURBAN D'ALADIN</b>	105 days	Medium-strong rambling	7-8	Giraumon Turban type, but smaller. Colourful.	50 seeds	Untreated	028529NG

# Pumpkin - Halloween



EARLY ABUNDANCE F1



CANNONBALL F1



EXPERT F1



WARTY GOBLIN



ASPEN F1



ATLANTIC GIANT



BABY BEAR



MOONSHINE F1

Varieties	Cultivation period (sowing to harvest)	Plant structure	Average weight	Characteristics	Min Qty	Product type	Item no.
<b>BABY BEAR</b>	105 days	Rambling	500 - 900 g	Flat, round, slightly ribbed, dark orange mini Halloween pumpkin; very high yield variety for culinary use and for carving.	50 seeds	Untreated	028545NG
<b>SWEET JACK F1</b>	100 days	Rambling	1 - 2 kg	Deep orange Halloween pumpkin with intense green stalk. Excellent as an autumn decoration, for carving or for consumption.	50 seeds	Untreated	028725NG
<b>CANNONBALL F1</b>	95 days	Rambling	2.5 kg	Midi Halloween pumpkin, attractive dark colour, round to tall and round shape, slightly ribbed; ideal for painting.	50 seeds	Untreated	028177NG
<b>EARLY ABUNDANCE F1</b>	100 days	Rambling	2.5 - 4 kg	Attractive, medium-sized Halloween pumpkin with thick stalk; for early harvesting from end of August.	50 seeds	Untreated	H28730NG
<b>TERRAFIN F1</b> ↓	90 days	Medium-strong rambling	3 - 4 kg	Attractive fruit, very uniform and of uniform size.	50 seeds	Untreated	028651NG
<b>NEON F1</b>	100 days	Rambling	4 - 5 kg	Quick-ripening, round Halloween hybrid; uniform, bright orange fruits with dark green stalk, one of the most attractive Halloween pumpkins.	50 seeds	Untreated	028724NG
<b>MOONSHINE F1</b>	110 days	Rambling	4 - 6 kg	Attractive, white Halloween pumpkin with strong dark green stalk; slightly ribbed uniform fruits; rambling.	50 seeds	Untreated	028723NG
<b>RACER F1</b>	95 days	Compact	4 - 7 kg	Short cultivation cycle. Should not be sown too early.	50 seeds	Treated	028544FG
<b>ASPEN F1</b>	110 days	Compact	5 - 7 kg	Very uniform and high yield. Dark orange fruit skin.	50 seeds	Untreated	028513NG
<b>EXPERT F1</b>	100 days	Rambling	8-10 kg	Tall, round Halloween pumpkin, very uniform, dark orange.	50 seeds	Untreated	028179NG
<b>WARTY GOBLIN</b>	100 days	Rambling	8-10 kg	Warty, very large Halloween pumpkin, very decorative.	50 seeds	Untreated	028180NG
<b>ATLANTIC GIANT</b>	125 days	Strong rambling habit	approx. 250 kg	Huge fruit. The official variety for competitions. World record 2021: 1,217.5 kg (Italy).	50 seeds	Untreated	028523NG

# Tomato

*Solanum lycopersicum L.*

## Indeterminate varieties

### Seed requirements:

5 g for 1,000 plants  
250-300 seeds/g

### Pre-cultivation:

8 to 12 weeks

### Germination:

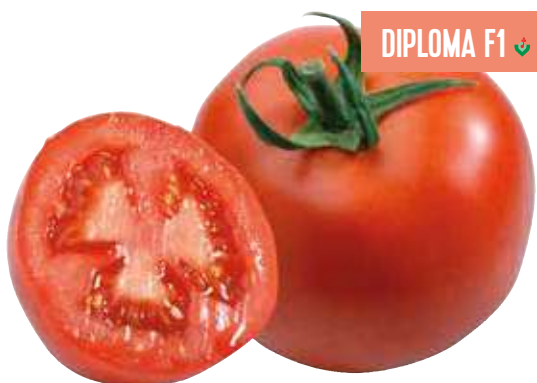
5-14 days at 25°C  
Growing temperature:  
15°C night temperature,  
ripening temperature 18-20°C daytime

### Cultivation period for a seedling:

6 to 8 weeks

### Planting density:

- 2-3 plants/m<sup>2</sup> under glass, i.e. 40-50 x 80-100 cm
- 1.8 - 2.5 plants/m<sup>2</sup> outdoors, i.e. 40-50 x 100-150 cm
- 1.2 to 1.5 plants/m<sup>2</sup> outdoors, unstaked, i.e. 50-60 x 140-180 cm



**DIPLOMA F1** 🌱

## Standard tomato



**BAUNA F1**



**PANNOVY F1**



**HILDARES F1** 🌱



**HELLFRUCHT TYPE HILMAR**® 🌱

Varieties	Harvest maturity	Shape	Average weight	Resistances	Characteristics	Use	Min Qty	Product type	Item no.
<b>HARZFEUER F1</b>	Very early		70-90 g	-	Favourite, early ripening round outdoor stake tomato, especially suitable for amateur growers, good flavour. Type: Hellfrucht. Approx. Ø mm: 50-65.	Outdoors, greenhouse	50 seeds	Untreated	056345NG
<b>HILDARES F1</b> 🌱	Very early		80 g	HR: Ff B-D	Very early variety for outdoors and protected cultivation with high yield potential. Hildares is a Hellfrucht type without any greenback. Very suitable for seedling resale. Approx. Ø mm: 65-70.	Outdoors, greenhouse	50 seeds	Untreated	056678NG
<b>PANNOVY F1</b>	Very early		80-90 g	HR: ToMV, Ff, Vd, Fol	Standard variety regarding taste and earliness; very uniform. Type: Hellfrucht.	Outdoors, greenhouse	50 seeds	Untreated	H56781NG
<b>DIPLOMA F1</b> 🌱	Very early		90 g	HR: Ff A-E, ToMV	Very early Hellfrucht type with uniform colouring and excellent flavour. High early and overall yields. Vigorous and open growth. Approx. Ø mm: 65-75.	Outdoors, greenhouse	50 seeds	Untreated	056045NG
<b>HELLFRUCHT TYPE HILMAR</b> ® 🌱	Early		80-100 g	-	Robust Hellfrucht type with high yields and firm, uniformly coloured fruits.	Outdoors	1 g	Untreated	056677NS
<b>BAUNA F1</b>	Early		90-100 g	HR: ToMV: 0-2, Ff: A-E, Va:0, Vd:0, Fol:0-2, For / IR, IR: TYLCV	Ideal variety for semi-professional cultivation. Very early and good fruit quality, high field tolerance against Phytophthora. Type: Hellfrucht.	Outdoors, greenhouse	50 seeds	Untreated	H56755NG



HAMLET F1 🍅



IZMIR F1



CINDEL F1









SERRAT F1 🍅



PHANTASIA F1



CRISTAL F1

Varieties	Harvest maturity	Shape	Average weight	Resistances	Characteristics	Use	Min Qty	Product type	Item no.
PHANTASIA F1	Early		90-105 g	HR: ToMV:0-1, Ff A-E, Vol:0,1, For/Fa:0, Vd:0 IR: Ma, Mi, Mj,Pi,On	Single-fruit tomato for soil cultivation, very robust against Phytophthora. Type: Hellfrucht. Approx. Ø mm: 57-67. Very healthy variety for amateur cultivation; firm, shiny red fruit; highly recommended for plant sale to amateur gardeners.	Outdoors, greenhouse	50 seeds	Untreated	H56685NG
HAMLET F1 🍅	Early		100 g	HR: Ff A-E, ToMV, Fol 0,1, Va, Vd IR: Ma, Mi, Mj	Very firm, round tomato for single-fruit harvesting. Uniform size fruit, good colour throughout. High yield, indeterminate growth. Ideal for seedling resale. Type: Hellfrucht. Approx. Ø mm: 55-65.	Outdoors, greenhouse	50 seeds	Untreated	056676NG
CRISTAL F1	Early		110-120 g	HR: ToMV, Ff, Va, Vd, Fol; IR: Ss	Aromatic fruits; their robustness makes them attractive for organic production. Type: Hellfrucht.	Outdoors, greenhouse	50 seeds	Untreated	H56090NG
IZMIR F1	Early		110-130 g	HR: ToMV, Ff, Va, Vd, Fol; IR: Ma, Mi, Mj	Early tomato for outdoors and greenhouse; open plant structure, good firm fruit even when fully ripe; ideal variety for plant sale. Type: Hellfrucht.	Outdoors, greenhouse	50 seeds	Untreated	H56769NG
CINDEL F1	Early		130 g	HR: ToMV, Va, Vd, Fol	Early variety for outdoors and under glass; very fast growing and early ripening; for foil tunnel cultivation. Type: Hellfrucht.	Outdoors, greenhouse	50 seeds	Untreated	H56012NG
SERRAT F1 🍅	Medium-early		110 g	HR: ToMV, Va,Vd, Fol 0, 1	Long-life tomato for vine or single fruit harvesting. Very good early and overall yields. Proven variety for seedling resale. Type: Vine tomato. Approx. Ø mm: 57-67.	Outdoors, greenhouse	50 seeds	Untreated	056690NG



BOLZANO F1







SACHER F1












KAKAO F1

### Special types and specialities

Varieties	Harvest maturity	Shape	Average weight	Resistances	Characteristics	Use	Min Qty	Product type	Item no.
 SACHER F1	Early		110-150 g	HR: ToMV, TYLCV, Vd, Fol; IR: Mi	Brown tomato with triple lycopene content; unique, aromatic taste with lower acidity; flesh is bright red and very durable. Suitable for soil or soilless cultivation.	Outdoors, greenhouse	50 seeds	Untreated	H56789NG
BOLZANO F1	Medium-early		90-100 g	HR: ToMV, Ff, Va, Vd, Fol, For	Orange tomato bred for taste; high carotene content; high yields; good fruit quality. Type: Hellfrucht.	Outdoors, greenhouse	50 seeds	Untreated	H56757NG
KAKAO F1	Medium-early		130-150 g	HR: ToMV, For	Very strong plant. Flat, round fruit. When ripe, the skin turns dark brown with a pronounced greenback. Good flavour. Good shelf life.	Outdoors, greenhouse	50 seeds	Untreated	056120NG

### Round beefsteak tomato

Varieties	Harvest maturity	Shape	Average weight	Resistances	Characteristics	Min Qty	Product type	Item no.
LEELOO F1 	Early		150 g	HR: ToMV, Fol O, I IR: Mi	Beautiful plant, interesting orange fruit, very uniform and tasty.	50 seeds	Untreated	056602NG
PINK WONDER F1 	Early		200 g	HR: Ff A-E, ToMV O, Va, Vd, Fol: O, I	Beefsteak tomato with very uniform crop. The pink fruit are slightly ribbed, juicy and very tasty. Type: Beefsteak tomato. Approx. Ø mm: 70-100.	50 seeds	Untreated	056383NG
FUJI PINK F1	Medium-early		180-200 g	HR: ToMV O-2, Vd(O), Fol O, I / IR: Mi	Firm pink fruit with sweet taste. Very vigorous plant. Excellent fruit quality. Indeterminate variety with unique, excellent aroma; flat, round, pink fruit with very sweet taste. For outdoor and greenhouse production.	50 seeds	Untreated	056270NG
 CARMELLO F1	Medium-early		180-220 g	HR: ToMV, Vd, Fol, Sbl IR: Ma	Robust variety for market gardeners and amateur growers; vigorous growth, very resistant to 50 seeds	50 seeds	Untreated	056008NG
COUNTRY TASTE F1 	Medium-early		250 g	HR: ToMV, Fol O, I, Va, Vd IR: Ma, Mi, Mj	Juicy beefsteak tomato with very large, dark red fruits, which remain easy to slice even when ripe. A tasty addition to your crops. For seedling resale. Approx. Ø mm: 70-100.	50 seeds	Untreated	056654NG

Round beefsteak tomato

COUNTRY TASTE F1



CARMELLO F1



LEELOO F1



PINK WONDER F1



Oxheart



RUGBY F1



Variety	Harvest maturity	Shape	Average weight	Resistances	Characteristics	Min Qty	Product type	Item no.
RUGBY F1	Early		150 g	HR; ToMV, Va O, Fd O, Fol O	Early elongated tomato variety. A red heart, firm and melting at the same time. Very unusual fruit in the shape of a pink heart. Very pleasant taste with firm flesh.	50 seeds	Untreated	056600NG



MARMALYSA F1\*

TYLCV



NOIRE DE CRIMEE



ARAWAK F1








MARMALINDO F1



RUGANTINO F1

## Ribbed fruit

Varieties	Harvest maturity	Shape	Average weight	Resistances	Characteristics	Min Qty	Product type	Item no.
MARMALINDO F1	Early		120-170 g	Ff (AE); Fol O (US1); ToMV (0,1,2); Er; Sie	Ribbed Marmadino type with wide-ranging resistance.	50 seeds	Untreated	H56776NG
RUGANTINO F1	Medium		150-180 g	HR: ToMV, Ff, Va, Vd, Fol, For, Sbl	Oxheart (Coeur de Boeuf), resistant to tomato leaf mould; protected cultivation; short, vigorous plant, strong fruit set; good taste and good shelf life. Greenhouse. Soilless.	50 seeds	Untreated	H56554NG
NOIRE DE CRIMEE	Medium-early		150-200 g	-	Purple, fleshy and tasty. Average early ripeness; an old variety of ribbed tomato. Its meaty flesh has an excellent flavour.	50 seeds	Untreated	056177NG
ARAWAK F1	Medium		200 g	HR: ToMV, Vd	Strongly ribbed fruit shape; high dry matter content, little juice and plenty of flesh; sweet and mealy, low acidity; should be harvested when light orange colour. Type: Oxheart. Outdoors. Greenhouse. Soilless.	50 seeds	Untreated	H56751NG
MARMALYSA F1* (GV 562338)	Medium		220-280 g	HR: ToMV(0-2), PF:A-E, Fol:O,1, Va(O), Vd(O) IR: TYLCV, TSWV, Ma, Mi, Mj	Beautiful Marmande type. Tender melting flesh with juice, stripes, thin skin and sweet. Brix value: 5.1. Plant of medium vigour, open structure with 4 fruits per panicle.	50 seeds	Untreated	056637NG





CASCAD E F1



MYRIAD E F1



FYPER F1



LUANA TY F1



**Elongated tomato**

Varieties	Harvest maturity	Shape	Average weight	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>Roma</b>								
<b>ORGANZA F1</b>	Medium		90-100 g	HR: Ff A-E, ToMV O-2, Fol O.1, For, Va, Vd / IR: On	Indeterminate plum tomato with intense orange fruits. Suitable for on the vine or single fruit harvesting (without calyx). Firm fruits with good taste and long storage life after harvesting. Approx. Ø mm: 40-50.	50 seeds	Untreated	H56684NG
<b>CASCAD E F1</b>	Medium		100 - 120 g	(HR) ToMV/Va/Vd/ Fol:O.1/For/Pf:A-E. (IR) Di/Mi/Md/On	Elongated Roma tomato for single harvesting, combining good fruit quality, productivity and resistance. Plant with very good fruit set and short internodes. Fruits of uniform shape and colour, without nipple stripes. For cold greenhouse cultivation.	100 seeds	Untreated	O56265NG
<b>FYPER F1</b>	Medium		100-110 g	HR: ToMV, Ff, Va, Vd, Fol IR: TYLCV, Mi	Roma tomato for loose harvest; with calyx and solid fruits. Outdoors. Greenhouse. Soilless.	50 seeds	Untreated	H56768NG
<b>MYRIAD E F1</b>	Medium		110-130 g	HR: ToMV:O-2/Va:O/ Vd:O/Fol:O.1/For/ Pf:A-E -- IR: M $\alpha$ /Mi/Mj	For loose harvest; very productive, balanced plant, good shelf life, consistent quality and fruit colour at the harvest period, suitable for soil and substrate cultivation.	100 seeds	Untreated	O56229ING
<b>LUANA TY F1</b>	Medium		140 g	HR: ToMV, Vd, Fol; IR: TYLCV	Strong, compact plant; very uniform fruits. Greenhouse. Soilless.	50 seeds	Untreated	O56775NG



AGRO F1



GIANO F1



CORNABEL F1



SEVIOCARD F1



OSCAR F1

## Elongated tomato (continued)

Varieties	Harvest maturity	Shape	Average weight	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>San Marzano</b>								
SEVIOCARD F1	Early		80-90 g	HR: ToMV, Ff, Vd, Fol, For, Ma	Not susceptible to tomato leaf mould or blossom end rot; generative plant and good yield potential. Outdoors. Greenhouse. Soilless.	50 seeds	Untreated	H5679ING
AGRO F1	Medium		90 g	HR: ToMV, Fol O, Va, Vd IR: Ma, Mi, Mj	Cylindrical, elongated fruits of the San Marzano type, indeterminate growth. Long harvesting window makes it suitable for harvesting at the semi-green or red stage of ripeness. Good shelf life. Approx. Ø mm: 30-40.	50 seeds	Untreated	056319NG
OSCAR F1	Early		90-100 g	HR: ToMV, Vd, Fol, For; IR: Sbl, Ma	Standard variety for amateur cultivation with very attractive fruit shape. Outdoors. Greenhouse.	50 seeds	Untreated	H56780NG
GIANO F1	Medium		100-120 g	HR: Vd (0), Fol 1, 2, ToMV	Produces 14 cm long fruits, 4 cm in diameter. Bright red colour when ripe. Firm flesh. Good shelf life. Very high tolerance against blossom end rot.	50 seeds	Untreated	056390NG
<b>Horned Andean</b>								
OR CORNO	Medium		110-130 g	-	Full-fleshed, seedless, horn-shaped speciality that complements your tomato assortment; very aromatic, use for salads and soup; fruit is similar to San Marzano. Outdoors. Greenhouse.	50 seeds	Untreated	056779NG
CORNABEL F1	Early		150-200 g	HR: Va (0), Vd(0), Fol O, 1	Very uniform fruit, good fruit set, fleshy fruit with little juice.	50 seeds	Untreated	056350NG



CAMPARI F1



CLOTO F1



BOMBONERA F1



RONEY F1



YONEY F1

### Round vine tomato (cocktail)

Varieties	Harvest maturity	Shape	Average weight	Resistances	Characteristics	Min Qty	Product type	Item no.
CAMPARI F1	Medium		50-60 g	HR: ToMV, Va, Vd, Fol, For; IR: Ma, Mi, Mj	Attractive tomato, marketed as 'Tasty Tom'; excellent taste. Outdoors. Greenhouse. Soiless.	50 seeds	Untreated	H56432NG
CLOTO F1	Medium		50-60 g	HR: ToMV, Va, Vd, Fol IR: TYLCV	Large vine/cocktail tomato with a diameter of 45-50 mm, very burst-resistant, vigorous with very good flower formation, for early harvest. Greenhouse. Soiless.	50 seeds	Untreated	056760NG

### Special types and specialities

Varieties	Harvest maturity	Shape	Average weight	Use	Resistances	Characteristics	Min Qty	Product type	Item no.
RONEY F1	Medium		10-15 g	Loose	IR:TomV	Compact seedling, short internodes, taste like honey, Brix value 9; especially suitable for amateur and semi-professional cultivation. Type: Honey. Outdoors. Greenhouse.	50 seeds	Untreated	H56788NG
YONEY F1	Medium		10-15 g	Loose	IR:TomV	Compact seedling, short internodes, taste like honey, Brix value 9; especially suitable for amateur and semi-professional cultivation. Type: Honey. Outdoors. Greenhouse.	50 seeds	Untreated	H56796NG
BOMBONERA F1	Medium		40-50 g	Loose	HR: ToMV, TYLCV, Vd, Fol, Ma / IR: Mi	Brown cocktail tomato with dark interior and very high lycopene content. Very good flavour	50 seeds	Untreated	H56758NG



### Round cocktail and cherry tomato

Varieties	Harvest maturity	Shape	Average weight	Use	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>GOLDEN PEARL F1</b>	Very early	🟡	13-18g	Loose	HR: ToMV O, Fol O	Yellow cherry tomato with outstanding very sweet taste. Burst-resistant fruit for single fruit harvest. Very suitable for seedling resale. Approx. Ø mm: 25-30.	50 seeds	Untreated	056675NG
<b>ONUBA F1</b>	Medium	🟠	14-18g	Loose	HR: Ff A-E, Fol O-1, US1-2, V a/d, ToMV O-2, For / IR: Ma, Mi, Mj	Cherry tomato in orange-red with excellent flavour. The crispness of the fruit is a real delight. Greenhouse. Soilless.	50 seeds	Untreated	H56778NG
<b>SUNGOLD F1</b> 🍷	Medium	🟡	15g	Vine/Loose	HR: ToMV, Fol I	Very sweet fruit. Vigorous and very high-yield plant.	50 seeds	Untreated	056174NG
<b>SAKURA F1</b>	Early	🔴	15-18 g	Loose	HR: ToMV, Ff, Fol IR: Mi, Mj, Si	Deep red fruits with very good flavour.	50 seeds	Untreated	H56147NG
<b>TROPICAL F1</b>	Medium	🔴	15-20g	Vine/Loose	HR: Ff A-E, ToMV, Fol O,1 IR: Ma, Mi, Mj	Excellent dark red cherry tomato for on the vine harvesting. Outstanding presentation of the burst-resistant fruits on the vine. Single fruit harvest also possible. Excellent flavour. Approx. Ø mm: 30.	50 seeds	Untreated	H56695NG
<b>PHILOVITA F1</b>	Early	🔴	15-20g	Loose	HR: ToMV, Ff, Fol, For, Si; IR: PI	Healthy variety for sale to amateur gardeners; Phytophthora-resistant, excellent taste, high sugar content; vigorous plant; for plant sales to amateur gardeners. Outdoors, greenhouse, soilless.	50 seeds	Untreated	H56782NG
<b>PREZIOSO F1</b>	Medium	🔴	15-20g	Vine	HR: ToMV, Va, Vd, Fol IR: Ma, Mi, Mj	Professional vine/cocktail tomato with a great flavour; very open plant structure, optimal vine bears 12 fruits.	50 seeds	Untreated	056785NG

SUPERSWEET 100 F1



NIGHTSHADE F1



READY F1



LIMETTO F1



BLACK CHERRY



SUNCHOCOLA F1



Varieties	Harvest maturity	Shape	Average weight	Use	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>SUPERSWEET 100 F1</b>	Medium		18-20g	Loose	HR: Va, Vd, Fol I	Cherry tomato with numerous vines bearing many fruits. Very sweet taste. Supersweet 100 is very suitable for seedling resale. Approx. Ø mm: 25-30. Standard variety for amateur gardeners. Outdoors. Greenhouse.	50 seeds	Untreated	056028NG
<b>NIGHTSHADE F1</b>	Medium late		20 g	Loose	HR: ToMV, Ff, IR: Fol, On, Mi	Oval snacking tomatoes with very good fruit set; ripeness level shown by orange star at the fruit calyx; a great addition for direct sales such as plant sales.	50 seeds	Untreated	H56777NG
<b>READY F1</b>	Very early		20g	Vine/Loose	HR: Pf A-E, ToMV, Va, Vd, Fol: O.1 IR: Ma, Mi, Mj, TYLCV	Early ripening, bright red cherry tomato. Above average Brix value. Suitable as a vine tomato or for single fruit harvest. Plant with vigorous, indeterminate growth. Approx. Ø mm: 30.	50 seeds	Untreated	056656NG
<b>LIMETTO F1</b>	Early		20-25g	Loose	-	This light green cherry tomato does not just provide a new colour accent; in terms of taste it also combines a subtle sweetness with a fruity lemon aroma. Ripe fruit can be identified by their slight shine. Approx. Ø mm: 25-30.	50 seeds	Untreated	056679NG
<b>STAR GOLD F1</b>	Early		20-25 g	Loose	HR: ToMV, Fol	Exceptionally good taste, very resistant to bursting, very good for marketing on the vine due to the herringbone arrangement of the fruit.	50 seeds	Untreated	056282NG
<b>SUNCHOCOLA F1</b>	Medium		20-30g	Vine	HR: ToMV	Brown-skinned cocktail/cherry tomato for growing in heated and unheated greenhouse; has 3 times the lycopene content of standard tomatoes and lower fruit acid levels.	50 seeds	Untreated	056793NG
<b>BLACK CHERRY</b>	Medium		30g	Loose	-	Small, round, very aromatic fruits, 3-4 cm diameter, turn mahogany red colour when ripe.	250 seeds	Untreated	056286NG



BAMBELO F1



COLLINA F1



FORTUNATO F1



FUNTELLE F1



MONTERREY F1



NUGGET F1



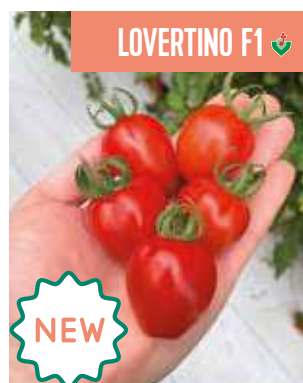
RAVELLO F1

## Elongated cherry tomato

Varieties	Harvest maturity	Shape	Average weight	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>FUNTELLE F1</b>	Early		10-12 g	HR: ToMV, Ff, On, IR: Ma, Mi, Mj	Date tomato for loose harvest; burst-resistant with delicate taste. Not prone to against bursting, 8-12 fruits on one vine. Attractive size for the consumer, uniform shape over the entire season.	50 seeds	Untreated	H56767NG
<b>COLLINA F1</b>	Medium		12-16g	HR: Vd, Fol IR: TSWV, TYLCV	Date tomato for bulk harvesting. The perfect compromise between taste and yield, tolerant against TSWV viruses. Very aromatic variety, up to 16 fruits per vine, very reliable fruit formation. Type: Pear. Greenhouse. Soilless.	50 seeds	Untreated	056635NG
<b>MONTERREY F1</b>	Very early		12-16g	HR: ToMV, Fol O,1,2, Va, Vd	Delicious mini date tomato. Firm, burst-resistant fruits with excellent shelf life after harvesting. High-yield variety for single fruit harvest. Indeterminate, open growth. Type: Date tomato. Approx. Ø mm: 25-30.	50 seeds	Untreated	056655NG
<b>BAMBELO F1</b>	Very early		20 g	HR: Fol:O (US I)	Mini San Marzano. Easy to handle plant type; open plant, lots of fruits on the vine; for loose harvesting; not prone to bursting; excellent taste.	50 seeds	Untreated	H56754NG
<b>(US 1509) KAJSA SWEET F1</b>	Early		20-24 g	HR: ToMV, Fol, IR: Mi	Generative variety, excellent taste. Brix value up to 9. Product range expansion in the orange segment.	50 seeds	Untreated	H56771NG
<b>NUGGET F1</b>	Medium		21g	HR: ToMV O, Fol O,1, For	Yellow gold date tomato. Robust against bursting and blossom end rot. Its colour is a good addition to the snack tomato segment. Good balance of sweet and sour. Type: Date tomato. Approx. Ø mm: 30-35.	50 seeds	Untreated	056682NG
<b>RAVELLO F1</b>	Medium		25g	HR: ToMV, Fol O, For, Va, Vd, Pst IR: Ma, Mi, Mj, Si	Very early mini San Marzano tomato with excellent fruity taste. Resistant to bursting and blossom end rot; slender plant structure. Very suitable for seedling resale. Type: San Marzano. Approx. Ø mm: 20-30.	50 seeds	Untreated	056687NG
<b>FORTUNATO F1</b>	Very early		25-35g	HR: Ff A-E, ToMV, ToTV, Va, Vd, Fol: O,1; IR: Ma, Mi, Mj, TYLCV	Deep red, very attractive date tomato of Saladette type. Fortunato forms around 16-18 fruit per vine. Vine has very good storage life after harvesting. Calyx leaves stay green for a long time. Open, compact, indeterminate growth. Type: Date tomato. Approx. Ø mm: 30-35.	50 seeds	Untreated	056674NG



EDIOSO F1



LOVERTINO F1

NEW



CHOCO SWEETY F1



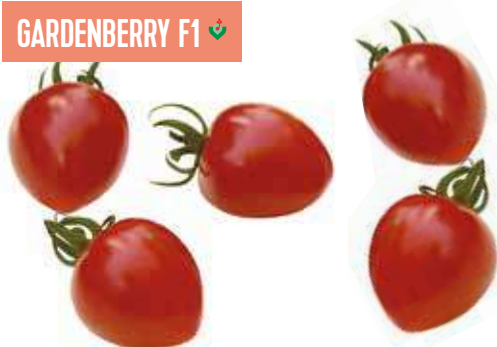
DUNNE F1



LIMONCITO F1

GARDENBERRY F1

NEW



SKATE F1



CRISPINO PLUM F1




UMAMINI F1 (US 1510)

Varieties	Harvest maturity	Shape	Average weight	Resistances	Characteristics	Min Qty	Product type	Item no.
LIMONCITO F1	Very early		15-22g	HR: ToMV, Fol	Yellow mini plum tomato with long storage life; for loose harvest and vine harvest; only for greenhouse cultivation; Brix value 9. Type: Cherry oval. Greenhouse. Soilless.	50 seeds	Untreated	H56774NG
SKATE F1	Early		18-22g	HR: ToMV, Vd, Fol	Very sweet yellow vine tomato with vigorous growth, for early harvesting. Type: Cherry oval. Outdoors. Greenhouse. Soilless.	50 seeds	Untreated	O56792NG
CHOCO SWEETY F1 (ST 7742)	Early		20 g	HR: TomV, Ff, Va, Mi	Get an interesting new variety - a standard type with attractive fruit shape and colour; adds colour and a new fruit shape to the mixed tomato bowl.	50 seeds	Untreated	H56759NG
DUNNE F1	Very early		20-25g	HR: ToMV, Fol IR: Ma	Top product in taste and quality, little blossom end rot and high turnover per m <sup>2</sup> ; very early start to harvest. Type: Mini San Marzano. Fruit colour: red. Outdoors. Greenhouse. Soilless.	50 seeds	Untreated	H56765NG

### Special types and specialties

UMAMINI F1 (US 1510)	Early		15-20g	IR: TomV	The Japanese term 'umami' refers to a taste other than the usual four flavours - sweet, salty, sour and bitter. Umami is particularly common in foods rich in protein; the flavour is described as intense, hearty and fleshy. The variety has a very high Brix value up to 11. Type: Umami type. Outdoors. Greenhouse.	50 seeds	Untreated	H56795NG
LOVERTINO F1	Medium		20-25 g	HR: ToMV O-2, Fol O,I	Cherry tomato in the shape of a sweet. Sweet taste. Ideal for harvesting in bowls or loose.	50 seeds	Untreated	O56683NG
EDIOSO F1	Very early		20-25 g	HR: Ff, Fol, IR: Ma, Mi, Mj	Mini Marmande. Shiny fruit, very high yield with double vines; suitable for single fruit and vine harvest; perfect in a mixed pack.	50 seeds	Untreated	H56766NG
GARDENBERRY F1	Early		20-30 g	HR: ToMV	Unique, strawberry-like fruit shape. Dark red, very shiny and very sugary fruit. Suitable for cultivation in unheated greenhouse. The ripe fruits are harvested individually.	50 seeds	Untreated	O56371NG
CRISPINO PLUM F1	Very early		35-40g	HR: ToMV, Vd, Fol IR: Ma, Mi, Mj	Cherry plum tomato with green striping and pointed oval shape; compact, vigorous growth; harvest as single fruit or on the vine; high lycopene content. Type: Mini plum. Outdoors. Greenhouse. Soilless.	50 seeds	Untreated	O56762NG



## Balcony tomato

Variety	Harvest maturity	Shape	Average weight	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>KAPONET F1</b>	Medium		180g	HR: ToMV; Ff; Vd; Fol; Ma; Mi; Mj	Determinate bush tomato with very good flavour and a wide resistance package; also ideal for large pots/hanging baskets.	50 seeds	Untreated	H56772NG



## Determinate varieties



Variety	Harvest maturity	Shape	Average weight	Resistances	Characteristics	Min Qty	Product type	Item no.
 <b>YELLOW DONUT (GV 563037)</b>	Medium-early		160-180 g	-	Round tomato with intense yellow colour. Very uniform size and calibre. Excellent flavour; juicy and very sweet flesh. Ideal variety for diversifying with low production costs.	50 seeds	Untreated	O56805NG

# Tomato - Rootstock

*Solanum lycopersicum L.*



Varieties	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>ARNOLD F1</b>	HR: ToMV, Ff, Vd, Fol; IR: Mi, PI	Good for combining with a vegetative variety; high percentage of usable plants.	50 seeds	Untreated	H56749NG
<b>BEAUFORT F1</b>	HR: ToMV, Va, Vd, Fol; For, Ma, Mi, Mj, PI	Well known rootstock for tomatoes and eggplants with excellent growing power.	50 seeds	Untreated	H56162NG
<b>SPIRIT F1</b>	HR: Va, Vd, Fol O.I, ToMV, For, Pst; IR: Ma, Mi, Mj, PI.	Spirit stands out with its good germination capabilities and excellent uniformity when sprouting. It has vigorous growth, guaranteeing good development of the whole plant. Suitable for the grafting of ToMV-resistant tomato varieties and eggplants. Can be used in substrate and soil cultivation.	50 seeds	Untreated	H56176NV





HERBS

HERB PLANTS

MICROGREENS

LEGUMES

FRUIT VEGETABLES

CROCIPOUS VEGETABLES

LEAF VEGETABLES

ROOT VEGETABLES

SWEET POTATO PLANTS

SWEET CORN

BULB VEGETABLES

BUILD VEG. SEEDLINGS

PRODUCT RANGE EXPANSION

# Zucchini

*Cucurbita pepo L.*

**Sowing:**  
March to July

**Seed requirements:**  
200 g for 1,000 plants  
6-8 seeds/g

**Pre-cultivation:**  
2 to 3 weeks

**Germination:**  
3 to 8 days  
18°C minimum soil temperature



**Planting density:**  
100 to 200 cm between rows  
40 to 60 cm in a row,  
i.e. 8,000-13,000 plants/ha

**Fertilisation (u /ha):**  
N = 50-80  
P = 100-150  
K = 150-200



## RHODES F1

Main variety in all cultivation areas and for all sets



## NAXOS F1



## PICASSO F1 (GV28820)



## MILOS F1



## LOGOS F1



## PATMOS F1

### Green cylindrical varieties

Varieties	Maturity	Colour	Resistances	Type of cultivation	Characteristics	Min Qty	Product type	Item no.
LOGOS F1	Very early	Dark green	IR: Px/WMV/ ZYMV	^	Very beautiful fruit for the first crop in tunnel or mini-tunnel with a high early yield.	50 seeds	Untreated	H28185NG
RHODES F1	Very early	Dark green, shiny	IR: CMV, WMV, ZYMV, Gc, Px	—	Main variety, high uniformity, slight mottling, easy to harvest therefore very cost-efficient.	50 seeds	Untreated	H28190NG
							Treated	H28190FG
NAXOS F1	Early	Dark green	IR: CMV, WMV, ZYMV, Gc, Px	—	For second to third set; very high yield; healthy plant structure, high percentage of grade 1; good shelf life after harvesting.	50 seeds	Untreated	H28186NG
PATMOS F1	Early	Medium to dark green	IR: CMV, WMV, ZYMV, Gc, Px	—	Multi-resistant variety, very open plant structure so easy to harvest; especially recommended for the second and third sets; slightly shorter fruits than Rhodes; drip irrigation and liquid fertilisation throughout the entire growing period increases the crop reliability and significantly increases the yields.	50 seeds	Untreated	H28189NG
MILOS F1	Medium	Dark green, shiny	IR: CMV, WMV, ZYMV, Gc, Px	—	Compact size, for the last set, luminous shine, dark green colour with light mottling; compact growth easy and quick to harvest; very suitable for organic cultivation.	50 seeds	Untreated	H28165NG
							Treated	H28165FG
PICASSO F1 (GV28820)	Medium	Dark green	IR: Px, Gc, CMV, WMV 1-2, ZYMV	—	Open, upright plant, short internodes, small leaves; very generative, uniform shape; large, dark fruit - Cultivation: Outdoors, summer	50 seeds	Untreated	O28238NG



## Green cylindrical varieties



CARAVAGGIO F1



DIAMANT F1



TIZIANO F1\*

## Pot and balcony zucchini



PATIO STAR F1

Varieties	Maturity	Colour	Resistances	Type of cultivation	Characteristics	Min Qty	Product type	Item no.
<b>Green cylindrical varieties (continued)</b>								
<b>PARTHENON F1</b>	Very early	Medium to dark green	-	Λ	Parthenocarpic variety for spring cultivation (pollination possible without insects); very beautiful, shiny medium to dark green fruit. In our trial, the early and overall yields were very convincing, even under stress conditions.	50 seeds	Untreated	H28055NG
<b>CARAVAGGIO F1</b>	Early	Dark green, shiny	IR: CMV, ZYMV, WMV, Px	Λ —	It has a uniform cylindrical shape and the fruit are a beautiful shiny dark green colour. It is a benchmark for high quality in presentation. With its medium growing power, it is suitable for growing from mid-March under cover and outdoors for the start of the season. It is also suitable for growing in the late season outdoors and under glass.	50 seeds	Untreated	028661NG
<b>ZEFIROS F1</b>	Medium	Dark green, shiny	IR: CMV, WMV, ZYMV, Gc, Px, PRSV	—	Four-fold virus resistance; open upright plant; easy to harvest (caution regarding separation!), making it very cost-efficient in terms of labour. For the second and third set in summer cultivation.	50 seeds	Untreated Treated	H28193NG H28193FG
<b>DIAMANT F1</b>	Medium	Dark green	HR: Px, CVYV, Cca / IR: CMV	—	Well-known variety for amateur gardeners; high yield together with early ripening.	250 seeds	Untreated	028001NG
<b>TIZIANO F1*</b>	Medium	Dark green	IR: CMV, ZYMV, WMV, Gc, Px	—	Open growth, short internodes, easy to harvest. Generative plant. For outdoors production	50 seeds	Untreated	028166NG
<b>GREEN TIGER F1</b>	Medium	Dark green, striped	IR : ZYMV, WMV 2	—	Cylindrical, dark green fruit, with light green stripes.	50 seeds	Untreated	H28157NG
<b>Pot and balcony zucchini</b>								
<b>PATIO STAR F1</b>	Very early	Dark green	-	—	A very compact zucchini plant that is perfect for containers and pots; cylindrical fruit shape.	50 seeds	Untreated	H28188NG



GOLDEN GLORY F1






LINGODOR F1



SUNSTRIPE F1

### Yellow cylindrical varieties

Varieties	Maturity	Colour	Resistances	Type of cultivation	Characteristics	Min Qty	Product type	Item no.
<b>GOLDEN GLORY F1</b>	Very early		IR: WMV, ZYMV	—	Professional variety, open growth, good addition to the special range, successor to Golden Delight.	50 seeds	Untreated	H28183NG
<b>SUNSTRIPE F1</b>	Early		-	—	Wonderful vivid golden yellow striped fruits.	50 seeds	Untreated	H28192NG
<b>LINGODOR F1</b>	Medium-early		IR :ZYMV, WMV.CMV, PRSV.Px	n —	Vigorous and productive plant, fruit have long shelf-life after harvesting. Length (cm): 18-20.	50 seeds	Untreated	O28175NG



MAJESTEE F1



GREYZINI F1







FLAMINIO F1



BLACK FOREST F1

### Other cylindrical varieties

Varieties	Harvest maturity	Fruit		Resistances	Type of cultivation	Characteristics	Min Qty	Product type	Item no.
		Colour	Length (cm)						
<b>GREYZINI F1</b>	Early		14-16	IR: Px, ZYMV	n —	Greyzini type, for every cultivation type. Very high yield.	50 seeds	Untreated	O28075NS
<b>MAJESTEE F1</b>	Early		14-16	IR: Px, ZYMV, CMV	n —	Fairly compact and upright plant with short internodes. Fruits are easy to reach, making harvesting simpler. Shiny, uniform, straight fruit. Good shelf life after harvest.	50 seeds	Untreated	O28710NG
<b>BLACK FOREST F1</b>	Early		12-15	-	Λ —	Climbing zucchini for amateur cultivation with short fruits; good regeneration; also for outdoor and greenhouse cultivation.	50 seeds	Untreated	H28181NG
<b>FLAMINIO F1</b>	Medium-early		14-16	-	n —	Medium-early variety of the 'Romanesco' type; suitable for harvest of male flowers.	50 seeds	Untreated	O28161NG



SUN BALL F1



LUNEOR F1



EIGHT BALL F1



ICE BALL F1



CAPRICE F1



ORTEGA (GV 28795) F1

## Round varieties

Varieties	Maturity	Colour	Resistances	Type of cultivation	Characteristics	Min Qty	Product type	Item no.
EIGHT BALL F1	Very early		-	n —	Round, very uniform fruits. Excellent flavour. Looks good at point of sale.	50 seeds	Untreated	028034NG
ICE BALL F1	Early		-	n —	Very uniform fruits. Very high yield.	50 seeds	Untreated	028072NG
LUNEOR F1	Early		IR: ZYMV, WMV, CMV, Px	n —	Upright, loose plant. High yield.	50 seeds	Untreated	028149NG
SUN BALL F1	Early		-	n —	Brings some originality into your range. Very uniform.	50 seeds	Untreated	028140NG
ORTEGA (GV 28795) F1	Medium-early		IR: WMV, ZYMV, CMV	n —	Vigorous, between short nodes, very generative. Round and uniform. Lovely light green colour: low susceptibility to apical necrosis.	50 seeds	Untreated	028732NG
CAPRICE F1	Medium-early		IR: CMV, Gc, Px, WMV, ZYMV	∧ —	Round zucchini for all sets, very vigorous growth in many locations, very attractive product for gastronomy, harvest size 5-10 cm diameter.	50 seeds	Untreated	H28182NG

# Cruciferous vegetables

06

Maximum variety and innovation to meet your every need. One of the most diverse plant species in the world! For VOLTZ MARAÎCHAGE, there's no way we would not want to take advantage of this diversity. Our teams work on your behalf, selecting the best genetics in every species and type. And at the end, we present you with an entire range. And an offering tailor-made for your capacity. Our criteria for selection are very stringent - We only select varieties that, in production, meet consumers' expectations and enable you to match this in your production. For the consumer, they offer a wide variety of shapes, colours and flavours in all variations. For you, as a producer, they ensure the right yield and resistance to pathogens.



# Broccoli

*Brassica oleracea botrytis var. italica L.*



**GONGGA F1\***



**Sowing:**  
November - early July

**Seed requirements:**  
6 to 8 g for 1,000 plants  
350 seeds/g

**Pre-cultivation:**  
4 - 7 weeks

**Germination:**  
6-10 days



**Planting density:**  
20,000 - 30,000 plants/ha

**Fertilisation (u/ha):**  
**N** = 200-250 **P** = 150-200 **K** = 200-300

Caution: Risk of boron, manganese and magnesium deficiency. Apply the nitrogen in stages. Harvest the closed heads (before flowering) and place them immediately in the cold room.

**MAURICIUS F1\***



**MATSURI F1\***



**MARATHON F1**



**GONGGA F1**



Development time from planting, in days

75 - 85 days

**Head**  
Seed size Weight

Fine 500 g

CMS

-

Characteristics

Clubroot-resistant, fungiform, dark green broccoli with secure marketing weight and good storage life after harvesting

Min Qty

2,500 precision

Product type

Treated

Item no.

H21057FK

**MAURICIUS F1\***



80 days

Fine 400 g

-

Large, dense head. Vigorous, robust plant and easy to harvest. Stable against bacteria. Fresh food market and industry.

500 precision

Untreated

O21044NK

**MATSURI F1\***



85 days

Fine - medium coarse 520-650 g

-

Domed head, very compact and fine-grained. Vigorous plant, very upright. High yield potential. Easy to harvest.

2,500 precision

Untreated

O21043NK

**MARATHON F1**



85 days

Fine - medium coarse 350-400 g

-

Good tolerance against bacterial rot.

1,000 pilled seed

Untreated

O21009NE

2,500 precision

Untreated

O21009NK



NAXOS F1



BESTY F1



IRONMAN F1



MONCLANO F1



MONTOP F1

Varieties	Production calendar	Development time from planting, in days	Head		CMS	Characteristics	Min Qty	Product type	Item no.
			Seed size	Weight					
							2,500 precision	Untreated	021009NK
<b>BESTY F1</b>	J F M A M J J A S O N D —	70 days	Fine	500-600 g	-	Beautiful dense fine-grained head; adapts well to stress conditions, beautiful head structure. Recommended planting density per 1,000 ha: 25-40. Colour: blue-green.	2,500 precision	Untreated	H21017NK
<b>NAXOS F1</b>	J F M A M J J A S O N D —	85 days	Fine	400-600 g	-	Vigorous plant with very good heat tolerance.	2,500 precision	Untreated	021005NK
<b>IRONMAN F1</b>	J F M A M J J A S O N D —	65-85 days	Medium-fine	500-600 g	-	Standard variety for year-round cultivation; good heat tolerance; dark green, noticeably domed head; quick harvest possible, thus decreasing harvest cost. Recommended planting density per 1,000 ha: 35-40. Colour: dark green.	2,500 precision	Untreated	H21026NK
<b>MONTOP F1</b>	J F M A M J J A S O N D —	60-65 days	Medium-fine	450-600 g	Free	Autumn variety; tall, round head; no planting before 15 May; good head weight. Recommended planting density per 1,000 ha: 25-40. Colour: blue-green.	2,500 precision	Untreated	H21048NK
<b>MONCLANO F1</b>	J F M A M J J A S O N D —	85 days	Medium-fine	500-600 g	-	First clubroot-resistant variety on the market; strong plant base (root system and stem); high yield; fine-grained head. Recommended planting density per 1,000 ha: 30-40. Colour: dark green. Resistances: HR: Pb.	2,500 precision	Untreated	H21038NK

Planting

The above information is provided for informational purposes only and is not a guarantee

The Guide for Vegetable Growers

**VOLTZ**  
MARAICHAGE



# Brussels sprouts

*Brassica oleracea L. var bulbata gemmifera*

IGOR F1



**Sowing:**  
April - May

**Seed requirements:**  
600 - 700 seeds/g

**Pre-cultivation:**  
4-8 weeks

**Germination:**  
6-10 days

**Planting density:**  
40 to 65 x 60 cm i.e.  
23,000 to 40,000 plants/ha

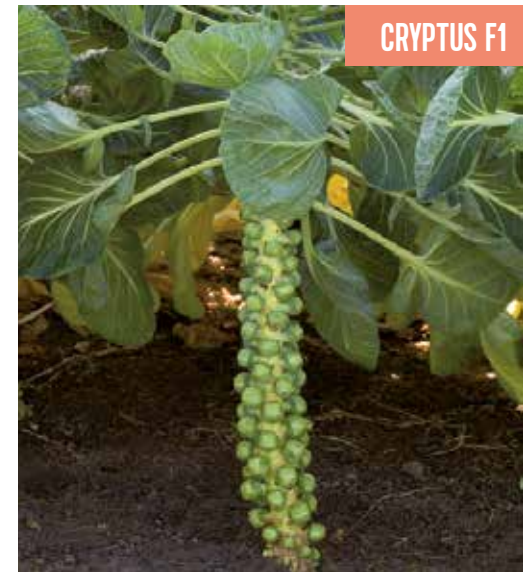
**Fertilisation (u/ha):**  
**N** = 230 **P** = 150 - 200 **K** = 200-350  
Nitrogen should be applied in stages throughout the entire cultivation period. Caution: Risk of boron deficiency.



CYRUS F1



CRYPTUS F1



MAXIMUS F1



CRISPUS F1



Varieties	Production calendar	Development time from planting, in days	Colour	CMS	Characteristics	Min Qty	Product type	Item no.
CYRUS F1	J F M A M J J A S O N D	160	Dark green	-	Versatile to use. For early harvesting of beautiful sprouts.	2,500 precision	Treated	H18006FK
							Untreated	H18006NK
MAXIMUS F1	J F M A M J J A S O N D	160	Dark green	Free	Universal variety for all cultivation locations for manual and mechanical harvesting, long harvesting window. Pilled seed for pots. Sowing from: 15.1. Field durability: good.	2,500 precision	Untreated	H18039NK
CRISPUS F1	J F M A M J J A S O N D	160	Dark green	-	Very good flavour. <b>clubroot-resistant</b> Maximus type, very good field durability. Sowing from: 15.1. Field durability: very good. Resistances: HR: Pb.	2,500 precision	Untreated	H18036NK
							Treated	H18036FK
IGOR F1	J F M A M J J A S O N D	200	Dark green	-	Medium-late variety with high yield. Vigorous growth, approx. height 80cm, very stable. The buttons are dark green, smooth and of uniform quality from top to base. Healthy with very good frost-resistance. For manual and mechanical harvesting.	1,000 pilled seed	Untreated	O18017NE
						100 seeds	Untreated	O18017NG
						500 precision	Untreated	O18017NK
CRYPTUS F1	J F M A M J J A S O N D	190	Dark green	-	Successor variety to Cronus; smooth, dark green buttons, good storage life. Sowing from: 25.2. Field durability: very good. Resistances: HR: Pb.	2,500 precision	Treated	H18047FK



ALBARUS F1



MARTINUS F1



RED BULL F1



## COOKING TIP

For those who like something new and want to offer their customers a different fast-cooking mini-sprout. Can be eaten steamed, fried, boiled or blanched.



AUTUMN STAR F1

Varieties	Production calendar	Development time from planting, in days	Colour	CMS	Characteristics	Min Qty	Product type	Item no.
ALBARUS F1	J F M A M J J A S O N D — — — — — — — — — — — —	210	Dark green	-	Late variety with good field durability and good frost-resistance. Sowing from: 15.2. Field durability: good.	2,500 precision	Untreated	H18044NK
MARTINUS F1	J F M A M J J A S O N D — — — — — — — — — — — —	200	Dark green	-	Vigorous, stable plant; very high yield potential; firm, perfect dark green buttons. Sowing from: 25.1. Field durability: very good.	2,500 precision	Untreated Treated	H18048NK H18048FK
RED BULL F1	J F M A M J J A S O N D — — — — — — — — — — — —	180	Red-purple	Free	Red/purple Brussels sprouts to increase your range; good colouring after cold weather. Sowing from: 15.1. Field durability: medium.	2,500 precision	Untreated	H18049NK
<b>Other varieties</b>								
AUTUMN STAR F1	J F M A M J J A S O N D — — — — — — — — — — — —	140-160	Violet-green	-	Specially bred as a sprout cabbage; small green and lilac coloured buttons with open, wavy leaves sprouting all along the stalk; a cross between a Brussels sprout and British kale (kalettes®). Sowing from: 25.2. Field durability: medium.	500 precision	Untreated	H18001NK

— Planting — Harvest

The above information is provided for informational purposes only and is not a guarantee The Guide for Vegetable Growers

# Cauliflower

*Brassica oleracea convar botrytis L.*

**Sowing:**  
November - July

**Seed requirements:**  
6 to 8 g for 1,000 plants.  
1.5 g/m<sup>2</sup> in seedling production  
250 seeds/g

**Pre-cultivation:**  
4 - 7 weeks

**Germination:**  
6-10 days



**Planting density:**

12,000 to 30,000 plants/ha  
Set cultivation recommended  
(approx. 4 weeks)

**Fertilisation (u/ha):**  
**N** = 150-250 **P** = 80-150 **K** =  
200-300 Caution: Risk of boron and  
molybdenum deficiency.



CLARINA F1



GUIDELINE F1



NECKARPERLE



CLEOZIL F1



FREEDOM F1

## White cauliflower

Varieties	Production calendar	Cycle planting harvest	CMS	Characteristics	Min Qty	Product type	Item no.
BERING F1	J F M A M J J A S O N D —	62-66 days	-	White, for fresh food market; early variety for the first cultivation set; healthy, robust plants. Recommended planting density per 1,000 ha: 30-35. Curd cover: good.	2,500 precision	Untreated	HI6180NK
FREEDOM F1	J F M A M J J A S O N D —	69-89 days	-	Robust variety, excellent vernalisation behaviour even in extreme conditions. Medium-fast summer cauliflower. Very good self-covering. White/cream, for processing and the fresh food market; secure curd formation, first-class quality; high stress tolerance and good reliability even in summer. Recommended planting density per 1,000 ha: 30-35. Curd cover: medium.	2,500 precision	Untreated	HI6007NK
NECKARPERLE	J F M A M J J A S O N D —	70 days	Free	Domed, fine-grained heads, extended harvest-ing window, suitable for seedling resale. Cream/white, for fresh food market; ideal for seedlings for amateur gardeners. Curd cover: medium.	1,000 pilled seed 2,500 precision	Untreated	016001NE 016001NK
CLARINA F1	J F M A M J J A S O N D —	70-75 days	-	White, for fresh food market and industry; clubroot-resistant summer cauliflower; one week earlier than Clapton; no red colouring; very upright foliage; very firm heads with very good cover. Recommended planting density per 1,000 ha: 33-40. Recommended curd cover: very good. Resistances: Pd.	2,500 precision	Untreated	HI6181NK
CLEOZIL F1	J F M A M J J A S O N D —	70-75 days	-	Secure yield through clubroot resistance; good self-covering and very good leaf health; upright leaf arrangement. Recommended planting density per 1,000 ha: 33-40. Curd cover: very good. Resistances: Pb.	2,500 precision	Untreated	HI6182NK
GUIDELINE F1	J F M A M J J A S O N D —	73-75 days	-	White; very healthy variety, even in adverse conditions; strong against fuzziness; very good secure curd formation and dense white head; ideal variety in combination with Lecanu F1 in phased planting; for fresh food market.	2,500 precision	Untreated	HI6183NK



TASMAN F1



ALMAGRO F1



CLAPTON F1



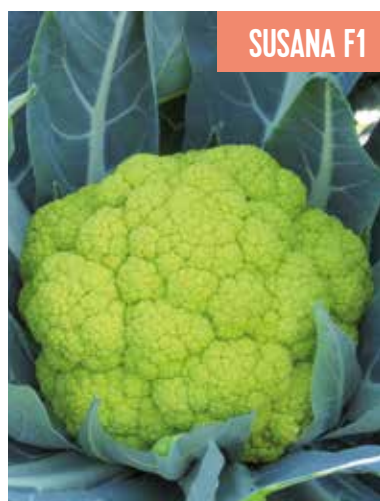
LECANU F1



MAYFAIR F1

## White (continued)

Varieties	Production calendar	Cycle planting harvest	CMS	Characteristics	Min Qty	Product type	Item no.
LECANU F1	J F M A M J J A S O N D —	75 days	-	White, for fresh food market and industry; standard variety, well covered white head; very good quality, good leaf health. Recommended planting density per 1,000 ha: 33-40. Curd cover: very good.	2,500 precision	Untreated	HI6185NK
TASMAN F1	J F M A M J J A S O N D —	80 - 85 days	-	Very healthy and robust variety for summer and autumn cultivation, with excellent head quality, mainly for industry.	2,500 precision	Untreated	HI6188NK
CLAPTON F1	J F M A M J J A S O N D —	80-85 days	-	Clubroot-resistant cauliflower (HR: Pb) with upright leaves. Leaves for summer and autumn harvest. Very uniform and reliable variety, delivers firm, white heads. White, for fresh food market and industry, clubroot resistant for summer and autumn cultivation; secure head formation; requires good water supply. Recommended planting density per 1,000 ha: 30-35. Curd cover: good - very good. Resistances: Pb.	2,500 precision	Untreated	HI6165NK
ALMAGRO F1	J F M A M J J A S O N D —	85 - 90 days	-	Firm, dense white head with very upright leaf arrangement; mainly for industry.	2,500 precision	Untreated	HI6179NK
MAYFAIR F1	J F M A M J J A S O N D —	270-280 days	Free	Winter cauliflower, leaf health, for August planting and harvesting from May. Recommended planting density per 1,000 ha: 30-35. Curd cover: very good.	2,500 precision	Untreated	HI6186NK



SUSANA F1



CHEDDAR F1



DEPURPLE F1



GRAFFITI F1



VITAVERDE F1



CELIO F1















VERONICA F1



PUNTOVERDE F1

## Colourful cauliflower

Varieties	Production calendar	Cycle planting harvest	Characteristics	Min Qty	Product type	Item no.
 <b>CHEDDAR F1</b>	J F M A M J J A S O N D	70-80 days	 High beta-carotene content. The colour remains even after cooking.	500 precision	Untreated	HI6081NK
<b>DEPURPLE F1</b>	J F M A M J J A S O N D	75 days	 Vigorous plant with pink head.	500.000 precision	Treated	HI6168FK
 <b>GRAFFITI F1</b>	J F M A M J J A S O N D	75 days	 Head weights approx. 1 kg. Strong foliage. A new item for the fresh food market and frozen food mixes.	500 precision	Treated Untreated	016016FK 016016NK
<b>CELIO F1</b>	J F M A M J J A S O N D	75-80 days	 Yellow-green Romanesco with a uniform rosette structure. Fast-growing with secure curd formation. Suitable for uncovered, year-round, phased planting outdoors. Best quality achieved in the later segment. For year-round cultivation without cover; secure curd formation, uniform structure. Recommended planting density per 1,000 ha: 20-27. Recommended	2,500 precision	Untreated Treated	HI6164NK HI6164FK
<b>PUNTOVERDE F1</b>	J F M A M J J A S O N D	75-85 days	 Currently the only variety for year-round outdoor cultivation; not prone to second leaf growth or graininess; upright growth and easy to harvest. Recommended planting density per 1,000 ha: 20-27.	2,500 precision	Untreated	HI6153NK
 <b>VERONICA F1</b>	J F M A M J J A S O N D	90 days	 Romanesco type. Vigorous, uniform plant. Very high yield. Low susceptibility to mildew on heads.	500 precision	Treated	HI6058FK
<b>SUSANA F1</b>	J F M A M J J A S O N D	100 days	 Green cauliflower with rapid growth. Very uniform.	500 precision	Untreated	HI6017NK
 <b>VITAVERDE F1</b>	J F M A M J J A S O N D	100 days	 Vigorous plant. The first green cauliflower that can be grown over the entire season. Very uniform.	500 precision	Treated	HI6088FK

# Chinese cabbage

*Brassica pekinensis (Lour.) Rupr.*

## Sowing:

February to mid-July in pots  
Mid-July to early August for direct sowing

## Germination:

5 to 10 days at a minimum soil temperature of 18°C



## Growing temperature:

For sowing in pots: 17-20°C soil temperature; 10-25°C air temperature  
To avoid bolting, shade the seedlings for 15 to 16 hours for 2 to 3 weeks (or until 14th July).

## Planting density:

40 x 40 cm, i.e. 60,000 - 90,000 plants/m<sup>2</sup>

## Fertilisation (u/ha):

**N** = 150-200 **P** = 100-150 **K** = 200-300

Caution: Risk of magnesium, calcium and boron deficiency.



SPRINKIN F1



KILAKIN F1



ENDURO F1



NIGEL F1

Varieties	Cycle (I)	Production calendar	CMS	Characteristics	Min Qty	Product type	Item no.
SPRINKIN F1	57	J F M A M J J A S O N D	Free	Oval head shape; high resistance to bolting; for summer and autumn cultivation, good head weight; dark green, firm heads. Bolt-resistance: very good. Weight in kg: 1-2. Storage suitability: short.	2,500 precision	Untreated	H19031NK
KILAKIN F1	59	J F M A M J J A S O N D	Free	Oval head shape; early clubroot-resistant variety; compact growth, extremely bolt-resistant. Bolt-resistance: very good. Weight in kg: 1-2. Storage suitability: low. Resistances: HR: Pb.	2,500 precision	Untreated	H19026NK
NIGEL F1	60	J F M A M J J A S O N D	-	Chinese cabbage with green outer leaves and orange inner (lycobeen). Bolt-resistance: medium. Weight: 1-1.2 kg. Storage suitability: medium.	2,500 precision	Untreated	H19028NK
ENDURO F1	60-65	J F M A M J J A S O N D	Free	Interesting new variety with flat base and dark green, blistered outer leaves; cylindrical head. Pilled seed for pots. Bolt-resistance: medium. Weight in kg: 1-1.5. Storage suitability: very good. Resistances: HR: Pb: O, 1, 3.	1,000 pilled seed	Untreated	H19017NE
STEVE F1	65-70	J F M A M J J A S O N D	Free	Cylindrical head shape; fairly small-scale product, ideal for individual marketing. Bolt-resistance: medium. Weight in kg: 1-1.5. Storage suitability: very good. Resistances: HR: Pb.	2,500 precision	Untreated	H19032NK
KISEKI F1	65-70	J F M A M J J A S O N D	-	Very good shelf life. Cylindrical with yellow heart and dark green outer leaves; colour remains stable even after storage.	2,500 precision	Untreated	H19022NK



STEVE F1



KISEKI F1



YUKI F1



VERAFLEX F1



MARRIO F1



TREVOR F1



SCANSIE F1



SCARNADE F1



SCARVITA F1

Varieties	Cycle (I)	Production calendar	CMS	Characteristics	Min Qty	Product type	Item no.
<b>TREVOR F1</b>	65-70	J F M A M J J A S O N D ■	Free	Cylindrical head shape, dark green outer leaves, inner yellow. Tolerant against inner leaf necrosis. Strong against club root and Black Spot	2,500 precision	Treated	HI9037FK
<b>YUKI F1</b>	70	J F M A M J J A S O N D ■	Free	Oval medium-long head; main variety for storage; very healthy and robust against tip burn; green after storage. Bolt-resistance: medium. Weight in kg: 1.5 - 2.5. Storage suitability: very good. Resistances: HR: Pb.	2,500 precision	Untreated	HI9019NK
<b>VERAFLEX F1</b>	70	J F M A M J J A S O N D ■	Free	Summer and autumn variety for planting from week 18 onwards, with excellent field durability, tightly closed heads. Good bolt-resistance. Weight in kg: 1.5-2. Storage suitability: good. Resistances: IR: Foc.	2,500 precision	Untreated	HI9034NK
<b>MARRIO F1</b>	70	J F M A M J J A S O N D ■	-	Cylindrical head shape, medium size; for storage until February, light green colour after storage. Bolt-resistance: medium. Weight in kg: 1.5 - 2.5. Storage suitability: good. Resistances: HR: Pb.	2,500 precision	Untreated	HI9027NK
<b>SCANSIE F1</b>	60-65	J F M A M J J A S O N D ■	-	Addition to the Scarvita F1 range, with significantly more intense colour, better bolt-resistance and better storage properties; high calcium fertilisation is vital. Variety is not 100% pure, some green plants may occur. Bolt-resistance: medium. Weight in kg: 1.2 - 1.5. Storage suitability: good.	2,500 precision	Untreated	HI9029NK
<b>SCARNADE F1</b>	65 - 70	J F M A M J J A S O N D ■	-	Red Granat type for fresh food market and salad processing; elongated shape with red inner leaves. Bolt resistance: medium. Weight: 1.2-1.5 kg. Storage suitability: medium.	2,500 precision	Untreated	HI9030NK
<b>SCARVITA F1</b>	75-80	J F M A M J J A S O N D ■	-	Cylindrical head form; bright red, new type of Chinese cabbage to give your market range some colour; also suitable for processing; higher calcium fertilisation is very important. Bolt-resistance: medium. Weight in kg: 1-1.5. Storage suitability: short.	2,500 precision	Untreated	HI9024NK

# Pak choi

*Brassica rapa subs. chinensis*



**GREEN PARROT**

Very bolt-resistant



**WIN CHOI F1** 🌱



**JOI CHOI F1**



**MEI QING CHOI F1**



**YANG QING CHOI F1**

Varieties	Production calendar	CMS	Characteristics	Min Qty	Product type	Item no.
<b>MEI QING CHOI F1</b>	J F M A M J J A S O N D —	Free	Green ribs. For harvesting as a mini vegetable or as a mature plant.	2,500 precision	Untreated	H39504NK
<b>JOI CHOI F1</b>	J F M A M J J A S O N D —	-	White leaf ribs, bolt-resistant and very uniform. Year-round cultivation. Can be harvested as a mini vegetable or as a head. Cold tolerant and vigorous even in winter.	2,500 precision	Untreated	H39549NK
<b>WIN CHOI F1</b> 🌱	J F M A M J J A S O N D —	-	Extremely bolt-resistant and uniform hybrid with dark green leaf blades and bright white leaf stems. Phased outdoor planting best, also suitable for growing under glass and baby pak choi production.	100 precision	Untreated	O39569NK
<b>GREEN PARROT</b>	J F M A M J J A S O N D —	-	Dark green Shanghai pak choi with high bolting tolerance. Upright, compact variety with good field durability. Stem colour: dark green. Bolt-resistance: very good.	2,500 seeds	Untreated	H19036NG
<b>YANG QING CHOI F1</b>	J F M A M J J A S O N D — (open fields) — (under glass)	Free	Improved green-stemmed variety, small, with excellent field durability; the plant grows upright and compact; of note is the excellent resistance to bolting in early crop; this variety can be planted throughout the growing season in a temperate climate; also suitable for organic cultivation. Stem colour: dark green. Bolt-resistance: very good.	2,500 seeds	Untreated	H39513NG



# Cima di Rapa

*Brassica rapa var. cymosa*

**Sowing:**  
February - September

**Seed requirements:**  
250-300 seeds/g

**Germination:**  
6-10 days

**Planting density:**  
35,000 - 40,000 plants/ha

## CAVOLO GETTI E FOGLIE



Variety	CMS	Production calendar	Characteristics	Min Qty	Product type	Item no.
CAVOLO GETTI E FOGLIE	Free		Italian speciality for fine dining; cut off at a height of 30-40 cm as soon as the broccoli-like florets reach a diameter of 2-3 cm. Development time: 80 days. Recommended planting density per 1,000 ha: 20x3. Recommended planting weeks: 27-35. Colour: green.	10 g	Untreated	043013NS

# Fioretto® cabbage



### COOKING TIP

Sweeter and more tender and crisp than cauliflower, with a hint of hazelnut. There are many different ways to serve Fioretto® F1: raw in dips and salads or simply as a snack, fried, marinated, as a soup or baked in a tempura batter.

Fioretto® F1 is an excellent source of vitamin C, B6 and potassium, and is a good source of roughage.

Variety	Production calendar	Cycle planting - harvest	Characteristics	Min Qty	Product type	Item no.
FIORETTO® F1		85 days	Elegant, creamy white heads on slender stems. Easy to grow, robust plants. Can be marketed as a whole head or pre-cut in trays.	500 precision	Untreated	016152NK

# Kale cabbage

*Brassica oleracea L.*

**Sowing:**  
May - July

**Seed requirements:**  
5-6 g for 1,000 plants

**Pre-cultivation:**  
4-6 weeks

**Germination:**  
6-10 days



**Planting density:**  
40 x 50 cm, i.e. 50.000 plants/m<sup>2</sup>

**Fertilisation (u /ha):**  
N = 150-200 P = 150 K = 200-250



**NERO DI TOSCANA**



**WINTERBOR F1**



**BLACK MAGIC F1**



**EMERALD ICE F1**



**MIDNIGHT SUN F1**



**STARMAKER F1**



**WINNETOU F1**

Varieties	Production calendar	Characteristics	Min Qty	Product type	Item no.
<b>NERO DI TOSCANA</b>		Traditional Italian variety. Very dark, blue-green foliage.	10 g	Untreated	O22005NS
<b>WINTERBOR F1</b>		Tall variety with good cold resistance.	500 precision	Treated	H22007FK
<b>BLACK MAGIC F1</b>		Innovative product; hardy; dark, very upright, leaves like Savoy cabbage; taste improves after frost. Development time from planting, in days: 100-120. Plant height (cm): 120. Hardiness: very good.	500 precision	Untreated	H22016NK
<b>EMERALD ICE F1</b>		Interesting new colour in the collard greens segment. Development time from planting, in days: 120. Plant height (cm): 40. Hardiness: good.	500 precision	Untreated	H22017NK
<b>MIDNIGHT SUN F1 (TZ 0277)</b>		During cooking, the leaf colour intensifies; for bunched products; loose harvest and cut leaves. Development time from planting, in days: 100. Plant height (cm): 40. Hardiness: very good.	500 precision	Untreated	H22018NK
<b>STARMAKER F1 (TZ 8011)</b>		Sweet, tender leaf in a great colour. Development time from planting, in days: 120. Plant height (cm): 40. Hardiness: low.	500 precision	Untreated	H22013NK
<b>WINNETOU F1</b>		Easy to strip; standard variety; large, dark green leaves; very hardy. Development time from planting, in days: 100. Plant height (cm): 70. Hardiness: very good.	500 seeds	Untreated	H22014NG

Planting Harvest

# Red cabbage

*Brassica oleracea var capitata F. rubra L.*



DAVARO F1



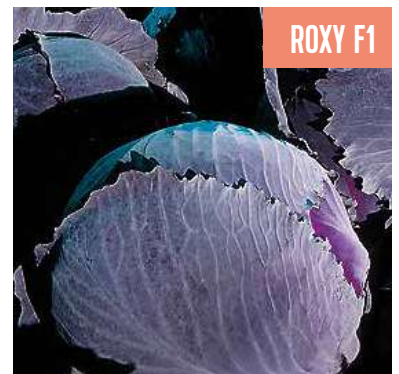
RED PEARL F1



REBALL F1



LODERO F1



ROXY F1

Varieties	Production calendar	Development time from planting, in days	Shape	Head	Use	CMS	Characteristics	Min Qty	Product type	Item no.
RED PEARL F1	J F M A M J J A S O N D —	70		0.8-1 kg	Fresh food market	-	For all uses - early, fairly small red cabbage with excellent colour; very good field durability.	2,500 precision	Untreated	HI5048NK
REBALL F1	J F M A M J J A S O N D —	70		0.8 - 2 kg	Fresh food market	-	Also suitable as mini cabbages, very dark interior colour, long harvesting window. Recommended planting density per 1,000 ha: 50-80. Head weight: 0.8-2. Storage suitability: short.	2,500 precision	Untreated Treated	HI5035NK HI5035FK
DAVARO F1	J F M A M J J A S O N D —	100		1-2 kg	Fresh food market	-	Ideal for summer cultivation, compact and very uniform colour.	2,500 precision	Treated	HI5047FK
LODERO F1	J F M A M J J A S O N D —	120		1-3 kg	Fresh food market and storage	-	Variety with high resistance against certain club-root strains. (HR: <i>Plasmiodiophora brassicae</i> ).	2,500 precision	Treated	HI5044FK
ROXY F1	J F M A M J J A S O N D —	125		1-3 kg	Fresh food market and storage	-	Good healthy condition in the field. Nice appearance.	2,500 precision	Treated Untreated	HI5020FK HI5020NK





TRAVERO F1



RESIMA F1



RESCUE F1



KALIBOS

Varieties	Production calendar	Development time from planting, in days	Head weight	Use	CMS	Characteristics	Min Qty	Product type	Item no.
TRAVERO F1	J F M A M J J A S O N D Planting: M, J; Harvest: S, O	130	2-3 kg	Storage	Free	Round head, attractive inner structure, suitable for narrow plant spacing. Recommended planting density per 1,000 ha: 30-50. Head weight: 2-3. Storage suitability: very good.	2,500 precision	Treated	HI5004FK
RESIMA F1	J F M A M J J A S O N D Planting: M, J; Harvest: S, O	130	1-2.5 kg	Storage	Free	Good field health, easy to harvest, very good exterior and interior colour. Recommended planting density per 1,000 ha: 40-60. Head weight: 1-2.5. Storage suitability: good.	2,500 precision	Untreated	HI5038NK
RESCUE F1	J F M A M J J A S O N D Planting: M; Harvest: S, O	150	1.5-3 kg	Storage	-	Very good interior quality, easy to clean, clean and attractive product after storage. Recommended planting density per 1,000 ha: 30-60. Head weight: 1.5-3. Storage suitability: very good.	2,500 precision	Untreated Treated	HI5008NK HI5008FK
<b>Pointed cabbage</b>									
KALIBOS	J F M A M J J A S O N D Planting: M, J, J, A, S, O; Harvest: J, A, S, O, N, D	105	2-2.5 kg	Fresh food market	-	Unique red variety with mild, sweet taste and crisp texture. Funnel-shaped head with loose filling - for short-term storage.	500 precision	Untreated	014152NK
<b>Industry</b>									
BANDOLERO F1	J F M A M J J A S O N D Planting: M, J; Harvest: S, O	120	3.5-5 kg	Short storage Industry	Free	Not susceptible to inner leaf necrosis; relatively round, large head; good health in the field and good stability. Recommended planting density per 1,000 ha: 25-40. Head weight: 3.5-5. Storage suitability: medium.	2,500 precision	Treated	HI5033FK

Planting Harvest

# White cabbage

*Brassica oleracea var. capitata L.*

**Sowing:**  
January - July

**Seed requirements:**  
6 to 8 g for 1,000 plants - 2 g/m<sup>2</sup>  
or 600 seeds/m<sup>2</sup> in cultivation  
300 seed/g

**Pre-cultivation:**  
4 - 7 weeks

**Germination:**  
6-10 days



**Planting density:**  
50,000 to 65,000 plants/ha in early crop;  
35,000 to 55,000 plants/ha for late harvest  
and storage  
Industry 25,000 - 30,000 plants

**Fertilisation (u/ha):**  
**N** = 200-250 **P** = 120 **K** = 200-300  
+ sulphur supply 50-80 kg/ha.  
Caution: Boron deficiency risk

**Storage life:**  
For optimal storage in the cold room, healthy,  
undamaged cabbages should be harvested  
before they are fully mature.

## Fresh food market



NOZOMI F1



HOUSTON F1



MOZART F1



KEVIN F1



GREGORIAN F1



CASTELLO F1

Varieties	Production calendar	Development time from planting, in days	Head		Storage suitability	CMS	Characteristics	Min Qty	Product type	Item no.
			Weight							
NOZOMI F1	J F M A M J J A S O N D	55-65	1-1.5 kg	○○○○○	Free	Very early hybrid with slight rolling over on leaves. Round, compact, shiny green head. Very burst-resistant early cabbage with excellent field durability, good taste. Recommended planting density per 1,000 ha: 40-60.	2,500 precision	Untreated	O14036NK	
KEVIN F1	J F M A M J J A S O N D	60	1-1.5 kg	○○○○○	-	Early white cabbage with high bolt-resistance, good harvesting window. Recommended planting density per 1,000 ha: 45-60. Resistances: HR: Foc.	2,500 precision	Untreated	H14232NK	
HOUSTON F1	J F M A M J J A S O N D	68	1.5 kg	●●○○○	-	Very bolt-resistant, dark green, thin-leaved, fresh food market cabbage; very suitable for salad production. Recommended planting density per 1,000 ha: 40-60. Resistances: HR: Foc.	2,500 precision	Untreated Treated	H14230NK H14230FK	
GREGORIAN F1	J F M A M J J A S O N D	70-75	1.5-2.5 kg	○○○○○	-	Smooth universal cabbage with long harvesting window, for fresh food market and salad production. Recommended planting density per 1,000 ha: 35-50.	2,500 precision	Untreated	H14229NK	
MOZART F1	J F M A M J J A S O N D	80	1-2.5 kg	●●○○○	-	Flexible, bolt-proof variety for phased planting in year-round cultivation. Recommended planting density per 1,000 ha: 40-50.	2,500 precision	Untreated	H14148NK	
CASTELLO F1	J F M A M J J A S O N D	80-85	1.5-5 kg	●●○○○	Free	Medium-sized cabbage for the fresh food market with long harvesting window. Shiny green colour, round head with very good internal structure. Standard variety for all uses; long harvesting window; in late cultivation also for short-term storage. Recommended planting density per 1,000 ha: 40-65.	2,500 precision	Untreated	H14079NK	

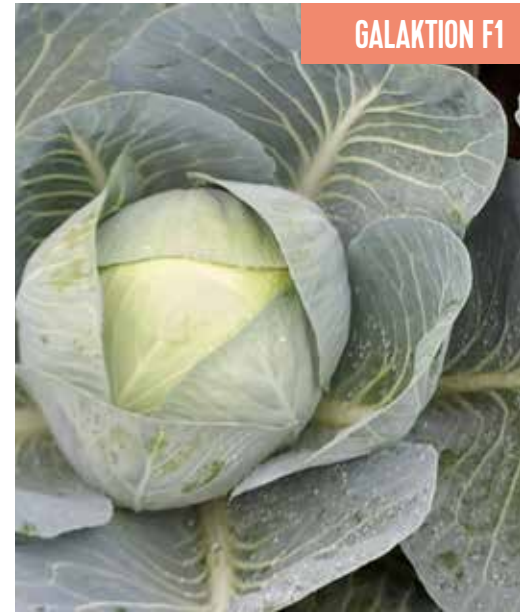
## Fresh food market (continued)



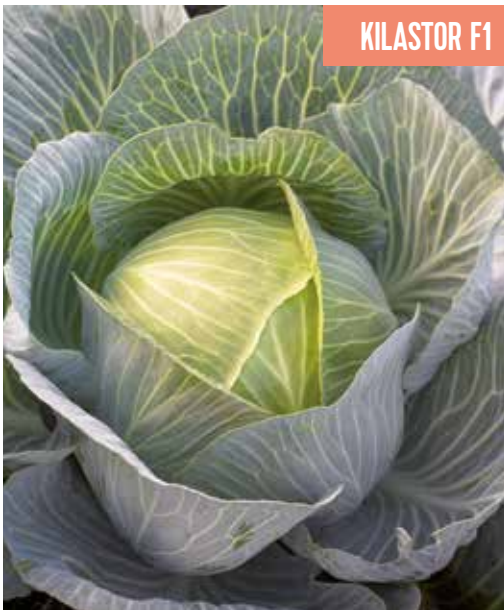
KILAJACK F1



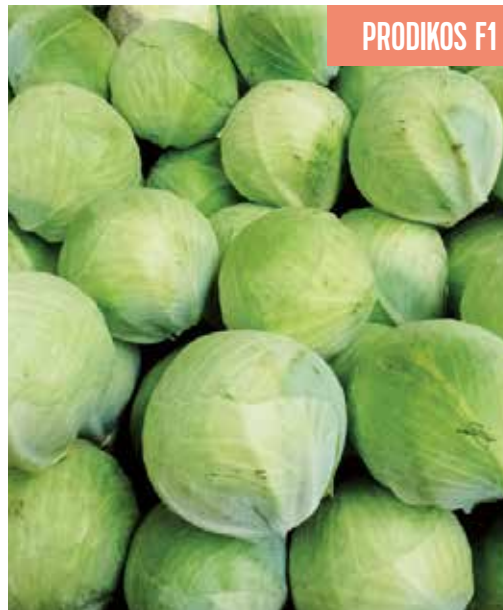
KILAZOL F1



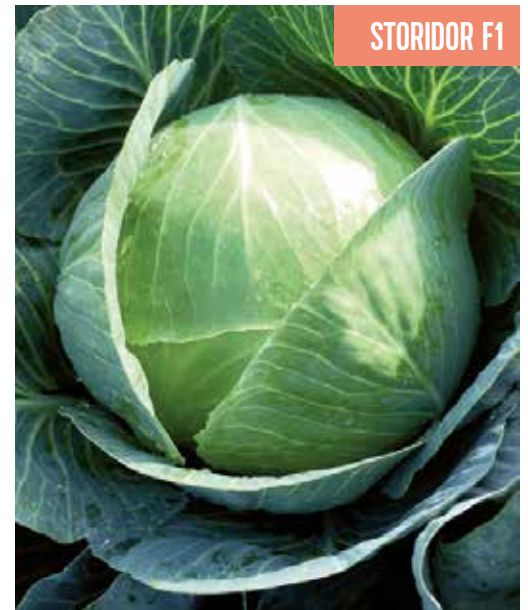
GALAKTION F1



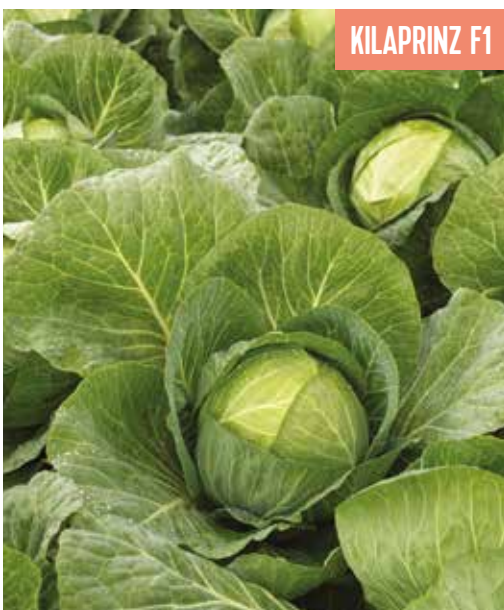
KILASTOR F1



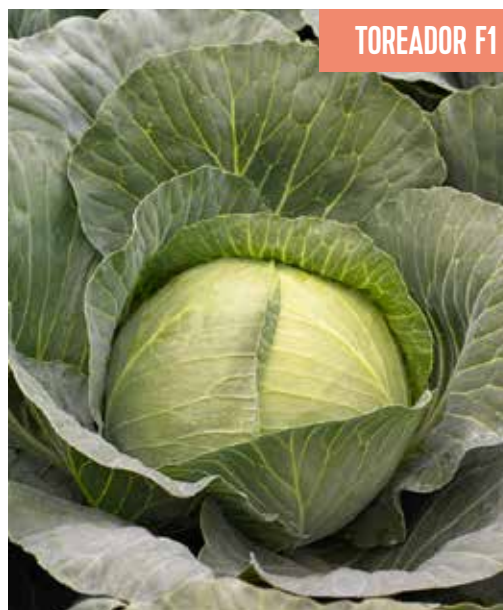
PRODIKOS F1



STORIDOR F1



KILAPRINZ F1



TOREADOR F1



ZENON F1



## Fresh food market (continued)

Varieties	Production calendar	Development time from planting, in days	Head		Storage suitability	CMS	Characteristics	Min Qty	Product type	Item no.
			Weight							
<b>KILAJACK F1</b>	J F M A M J J A S O N D █	85	2-2.5 kg	●●●○○	-	Firm cabbage with club-root resistance for the fresh food market, beautiful dark green colour. Recommended planting density per 1,000 ha: 45-60. Resistances: Hr: Pb, Foc.	2,500 precision	Untreated	HI4222NK	
<b>KILASTOR F1</b>	J F M A M J J A S O N D █	130	2-4 kg	●●●●○	-	Nice interior structure. Very suitable for storage. Robust against pests.	2,500 precision	Treated	HI4080FK	
<b>KILAZOL F1</b>	J F M A M J J A S O N D █	135	1.5-2 kg	●●●●●	-	Compact club-root resistant cabbage for storage; easy to clean, uniform variety. Recommended planting density per 1,000 ha: 50-60. Resistances: Hr: Pb.	2,500 precision	Untreated	HI4235NK	
<b>GALAKTION F1</b>	J F M A M J J A S O N D █	140	2-4 kg	●●●●○	Free	Large cabbage for storage, for fresh food market. Good waxy layer; very good tripto-tolerance due to blue-green colour; very good stability	2,500 Precision	Untreated	HI4070NK	
<b>AUTUMN PRINCE F1</b>	J F M A M J J A S O N D █	780	2-2.5 kg	●●●○○	Free	Dark green flat cabbage; low susceptibility to bolting; not susceptible to bursting, therefore has long field durability and very high heat tolerance. Recommended planting density per 1000 ha: 28-40. Resistances. HR: Foc.	2,500 precision	Untreated	HI4226NK	
<b>KILAPRINZ F1</b>	J F M A M J J A S O N D █	100	4-6 kg	○○○○○	-	Early cabbage, resistant to club root, for industry, coleslaw and sauerkraut (pickled cabbage)	2,500 precision	Treated	HI4162FK	
<b>TOREADOR F1</b>	J F M A M J J A S O N D █	105 - 115	1.5-2.5 kg	●○○○○	-	Very healthy, uniform cabbage for the fresh food market, with high stability in the field; very strong against thrips. Recommended planting density per 1,000 ha: 35-50. Resistances: HR: Foc.	2,500 precision	Untreated	HI4244NK	
<b>PRODIKOS F1</b>	J F M A M J J A S O N D █	140	2.5-3 kg	●●●●○	-	Storage cabbage for long storage; deep green head. Recommended planting density per 1,000 ha: 25-40. Recommended. Resistances: HR: Foc.	2,500 precision	Untreated	HI4159NK	
<b>STORIDOR F1</b>	J F M A M J J A S O N D █	130-135	2.5 - 3.5 kg	●●●●●	Free	Uniform, fresh green colour after long storage, also for use as a promotional product, good stability. Recommended planting density per 1,000 ha: 45-55. Resistances: HR: Foc.	2,500 precision	Untreated	HI4243NK	
<b>ZENON F1</b>	J F M A M J J A S O N D █	135-145	2-4 kg	●●●●●	-	Storage cabbage for processing; large cabbage for the fresh food market, easy to clean. Recommended planting density per 1,000 ha: 25-40. Resistances: HR: Foc.	2,500 precision	Untreated	HI4156NK	
								Treated	HI4156FK	

## Flat cabbage



AUTUMN BARON F1



BEVERLY HILLS F1



FELICITY F1



IPPON F1



SARMELO F1



SWEETY F1

Varieties	Production calendar	Development time from planting, in days	Head		Storage suitability	CMS	Characteristics	Min Qty	Product type	Item no.
			Shape	Weight						
BEVERLY HILLS F1	J F M A M J J A S O N D	65-70		1.2-2.5 kg	Fresh food market	-	Flat, round cabbage with sweet taste for summer and autumn harvest. Recommended planting density per 1,000 ha: 40-45.	2,500 precision	Untreated	HI4228NK
AUTUMN BARON F1	J F M A M J J A S O N D	75-85		2.5-3 kg	Fresh food market and short storage	Free	Medium-early flat cabbage, with a beautiful colour and good taste, very uniform and robust against thrips. Resistances: HR :Foc / IR: Mb, Tt.	2,500 precision	Untreated	HI4225NK
FELICITY F1	J F M A M J J A S O N D	70-85		1-1.5 kg	Fresh food market and short storage	-	New flat cabbage variety with high uniformity; successor variety to Atlas N° 70 Fl. Recommended planting density per 1,000 ha: 40-45.	2,500 precision	Untreated	O14219NK
IPPON F1	J F M A M J J A S O N D	85		1-2 kg	Fresh food market	-	Flat cabbage for the entire growing season, small to medium-sized. Recommended planting density per 1,000 ha: 40-45.	2,500 precision	Untreated	HI4210NK
SARMELO F1	J F M A M J J A S O N D	85-110		1-2 kg	Fresh food market and short storage	-	Round, flat cabbage for fresh food market and sauerkraut production; strong against thrips and good field durability. Recommended planting density per 1,000 ha: 28-40.	2,500 precision	Untreated	HI4242NK
SWEETY F1	J F M A M J J A S O N D	90		2-3 kg	Fresh food market, short- to medium-term storage	Free	Late summer and autumn, good plant health, fresh green head colour that lasts long after harvesting.	2,500 precision	Untreated	O14041NK
									Treated	O14041FK

Planting



## Industry



AVAK F1



AUSTIN F1



KILAPLON F1

Varieties	Production calendar	Development time from planting, in days	Head Weight	Storage suitability	CMS	Characteristics	Min Qty	Product type	Item no.
AUSTIN F1	J F M A M J J A S O N D ■	95 - 105	4-6kg	○○○○○	Free	Very early industry cabbage with very good interior quality; for harvesting at the end of August. Recommended planting density per 1,000 ha: 25-40. Resistances: HR: Foc, Ac.	2,500 precision	Untreated	HI4224NK
REPORT F1	J F M A M J J A S O N D ■	115 - 120	4-7kg	○○○○○	-	Very healthy industry cabbage for September harvest; fine interior structure, good field durability; variety with high resistance against the most common types of club root. Recommended planting density per 1,000 ha: 25-33. Resistances: Hr: Pb, Foc.	2,500 precision	Untreated Treated	HI4241NK HI4241FK
ADELCO F1	J F M A M J J A S O N D ■	125- 130	6-8kg	○○○○○	-	Very good uniformity and stability, therefore very suitable for mechanical harvesting. Recommended planting density per 1,000 ha: 25-35. Resistances: HR: Foc.	2,500 precision	Untreated Treated	HI4223NK HI4223FK
KILAPLON F1	J F M A M J J A S O N D ■	125 - 130	5-7kg	○○○○○	-	Club-root resistance. Ramco type, September harvest, suitable for mechanical harvesting. Recommended planting density per 1,000 ha: 25-30. Resistances: HR: Pb.	2,500 precision	Untreated Treated	HI4234NK HI4234FK
RAMCO F1	J F M A M J J A S O N D ■	130	5-8kg	○○○○○	Free	Standard variety for September harvest, very good for mechanical harvesting. Recommended planting density per 1,000 ha: 25-35.	2,500 precision	Untreated Treated	HI4030NK HI4030FK
PROFESSOR F1	J F M A M J J A S O N D ■	135- 140	5.5- 6.5kg	●●○○○	-	Medium-late industrial variety, reliable even in changeable weather; strong against thrips, good root development in unwatered cultivation areas. Recommended planting density per 1,000 ha: 30-35. Resistances: HR: Foc.	2,500 precision	Untreated Treated	HI4240NK HI4240FK
AVAK F1	J F M A M J J A S O N D ■	140 - 145	5-8kg	●●○○○	-	Healthy industry cabbage, harvest from mid-October, for late industry supply. Recommended planting density per 1,000 ha: 25-30.	2,500 precision	Untreated Treated	HI4227NK HI4227FK
SOCRATES F1	J F M A M J J A S O N D ■	150	4-7kg	●●●●●	-	Stable, heavy industry cabbage for storage, medium- to long-term storage, also suitable for heavy soils. Recommended planting density per 1,000 ha: 30-35.	2,500 precision	Untreated Treated	HI4154NK HI4154FK



### Pointed white cabbage



CHANA F1



ALLEGRO F1



TOURIMA F1

Varieties	Production calendar	Development time from planting, in days	Head		CMS	Characteristics	Min Qty	Product type	Item no.
			Shape	Weight					
TOURIMA F1	J F M A M J J A S O N D	65		0.5-2 kg	Free	Long harvest window, fresh green, slim head shape, fills early. Recommended planting density per 1000 ha: 40-100. Storage suitability: medium.	2,500 precision	Untreated	HI4239NK
CHANA F1	J F M A M J J A S O N D	65-70 days in Spring, Autumn		0.8-1.5 kg	-	Blueish cabbage with a compact head, well-filled to the top. Early.	500 precision	Treated	014025FK
ALLEGRO F1	J F M A M J J A S O N D	70		0.8-1.4 kg	Free	Very bolt-resistant pointed cabbage with a very thin leaf, and a harvest window of about 2 weeks. Recommended planting density per 1,000 ha: 40. Storage suitability: medium.	2,500 precision	Untreated	HI4238NK
DUTCHMAN F1	J F M A M J J A S O N D	65		0.5-2 kg	-	Slim, early pointed cabbage for phased planting all year round. Recommended planting density per 1000 ha: 40-100. Storage suitability: low.	2,500 precision	Untreated	HI4160NK

# Savoy cabbage

*Brassica oleracea var. Sabauda*

**Sowing:**  
December - June

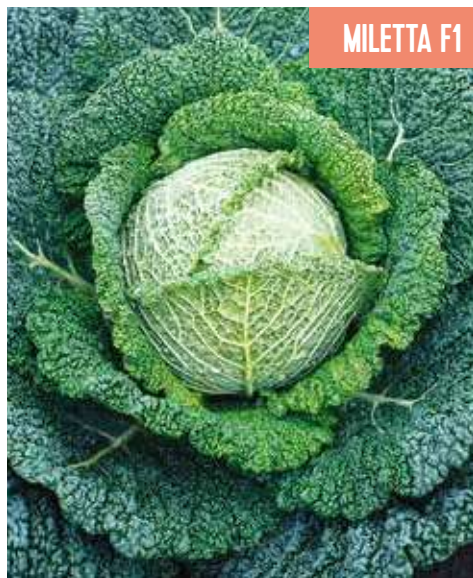
**Seed requirements:**  
6 to 8 g for 1,000 plants  
2 g/m<sup>2</sup> or 600 seeds/m<sup>2</sup>  
in cultivation - 300 seeds/g

**Pre-cultivation:**  
4 - 7 weeks

**Germination:**  
6-10 days

**Planting density:**  
20,000 to 35,000 plants/ha

**Fertilisation (u /ha):**  
**N** = 200-250 **P** = 120 **K** = 200-300  
+ sulphur supply 50-80 kg/ha.  
Caution: Boron deficiency risk



MILETTA F1



CORDESA F1

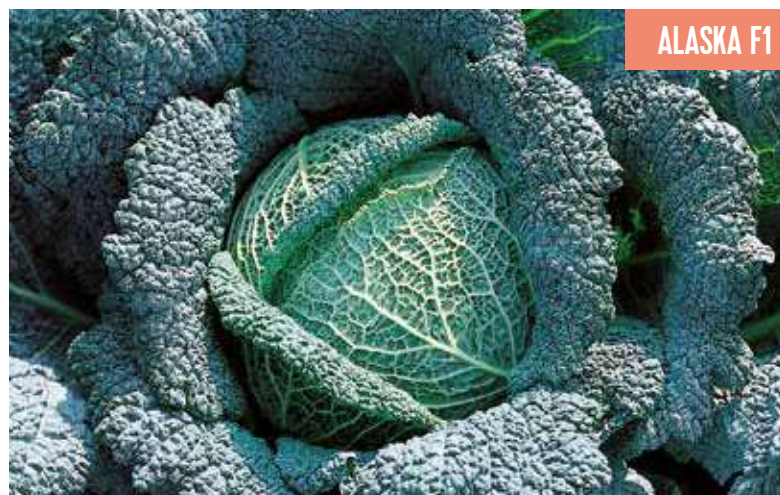


UTAH F1

Varieties	Production calendar	Development time from planting, in days	Head		CMS	Characteristics	Min Qty	Product type	Item no.
			Colour	Weight					
ALCOSA F1	J F M A M J J A S O N D	62 days	Fresh green	1-2kg	Free	Light green, fast-growing Savoy cabbage, beautiful yellow interior. Field durability: short. Resistances: HR: Foc.	2,500 precision	Untreated	H17033NK
								Treated	H17033FK
FAMOSA F1	J F M A M J J A S O N D	70 days	Dark green	1-2kg	-	Good heat resistance, compact head.	2,500 precision	Treated	H17037FK
								Untreated	H17037NK
CORADI F1	J F M A M J J A S O N D	75 - 85 days	Fresh green	1 - 1.5 kg	-	Early, triple-resistance variety with good field durability, very reliable. Field durability: good. Resistances: HR: Pb, IR: Ac, Mb.	2,500 precision	Untreated	H17036NK
MILETTA F1	J F M A M J J A S O N D	100 days	Dark green	1-1.5kg	-	Dark green, compact plant structure, foliage and base very healthy. Field durability: good.	2,500 precision	Untreated	H17043NK
CORDESA F1	J F M A M J J A S O N D	100-110 days	Dark green	1-1.5kg	-	Best for fresh food market and processing; upright growth, good interior quality and attractive colour. Field durability: medium. Club-root resistant. Resistances: HR: Pb; IR: Ac, Mb.	2,500 precision	Untreated	H17042NK
								Treated	H17042FK
UTAH F1	J F M A M J J A S O N D	110 days	Dark green	1-1.5kg	-	Dark green, high tolerance against tip burn; medium-sized head with upright outer leaves and good weight, for single unit pack. Field durability: good.	2,500 precision	Treated	H17044FK
								Untreated	H17044NK



CORDOBA F1




ALASKA F1




WIROSA F1



KAMCHATKA F1

Varieties	Production calendar	Development time from planting, in days	Head		Cold resistant	Characteristics	Min Qty	Product type	Item no.
			Colour	Weight					
 <b>CORDOBA F1</b>	J   F   M   A   M   J   J   A   S   O   N   D	130	Dark green	1.5-2.5 kg	Good	Many possible uses. Compact, layered head with dark green leaves and excellent interior quality. Broad range of resistances. Club-root resistant.	2,500 precision	Treated	HI7039FK
								Untreated	HI7039NK
<b>ALASKA F1</b>	J   F   M   A   M   J   J   A   S   O   N   D	130	Blue-green	1.5-2.5 kg	Very good	Winter Savoy cabbage with slightly curly, firm heads. Good for storage, best for overwintering.	2,500 precision	Treated	HI7030FK
								Untreated	HI7030NK
<b>WIROSA F1</b>	J   F   M   A   M   J   J   A   S   O   N   D	135	Intense green	1.5-2 kg	Very good	A benchmark among autumn/winter varieties. Small stalk, very uniform.	2,500 precision	Treated	HI7008FK
								Untreated	HI7008NK
<b>KAMCHATKA F1</b>	J   F   M   A   M   J   J   A   S   O   N   D	150	Dark green	1.5-2 kg	Very good	Dark green, very healthy and very hardy; intense green wrapping leaf; should not be planted too late. Field durability: very good.	2,500 precision	Untreated	HI7060NK
								Treated	HI7060FK

 Planting  Harvest

# Kohlrabi

*Brassica oleracea var. gongylodes L.*

**Sowing:**  
Mid-December - July

**Seed requirements:**  
6 to 8 g for 1,000 plants  
250 seeds/g

**Pre-cultivation:**  
4-8 weeks

**Germination:**  
6-10 days



**Planting density:**  
In glasshouse: 160,000 plants/ha  
(25x25 cm).

In the field: 100,000-130,000 plants/ha  
(25 x 30-40 cm)

**Fertilisation (u/ha):**  
N = 80-150 P = 50-100 K = 150-200



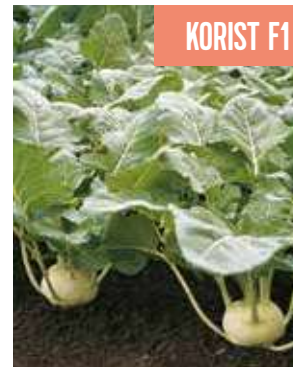
BRANDO F1



CINDY F1



BOGART F1



KORIST F1



RUNA F1



AVAYA F1



FONDA F1



KONAN F1

## White kohlrabi

Varieties	Production calendar	CMS	Characteristics	Min Qty	Product type	Item no.
BRANDO F1	J F M A M J J A S O N D Planting: M, A, M, J, J, A, S, O, N, D Harvest: M, A, M, J, J, A, S, O, N, D	-	Fast-growing and bolt-resistant kohlrabi for the first set. Colour: green.	2,500 precision	Untreated	H20029NK
CINDY F1	J F M A M J J A S O N D (Open fields) Planting: M, A, M, J, J, A, S, O, N, D (Greenhouse) Planting: M, A, M, J, J, A, S, O, N, D Harvest: M, A, M, J, J, A, S, O, N, D	Free	Well-known main variety for the first plantings. Colour: white.	2,500 precision	Untreated	H20030NK
BOGART F1	J F M A M J J A S O N D Planting: M, A, M, J, J, A, S, O, N, D Harvest: M, A, M, J, J, A, S, O, N, D	-	Other kohlrabi with <b>clubroot resistance</b> . Well-suited to sandy soils and hot summer conditions. Requires on average 50 kg less nitrogen/ha (Fertilizing Ordinance [Germany]). Flat, round tuber with robust leaves. Colour: white. Resistances: Pb.	2,500 precision	Untreated	H20028NK
KORIST F1	J F M A M J J A S O N D Planting: M, A, M, J, J, A, S, O, N, D Harvest: M, A, M, J, J, A, S, O, N, D	-	Early kohlrabi with vigorous growth. Strong foliage.	500 precision	Treated	H20014FK
RUNA F1	J F M A M J J A S O N D Planting: M, A, M, J, J, A, S, O, N, D Harvest: M, A, M, J, J, A, S, O, N, D	-	Vigorous, upright leaves and medium length stalk. This makes harvesting easier and the base of the tubers stays clean. Good resistance against powdery mildew and robust against heat and drought. Colour: white.	2,500 precision	Untreated	H20032NK
AVAYA F1	J F M A M J J A S O N D Planting: M, A, M, J, J, A, S, O, N, D Harvest: M, A, M, J, J, A, S, O, N, D	-	Very dark green, upright, large-leaved foliage; high heat tolerance; smooth, greenish-white, flat tuber; very strong against powdery mildew. Colour: white.	2,500 precision	Untreated	H20027NK
FONDA F1	J F M A M J J A S O N D Planting: M, A, M, J, J, A, S, O, N, D Harvest: M, A, M, J, J, A, S, O, N, D	-	First kohlrabi with <b>clubroot resistance</b> ; robust leaves that grow upright, very good root system; ensures fast, efficient harvesting. Colour: white. Resistances: Pb.	2,500 precision	Untreated	H20031NK
KONAN F1	J F M A M J J A S O N D Planting: M, A, M, J, J, A, S, O, N, D Harvest: M, A, M, J, J, A, S, O, N, D	-	Sweet-tasting vigorous variety for outdoor cultivation in early summer and summer. Flat, round, uniform tubers for the fresh food market. The leaf stems lie close to the tubers and the leaves are stable, enabling quick harvesting. Resistant to fusarium wilt (HR: Foc).	2,500 precision	Treated	H20025FK

## Blue Kohlrabi



UKZA F1

## Purple Kohlrabi



AZUR STAR

Varieties

Production calendar

Characteristics

Min Qty

Product type

Item no.

## Blue Kohlrabi

UKZA F1



Blue, uniform, attractive kohlrabi for direct sale; good foliage ratio. Recommended planting weeks outdoors: . 12-31. Colour: blue.

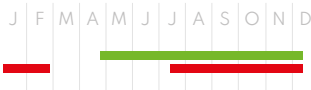
2,500 precision

Untreated

H20035NK

## Purple Kohlrabi

AZUR STAR



Versatile, robust variety. Strong, upright foliage.

1,000  
pilled seed  
500  
precision

Untreated

020005NE

020005NK

## Swede

*Brassica napus napobrassica*

**Sowing:**  
April to June

**Seed requirements:**  
0.5 to 1.5 kg/ha -4-5 g  
for 1,000 plants

**Germination:**  
6-10 days



**Planting density:**  
20 - 25 x 50 cm  
i.e. 80 to 100,000 plants/ha

**Fertilisation (u /ha):**  
**N** = 60-80 **P** = 60-70 **K** = 100-120  
Harvest the tubers before they are fully mature.



GLOBE



GOWRIE

Varieties

Production calendar

Cultivation period  
Planting/  
Harvest

Characteristics

Min Qty

Product type

Item no.

## Varieties with purple root neck

GOWRIE



80-85 days

Round tuber. Very good cold resistance. Good tolerance against powdery mildew.

50,000 Precision

Untreated

023012NK

MAGRES



90-100 days

Purple root neck and yellow flesh. Beautiful round shape. Late, very high-yield variety. Tolerance against downy mildew.

50 g

Untreated

023006NS

## Varieties with green root neck

GLOBE



90-100 days

Round tuber, with no lateral root. Very good durability in the field. Intense yellow flesh. Good storage suitability. Excellent flavour.

10,000 precision

Untreated

023005NK

WILHELMSBURGER



85-95 days

Well known variety with green head and yellow flesh. Recommended sowing: 16-22. Round tuber, very suitable for storage.

10 g

Untreated

023009NS

# Leaf vegetables 07

Spinach, lettuce, baby leaves and more... We select the best genetics in leaf vegetables. Here you will find the essential varieties for your planning, but also new additions to the range.



HERBS

HERB PLANTS

MICROGREENS

LEGUMES

FRUIT VEGETABLES

CRUCIFEROUS VEGETABLES

LEAF VEGETABLES

ROOT VEGETABLES

SWEET POTATO PLANTS

SWEET CORN

BULL VEGETABLES

BULL VEG. SEEDLINGS

PRODUCT RANGE EXPANSION

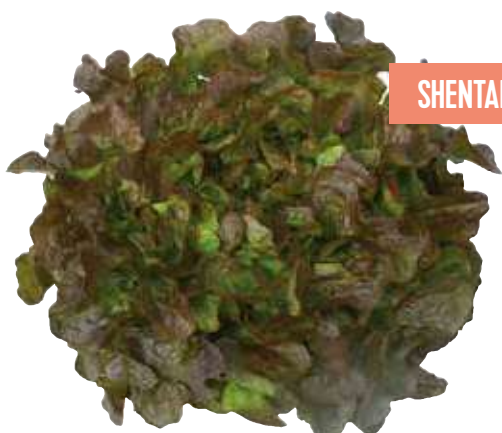
# Lettuce Greenhouse

## Green oakleaf lettuce



KIELA

## Red oakleaf lettuce



SHENTAI



## Oakleaf lettuce

Varieties	Planting calendar	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>Green oakleaf lettuce</b>						
<b>KIELA</b>	J F M A M J J A S O N D — — — — — — — — — — — —	HR: Bl:16-37EU/Nr:0	Vigorous growth, good filling, closed base, easy to harvest, long harvest window, resistant to bolting and tip burn, 13-16 plants/m <sup>2</sup> . Head colour: green.	1,000 pilled seed	Untreated	H39251NE
<b>Red oakleaf lettuce</b>						
<b>NEHERAI</b>	J F M A M J J A S O N D — — — — — — — — — — — —	HR: Bl:16-37EU/Nr:0	Stable colour; cold cultivation in tunnel/greenhouse; long harvest window; healthy, closed base, resistant to tip burn, dry burn and big-vein virus, 14-17 plants/m <sup>2</sup> .	1,000 pilled seed	Untreated	H39032NE
<b>SHENTAI</b>	J F M A M J J A S O N D — — — — — — — — — — — —	HR:BL 16-37 EU, NR 0	Closed base. Stable colour, cold cultivation in tunnel/greenhouse; compact, yellow-green filling, closed base, small cutting area; strong against tip burn and dry burn. 15-18 plants/m <sup>2</sup> . Head colour: red.	1,000 pilled seed	Untreated	H39243NE





GILMORE



PANUKIA

## Butter lettuce

Varieties	Planting calendar	Leaf colour	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>Green butter lettuce</b>							
PANUKIA	J A S O N D J F M A M J	Green	HR: Bl: 16 - 37EU	Medium green forcing lettuce with high head weight, nice base and good head filling. Head colour: medium green. Head formation: medium/large.	1,000 pilled seed	Untreated	H34185NE
PIA	J A S O N D J F M A M J	Green	HR: Bl 17 EU, Pb	Very fast butter lettuce for seedling sale and foil tunnel.	1,000 pilled seed	Untreated	H34187NE
<b>Red butter lettuce</b>							
GILMORE	J A S O N D J F M A M J	Red	HR: Bl:16-37EU	Intense red, good volume, suitable for whole season under glass.	1,000 pilled seed	Untreated	H34164NE



WILBUR



LIMEIRA



BASALMINE

## Lollo lettuce

Varieties	Planting calendar	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>Green Lollo Lettuce</b>						
LIMEIRA	J A S O N D J F M A M J	HR: Bl16-37EU IR: Fol:l	Mid-green Bionda for heated and unheated cultivation, long harvesting window; strong against bolting, tip burn and dry burn; long shelf life. Head size: large.	1,000 pilled seed	Untreated	H38146NE
<b>Red Lollo Lettuce</b>						
BASALMINE	J A S O N D J F M A M J	HR: Bl:16-37EU/ Nr:0/Pb	Double red Lollo lettuce for cold cultivation in tunnel or heated greenhouse; healthy base; 14-18 Pfl./m <sup>2</sup> . Head size: medium.	1,000 pilled seed	Untreated	H38151NE
TRAJECT	J A S O N D J F M A M J	HR: Bl:16-37EU / no.:0	Fairly upright, closed base, easy to harvest, strong against bolting. Head formation: red. Head size: large.	1,000 pilled seed	Untreated	H38154NE
WILBUR	J A S O N D J F M A M J	HR: Bl:16-33,37EU/Nr:0	Medium-red variety. Large, round shape. Vigorous even in cool weather conditions. Long harvesting window, strong against bolting.	1,000 pilled seed	Untreated	H38155NE



# Outdoor lettuce



BATSUN



STYRIA\*



EDURNE



GRAZER KRAUTHÄUPTEL 2



TIROLE



TIROLION



BATEIRA



NAIDE

## Batavia lettuce

Varieties	Planting calendar	Head		Resistances	Characteristics	Min Qty	Product type	Item no.
		Colour	Type					
<b>Green Batavia lettuce</b>								
BATEIRA	J F M A M J J A S O N D █	Green	Gentile	No:0, Bl:16-37EU	Bright green, open growth (non-heading / loose leaf), semi-curly leaves, strong leaf, good weight and harvesting window, bolt-resistant and tip-burn resistant; for the fresh food market and industry	1,000 pilled seed	Untreated	H34238NE
BATSUN	J F M A M J J A S O N D █	Green	Gentile	-	Slightly more compact than Bateira; bright green, open growth (non-heading / loose leaf), semi-curly leaves (not round), strong leaf; base not susceptible to disease; especially suitable for summer and lighter soils; good weight and harvesting window; bolt-resistant, tip-burn resistant	1,000 pilled seed	Untreated	H34239NE
EDURNE	J F M A M J J A S O N D █	Green	Head-forming	HR: Bl 17 EU	Tip-burn resistant variety for all outdoor cultivation. Head colour: bright green. Head formation: yes	1,000 pilled seed	Untreated	H38125NE
GRAZER KRAUTHÄUPTEL 2	J F M A M J J A S O N D █	Green	Head-forming	-	With characteristic red edge; speciality in Austria. Head colour: green-red. Naked seeds	1,000 pilled seed	Untreated	H38126NE
STYRIA*	J F M A M J J A S O N D █	Green	Head-forming	HR: Bl Bl 16-36EU, Nr(O) /IR: LMV 1	Medium-sized, fully resistant, head-forming Batavia lettuce of the 'Grazer Krauthäuptl' type, with intense green colour and red leaf edge. Versatile in use, impresses with its excellent field durability and is very reliable. Unique product.	1,000 pilled seed	Untreated	H38123NE
TIROLE	J F M A M J J A S O N D █	Green	Gentile	HR: Bl:16-37EU, No:0, Fol:1 /IR: LMV:1	Gentile type with good tip-burn and bolting tolerance for year-round cultivation	1,000 pilled seed	Untreated	H38130NG
TIROLION	J F M A M J J A S O N D █	Green	Head-forming	BL: Bl:16-37EU/ No:0/Pb IR: LMV: 1	Medium-sized, early-heading Batavia for year-round outdoor cultivation; flat structure, balanced head-to-leaf ratio; bolt-proof even in summer. Head colour: light green. Head formation: yes.	1,000 pilled seed	Untreated	H38128NE
<b>Red Batavia lettuce</b>								
NAIDE	J F M A M J J A S O N D █	Red-brown	Open	No:0, Bl:16-37EU, LMV:1, Fol:1 IR	Medium-sized, open variety with attractive crinkly leaves, dark red and upright; bolt-resistant and tip burn resistant	1,000 pilled seed	Untreated	H38504NE

█ Planting

\* Registration applied for

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The Guide for Vegetable Growers

**VOLTZ**  
MARAI CHAGE

Oakleaf lettuce type from Nice



CERBIATTA



HUSSARDE



Green oakleaf lettuce



POPLAR



BERENICE

Oakleaf lettuce type from Nice

Varieties	Planting calendar	Resistances	Characteristics	Min Qty	Product type	Item no.
CERBIATTA	J F M A M J J A S O N D	-	'Moroccan cress salad' type, sharply toothed leaf and unusual taste between corn salad and green lettuce. Very unusual product.	1,000 pilled seed	Untreated	039040NE
HUSSARDE	J F M A M J J A S O N D	HR: LMV 1	Bolt-resistant. Long, lancet-shaped, reddish dark green leaves.	1,000 pilled seed	Untreated	039025NE

Oakleaf lettuce

Varieties	Planting calendar	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>Green oakleaf lettuce</b>						
BERENICE	J F M A M J J A S O N D	-	Dandelion-type leaf, for outdoor cultivation (at risk from tip burn in summer).	1,000 pilled seed	Untreated	039024NE
FRELOU	J F M A M J J A S O N D	-	Beautiful oakleaf lettuce, produces good, stable seedlings. For amateur cultivation.	1,000 pilled seed	Untreated	H39026NE
KISHERI	J F M A M J J A S O N D	HR: Bl:16-37EU, Nr:0 / IR: LMV1	Bright green type. Plants similar to Kiribati. For spring and autumn harvests.	1,000 pilled seed	Untreated	H39205NE
POPLAR	J F M A M J J A S O N D	HR: Bl:16-37, NRO	Large, flat, wide base protruding from soil, base still wide and closed after cleaning; delicate leaves (no waving or protruding leaf tips), not susceptible to whorls and robust even in adverse conditions	1,000 pilled seed	Untreated	H39291NE





Oakleaf Lettuce (continued)



Varieties	Planting calendar	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>Red oakleaf lettuce</b>						
<b>ALONIX</b>	J F M A M J J A S O N D —	HR: Bl:16-37EU/Nr:0/Pb/TBSV	Versatile to use. Best variety for the summer. Suitable for year-round cultivation, attractive red oakleaf with quick development and good volume. Very reliable. Head colour: red. Head formation: no.	1,000 pilled seed	Untreated	H39233NE
<b>CORDAI</b>	J F M A M J J A S O N D —                  —	HR: Bl:16-37EU/Nr:0/IR: LMV1	Bolt-proof and resistant to tip burn.	1,000 pilled seed	Untreated	H39234NE
<b>MACAI</b>	J F M A M J J A S O N D —	Bl:16-37EU/Nr:0/IR: LMV1	Bulky plant with wide harvesting window. The slow hearting of the lettuce allows great flexibility in harvesting time, even under challenging conditions for growth.	1,000 pilled seed	Untreated	H39235NE
<b>INSIGNIAN</b>	J F M A M J J A S O N D —                  —	HR: Bl:16-37, NRO	Medium-sized, red-brown, medium-fast-growing with good weight due to large quantity of leaves; good storage life as it is bolt-resistant and tip burn resistant	1,000 pilled seed	Untreated	H39294NE
<b>VELADERO</b>	J F M A M J J A S O N D —                  —	HR: BL 16-34 EU NR O LMV I	Oakleaf lettuce for the amateur gardener range, for all uses; very attractive seedlings. Head colour: red. Recommended planting week: 9-34.	1,000 pilled seed	Untreated	H39255NE



Iceberg lettuce

Varieties	Planting calendar	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>ICE CIRCLE</b>	J F M A M J J A S O N D —	HR: Bl:16-37EU, Nr:0, Fol:4, TBSV	Fast-growing iceberg lettuce with best possible Bremia resistance for 9/10 grading. Head size: medium.	1,000 pilled seed	Untreated	H38646NE
<b>ICE PARTY</b>	J F M A M J J A S O N D —                  —	HR: Bl:16-37EU, Nr:0, TBSV	Large but slow-filling variety, has sufficient weight early on, for 8/9 grading. Head size: large.	1,000 pilled seed	Untreated	H38647NE
<b>ICE WAVE</b>	J F M A M J J A S O N D —	HR: Bl:16-37EU, Nr:0, TBSV	High tolerance to tip burn; very uniform, therefore high yield performance; nice closed base with flat ribs; for 9/10 grading. Head size: medium.	1,000 pilled seed	Untreated	H38648NE
<b>TEMPLIN</b>	J F M A M J J A S O N D —                  —	HR: Bl 16-37, NRO	Medium to large size, high yield performance due to upright, tight head and direct access to the head; strong against red rib (rib blight), not susceptible to sunburn; long harvesting window; for fresh food market and industry	1,000 pilled seed	Untreated	H38957NE

— Planting



ICE WAVE



FIRSTKIN



GONDAR



ICE MUSIC



ICE RING



SKINDEL



SPRINKING



EDUARDO

## Iceberg lettuce

Varieties	Planting calendar	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>BARCELONA</b>	J F M A M J J A S O N D — — — — — — — — — — — —	HR: BI: 16, 19, 21, 23EU, Nr: O.	Large type with good number of outside leaves and round head shape. A large covering leaf makes shrink-wrapping easier and optimises the presentation. Stable head shape in spring.	1,000 pilled seed	Untreated	O38012NE
<b>EDUARDO</b>	J F M A M J J A S O N D — — — — — — — — — — — —	HR: BI:16-37EU, BI:1-9US, Nr:O, Pb	Very uniform; round, attractive, uniform head. Fast hearting. Bolt-proof and secure against tip burn. A grade 10 iceberg lettuce with extremely high uniformity; suitable for all growing regions; very reliable and very versatile; also ideal for cultivation under protective net. Head formation: large.	1,000 pilled seed	Untreated	H38624NE
<b>FIRSTKIN</b>	J F M A M J J A S O N D — — — — — — — — — — — —	HR. BI 16-37, NRO	Very reliable and stable round head shape with good, protective outside leaves on head; grade 10; quicker than Rockin but with Nr.O resistance on light to medium-heavy soils; very bolt-proof and secure against tip burn; strong against red rib, and with thick leaves	1,000 pilled seed	Untreated	H38955NE
<b>GONDAR</b>	J F M A M J J A S O N D — — — — — — — — — — — —	HR. BI 16-37, NRO	Large type with medium outer leaves, very fast, upright; round to round/flat type (to avoid rib cuts), increased volume due to uniform layers, therefore does not become too firm/compact; good harvesting window and high yield; easy to pack and stable when lying in the crate, due to its shape; for fresh food market and industry.	1,000 pilled seed	Untreated	H38951NE
<b>ICE MUSIC</b>	J F M A M J J A S O N D — — — — — — — — — — — —	HR: BI: 16 - 37EU, Nr: O, TBSV	Summer iceberg lettuce with reliable head formation, even in very hot conditions. Head formation: large.	1,000 pilled seed	Untreated	H38653NE
<b>ICE RING</b>	J F M A M J J A S O N D — — — — — — — — — — — —	HR: BI: 16, 18 - 37EU, Nr: O, Fol: 4, TBSV	All year-round variety for semi-professional cultivation. Very attractive seedlings.	1,000 pilled seed	Untreated	H38655NE
<b>SKINDEL</b>	J F M A M J J A S O N D — — — — — — — — — — — —	HR: BI: 16 - 36EU, Nr: O.	Large, flat and round, with broad base and close-lying ribs; slow-growing. Very secure head formation even in very hot conditions. Bolt-proof and proof against tip burn. Very versatile due to the long harvesting window; for grade 8-10 pack. Suitable for all soil types.	1,000 pilled seed	Untreated	H38642NE
<b>SPRINKING</b>	J F M A M J J A S O N D — — — — — — — — — — — —	HR. BI 16-37, NRO	Medium to large and fast-filling; flat, round head shape with flat, close-fitting ribs on the underside and protective outer leaf on the head; very bolt-proof, reliable head formation with thick leaf, not suitable for heavy soils	1,000 pilled seed	Untreated	H38956NE



**AFERDITA**



**ANALENA**



**ANALOTTA**



**AURELIAN**



**MAGICIAN**

## Butter lettuce

Varieties	Planting calendar	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>Green butter lettuce</b>						
<b>AFERDITA</b>	J F M A M J J A S O N D █          █	HR: Bl:16-37EU, Nr:0 IR: LMV:1	Medium to large butter lettuce with a very nice structure; quick head closure and long field durability, also suitable for processing.	1,000 pilled seed	Untreated	H38131NE
<b>ANALENA</b>	J F M A M J J A S O N D █                  █	HR: Bl: 16-25,27,35,37 EU, Nr:0, Pb IR: LMV:1	Large grade 6 - 12 lettuce for spring and autumn growing; the head is relatively loosely filled, which makes the variety very suitable for processing; very good field durability. Head formation: very large.	1,000 pilled seed	Untreated	H35109NE
<b>ANALOTTA</b>	J F M A M J J A S O N D █          █	HR: Bl:16-37EU, Nr:0 IR: LMV:1	Compact plant for summer, early head formation. Very attractive round base with limited cutting surfaces. Easy to cut.	1,000 pilled seed	Untreated	H35030NE
<b>AURELIAN</b>	J F M A M J J A S O N D █                  █	HR: Bl: 16-35 EU, Nr: 0, IR: LMV 1	Medium-sized butter lettuce for spring and autumn production; the closed, flat base ensures easy harvesting; thin, elastic ribs mean no breaking and fast packing; high number of outer leaves guarantees reliability, in particular where there is much soil-borne disease; attractive, fresh colour and good head filling. Head formation: medium.	1,000 pilled seed	Untreated	H38132NE
<b>BARCIA</b>	J F M A M J J A S O N D █                  █	HR: BL: 16-37EU, NRO	Large, quick-growing butter lettuce, very broad base; blond, strong head formation; for fresh food market and industry; best suited to early and late cultivation	1,000 pilled seed	Untreated	H34240NE
<b>BIRGIT</b>	J F M A M J J A S O N D █                  █	HR: BL 16-37EU,NRO	Medium to large butter lettuce with many outer leaves for good crate filling; attractive, wide base, mid-blond, flat structure; good harvesting window; medium-strong and late head formation; best suited to early and late cultivation	1,000 pilled seed	Untreated	H35150NE

█ Planting

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The Guide for Vegetable Growers

**VOLTZ**  
MARAIÇAGE



ORELIAN



RADIAN



SAPPIAN



MAFALDA



TOUAREG



DICATA



VITRINE



JERRICAN

Varieties	Planting calendar	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>Green butter lettuce (continued)</b>						
<b>DICATA</b>	J F M A M J J A S O N D █	HR: BI: 16-37 EU, Nr: O, Pb IR: LMV:1	Medium to large size with a shiny colour and very nice structure. High field durability despite fast head closure, bolt-proof and very tolerant against tip burn. Head formation: medium.	1,000 pilled seed	Untreated	H38133NE
<b>MAFALDA</b>	J F M A M J J A S O N D █	HR: BI 16-37EU, Nr: O - IR: LMV:1	Large, medium-blond lettuce with a wide, round, voluminous head that closes early and fills slowly, giving a long harvesting window. Bolt-proof and secure against tip burn.	1,000 pilled seed	Untreated	H35108NE
<b>MAGICIAN</b>	J F M A M J J A S O N D █	HR: BI 16-28, 30-32 EU, Nr O	Medium green; flat head with good filling, therefore good for grade 12 packing; planting in combination with faster variety 4-6 days later; long harvesting window. Head formation: large.	1,000 pilled seed	Untreated	H38135NE
<b>ORELIAN</b>	J F M A M J J A S O N D █	BI: 16 - 35, 37EU, Nr: O IR: LMV 1	Reliable, medium-sized butter lettuce for the summer harvest; very attractive lettuce with reliable head filling; fresh green colour; good base for a quick harvest; strong against bottom rot and bolting; good tolerance to tip burn. Head formation: medium.	1,000 pilled seed	Untreated	H38136NE
<b>RADIAN</b>	J F M A M J J A S O N D █	BI: 16 - 37EU, Nr: O, TBSV IR: LMV: 1	Attractive seedling for amateur cultivation. Head formation: medium.	1,000 pilled seed	Untreated	H38137NE
<b>SAPPIAN</b>	J F M A M J J A S O N D █	HR: BI:16-37EU, Nr:O, TBSV IR: LMV:1	New, medium to large butter lettuce with full resistance to mildew, for growing from autumn to spring.	1,000 pilled seed	Untreated	H38138NE
<b>TOUAREG</b>	J F M A M J J A S O N D █	HR: BI 16-26, 28, 32 EU, Nr O / IR: LMV 1	Reliable year-round variety for the amateur market; attractive seedling. Head formation: medium.	1,000 pilled seed	Untreated	H35107NE
<b>VITRINE</b>	J F M A M J J A S O N D █          █	HR: BI 16-36 EU, Nr: O, Pb, TBSV / IR: LMV 1/Fol:1	Medium-fast head closure and filling; a less densely filled head; for processing and the fresh food market. Head formation: medium.	1,000 pilled seed	Untreated	H38142NE
<b>Red butter lettuce</b>						
<b>JERRICAN</b>	J F M A M J J A S O N D █	HR: BI 16-37EU, Nr:O / IR: LMV 1	Intense red head, fast head filling, flat base, easy to harvest.	1,000 pilled seed	Untreated	H35025NE



BARTIMER



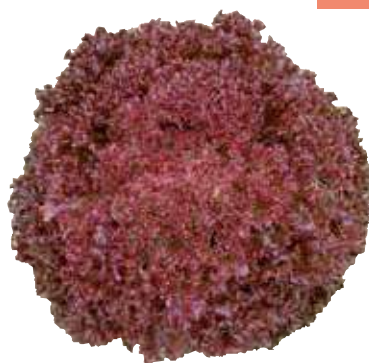
LISBON



SOLMAR





XENON



MONZA



## Lollo lettuce

Varieties	Planting calendar	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>Green Lollo Lettuce</b>						
 <b>BARTIMER</b>	J   F   M   A   M   J   J   A   S   O   N   D —	-	Blond, medium curly; grows to weight quickly; bolt-proof and secure against tip burn; upright and loosely packed; high harvest yield as easy to clean; low risk of leaf breakage, as leaves are flexible	1,000 pilled seed	Untreated	H38390NE
<b>LISBON</b>	J   F   M   A   M   J   J   A   S   O   N   D —	HR: Bl:16-37EU, Nr:O, Pb / IR: LMV:1/Me	Year-round, medium-sized, round, balanced head shape. Healthy base, long field durability, strong against bolting and tip burn. Head formation: medium green.	1,000 pilled seed	Untreated	H38148NE
<b>VILI</b>	J   F   M   A   M   J   J   A   S   O   N   D —	-	For amateur growers.	1,000 pilled seed	Untreated	H38150NE
<b>Red Lollo Lettuce</b>						
<b>MONZA</b>	J   F   M   A   M   J   J   A   S   O   N   D —	HR: Bl:16-33,35,37EU, NRO, IR: Fol.1	Intense red Lollo, well filled; closed base; easy to harvest; low susceptibility to bolting.	1,000 pilled seed	Untreated	H38152NE
 <b>SOLMAR</b>	J   F   M   A   M   J   J   A   S   O   N   D —	HR: Bl:16-33,35,37EU, Nr:O, Fol:1 IR	Fast, open growth, coarsely curled; upright growth habit therefore especially protected in early and late cultivation (increased risk of rot); good weight	1,000 pilled seed	Untreated	H38394NE
<b>XENON</b>	J   F   M   A   M   J   J   A   S   O   N   D —	HR: Bl 16-20, 22-24, 27, 28, 30, 31 EU	Lollo Rosso with universal usability for amateur sector; very attractive seedling. Head formation: red. Head size: large.	1,000 pilled seed	Untreated	H38337NE



NEW



FANUGO



IZIGO

NEW



RUGBEE

NEW



SPLASHBEE

XALBADORA



XAMENA



BELENDRA



## Romaine lettuce

Varieties	Planting calendar	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>BELENDRA</b>	J F M A M J J A S O N D	HR: BI 16-35,37 EU	Red mini Romaine lettuce for the entire outdoor season; strong against tip burn, high bolting tolerance; beautiful yellow filling - good demarcation between red and yellow/green. Head formation: cherry red. Head size: mini.	1,000 pilled seed	Untreated	H35586NE
<b>FANUGO</b>	J F M A M J J A S O N D	HR:BL: 16-36 EU, NR O, LMV 1	Very secure against tip burn; beautiful yellow filling; long harvest window; ideal for grade 2 and 3 packs.	1,000 pilled seed	Untreated	H35590NE
<b>FLAMINGO</b>	J F M A M J J A S O N D	HR: BI:16-37EU, Nr:0	Very strong against tip burn; suitable for late spring onwards into autumn; also suitable for production under nets.	1,000 pilled seed	Untreated	H35591NE
<b>INSTAGRAL</b>	J F M A M J J A S O N D	HR: BI:16-37EU, Fol:1 IR: LMV:1	Large, blonde Romana (Romaine) (33 cm); due to its very high yield potential also ideal for processing; extreme resistance to breaks thanks to SolidRib™.	1,000 pilled seed	Untreated	H35593NE
<b>IZIGO</b>	J F M A M J J A S O N D	HR: BI: 16-37EU, Nr:0 / TBSV	New variety with slender shape and easy to harvest; very good bolt-resistance. Head formation: green. Head size: mini.	1,000 pilled seed	Untreated	H35594NE
<b>RUGBEE</b>	J F M A M J J A S O N D	BI:16-30, 32, 34BI:16-30,32,36EU	Year-round Nuancen is larger and more slow-growing than Thimble (go well together in terms of harvesting window); late closing and filling; good harvesting window; beautiful upright, elongated head, close-fitting flat ribs with no vegetation; quick to harvest due to round head closure (leaves not in a vase-like arrangement); very good and quick to pack in a duo pack (low risk of cellophane being damaged); very bolt-proof and secure against tip-burn	1,000 pilled seed	Untreated	H35633NE
<b>SPLASHBEE</b>	J F M A M J J A S O N D	BI:16-37EU	Year-round; Nuancen larger and more slow-growing than Thimble (go well together in terms of harvesting window); late closing and filling; good harvesting window; beautiful upright, elongated head, close-fitting flat ribs with no vegetation; quick to harvest, round head closure (leaves not in a vase-like arrangement); very good and quick to pack in a duo pack (low risk of cellophane being damaged); very bolt-proof and secure against tip-burn	1,000 pilled seed	Untreated	H35634NE
<b>THIMBLE</b>	J F M A M J J A S O N D	HR: BI: 16-36EU, Nr:0, LNSV	Upright, elongated head, grows to approx. 18 cm. Bolt-proof and proof against tip burn. Performs well in harvesting and packaging due to excellent closed, dense head.	1,000 pilled seed	Untreated	H35583NE
<b>TYPICAL</b>	J F M A M J J A S O N D	HR: BI: 16-37EU, Nr:0, Fol:1, TBSV	Midi Romana (Romaine) for the entire growing season; very good storage life, up to 30 cm tall. Head formation: green. Head size: midi.	1,000 pilled seed	Untreated	H35595NE
<b>XALBADORA</b>	J F M A M J J A S O N D	HR: BI: 16-36EU, Nr:0, TBSV / IR: LMV:1	Xanadu type, beautiful yellow heart, early filling. Good tolerance against inner necrosis.	1,000 pilled seed	Untreated	O35568NE
<b>XAMENA</b>	J F M A M J J A S O N D	HR: BL 16-36 EU, NR O, TBSV / IR: LMV:1 Ss	Shorter type with well-filled yellow heart, good, medium-late head closure and flat leaf ribs, upright growth, good and productive to harvest and pack, wide harvest window and good tip burn and bolting tolerance, ideal for high-density planting and very suitable for cultivation under bird protection nets. Head formation: dark green. Head size: mini.	1,000 pilled seed	Untreated	H35596NE

CANAGIO



NEW

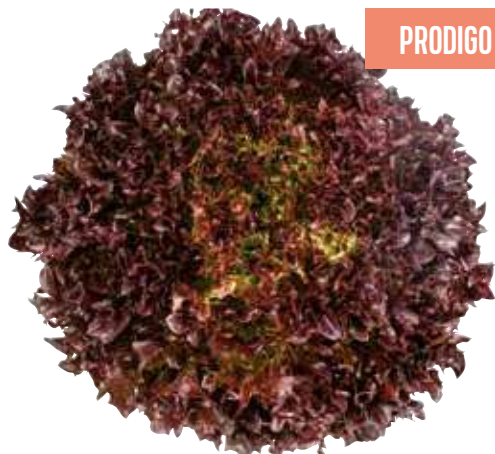
NORDICE



ESTAGIO



PRODIGO



RUBAGIO



## Bellagio® lettuce

Varieties	Planting calendar	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>Green Bellagio® lettuce</b>						
<b>CANAGIO</b>	J   F   M   A   M   J   J   A   S   O   N   D █	HR:BI 16-37EU/Nr:0	Bellagio lettuce in the green butter lettuce range for year-round cultivation. Type: Green butter lettuce. Head size: medium.	1,000 pilled seed	Untreated	H39280NE
<b>NORDICE</b>	J   F   M   A   M   J   J   A   S   O   N   D █	HR: BI: 16-37EU, TBSV / IR: LMV: 1	Bellagio in the crisp Iceberg segment with extremely crunchy leaves	1,000 pilled seed	Untreated	H39296NE
<b>Red Bellagio® lettuce</b>						
<b>ESTAGIO</b>	J   F   M   A   M   J   J   A   S   O   N   D █	HR:BI 16-35,37EU/Nr:0/TBSV	Bellagio lettuce in the red midi oakleaf lettuce range for year-round outdoor cultivation and hydroponic cultivation; good growth rate combined with attractive colouring. Type: Midi oakleaf red . Head size; medium.	1,000 pilled seed	Untreated	H39277NE
<b>GREWGER</b>	J   F   M   A   M   J   J   A   S   O   N   D █	HR: BI: 16, 18-21, 23-26, 28-37EU	New lettuce type with lots of uniform, round, extra-crunchy leaves. Its size makes it perfect for burgers, meaning less waste. Excellent flavour. High field stability in hot conditions.	1,000 pilled seed	Untreated	H39295NE
<b>PRODIGO</b>	J   F   M   A   M   J   J   A   S   O   N   D █	HR:BI 16-37EU/Nr:0	Bellagio lettuce in the red oakleaf range with notched leaves and very high yield potential. Type: Oakleaf lettuce red. Head size: medium.	1,000 pilled seed	Untreated	H39278NE
<b>RUBAGIO</b>	J   F   M   A   M   J   J   A   S   O   N   D █	HR:BI 16-37EU/Nr:0	Bellagio lettuce in the red butter lettuce range for year-round cultivation. Type: Butter lettuce red. Head size: medium.	1,000 pilled seed	Untreated	H39279NE

BARLACH



CARAVEL



HAWKING



EXOGRAPHIE



TRALEX



## Salanova® lettuce

Varieties	Planting calendar	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>BARLACH</b>	J   F   M   <b>A</b>   <b>M</b>   J   J   <b>A</b>   S   O   N   D	HR: Bl:16-37EU, Nr:0	Robust, red, outdoor lettuce with good volume; suitable for early cultivation under cover.	1,000 pilled seed	Untreated	H39246NE
<b>CARAVEL</b>	J   F   M   <b>A</b>   <b>M</b>   J   J   <b>A</b>   S   O   N   D	HR: Bl: 16-32, 34, 36 EU, Nr.0 / IR: LMV 1	Similar to Novita, for outdoors, greenhouse and hydroponics. Compact, robust single leaf, single head, flow pack, lettuce trio pack, long shelf life. Strong against bolting, dry burn and tip burn. Head formation: dark green. Head size: medium.	1,000 pilled seed	Untreated	H39285NE
<b>EXOGRAPHIE</b>	J   F   M   <b>A</b>   <b>M</b>   J   J   <b>A</b>   S   O   N   D	HR: Bl: 16-36 EU, Nr.0 / IR: LMV 1	Very beautiful curled leaf. Very bolt-proof.	1,000 pilled seed	Untreated	H39239NE
<b>HAWKING</b>	J   F   M   <b>A</b>   <b>M</b>   J   J   <b>A</b>   S   O   N   D	HR: Bl:16-37EU/Nr:0	Bright, intense green colour. Early hearting.	1,000 pilled seed	Untreated	H39240NE
<b>TRALEX</b>	J   F   M   <b>A</b>   <b>M</b>   J   J   <b>A</b>   S   O   N   D	HR: Bl:16-37EU/Nr:0	Spherical head, strong against bolting, deeply notched crisp leaf. Use as single head, open bag or twin pack. Head formation: red. Head size: compact.	1,000 pilled seed	Untreated	H39281NE

# Babyleaf

## Lettuce *Lactuca sativa*

Varieties	Type	Resistances	Sowing	Characteristics	Min Qty	Product type	Item no.
<b>CRISPITA II</b>	Lollo green	HR: BI16-37EU/ Fol:4 / IR: LMV:1.	6 - 43	Very vigorous green, thick, robust, crisp leaf.	25,000 seeds	Untreated	H38144NG
<b>RED CRISPITA II</b>	Lollo red	HR: BI16-37EU, TBSV.	6 - 43	Unique combination of red colour and crisp leaf.	25,000 seeds	Untreated	H38153NG
<b>ICEVITA</b>	Iceberg lettuce green	HR: BI16-37EU, Nr:0, TBSV.	6 - 43	Robust, crisp baby leaf with very good storage life.	10,000 seeds	Untreated	H38649NG
<b>GREENFLASH</b>	Oakleaf lettuce green	HR 16-37EU	6 - 43	Very attractive, dark green variety. Extremely good shelf life. Compact structure with very curly leaf.	10,000 seeds	Untreated	H39209NG
 <b>WOLFLASH</b>	Oakleaf lettuce green	HR 16-37EU	6 - 43	Very beautiful variety with good storage life, curly leaf, further development of Greenflash	10,000 seeds	Untreated	H39293NG
 <b>TEARFLASH</b>	Oakleaf lettuce green	HR 16-37EU	6 - 43	Darker than Wolflash, otherwise similar in size and type	10,000 seeds	Untreated	H39292NG
<b>REDFLASH</b>	Oakleaf lettuce red	HR 16-37EU	6 - 43	Very curly, thick-leaved, dark red variety. Suitable for all growing periods.	10,000 seeds	Untreated	H39272NG
<b>THORFLASH</b>	Oakleaf lettuce green	HR 16-37EU	6 - 43	Brilliant emerald green colour. Very thick, round curled leaf. Suitable for all growing periods.	10,000 seeds	Untreated	H39261NG
<b>ADELITA II</b>	Batavia red	HR: BI16-37EU, Nr:0, Fol:1, TBSV.	6 - 43	Batavia Babyleaf with attractive intense cherry-red colour.	25,000 seeds	Untreated	H38132NG
<b>BRAVAFLASH</b>	Batavia green	HR 16-37EU	6 - 43	Dark green, thick-leaved variety. Very curly leaf for good volume. Suitable for all growing periods.	10,000 seeds	Untreated	H39264NG
<b>NITAFFLASH</b>	Batavia red	HR 16-37EU	6 - 43	Dark red variety with uniform solid colouring. Very thick, very curly leaf. Suitable for all growing periods.	10,000 seeds	Untreated	H39271NG
<b>YELITA</b>	Batavia green	HR: BI16-37EU/ Nr:0/Fol:1/ TBSV.	6 - 43	Medium-fast-growing Batavia Baby Leaf with thick leaf; excellent storage life and high yield potential.	25,000 seeds	Untreated	H38131NG
<b>PRELUDA</b>	Red Romana (Romaine)	HR: BI:16-37EU, Nr:0, TBSV; IR: LMV1. /	6 - 43	Red Romana (Romaine) with leaf similar to corn salad; good for production of 'red corn salad'. Cultivation period: 1-52. Type: Romana (Romaine) red corn salad.	25,000 seeds	Untreated	H35587NG
<b>TRÈS FINE MARAÎCHÈRE</b>	Frisee	-	6 - 43	Flat, very cut-out leaves.	10 g	Untreated	H09011NS
<b>MÉLANGE TOUTES SAISONS</b> 🌱	Mix	-	Year-round	Blend of 6 varieties of our baby leaf range, consisting of 60% red leaves and 40% green leaves.	10,000 seeds	Untreated	O38108NG



CRISPITA II

RED CRISPITA II



ICEVITA

ADELITA II

YELITA

TRÈS FINE MARAÎCHÈRE



MÉLANGE TOUTES SAISONS\* 🌱  
Mix of 6 varieties of baby leaf

PRELUDA



## Rocket

Varieties	Characteristics	Min Qty	Product type	Item no.
<b>Wild rocket <i>Diplotaxis tenuifolia</i></b>				
<b>ATHENA (TZ 1441)</b>	Two days later than Saturn, good bolting tolerance; finely pinnate leaf and mildew tolerance. Sowing time: 1-52. Recommended planting weeks outdoors: 8-36. Recommended planting weeks under glass: 1-52.	10,000 seeds	Untreated	H54635NG
<b>FRESCA</b>	Short cultivation cycle for winter. Very cut-out leaves. Tolerance against mildew.	100,000 seeds	Untreated	H54624NG
<b>HERACLES</b>	New generation of mildew-resistant rocket, stable variety, upright-growing leaf structure, finely pinnate leaf.	50,000 seeds	Untreated	H54637NG
<b>IRIS</b>	Fine dark-green type with serrated leaves. Intense flavour.	50 g	Untreated	05463INS
<b>MIRANDA</b>	Very cut-out leaves. Very dark green colour. Tolerance against mildew.	100,000 seeds	Untreated	H54623NG
		5,000 Pilled seed	Untreated	054623NME
<b>MONTANA</b>	Robust, dark green variety with well serrated leaves. Intense flavour.	10 g	Untreated	054620NS
		100 g	Treated	054620FS
		1,000 pilled seed	Untreated	054620NME
<b>SATURN (TZ 1138)</b>	Mildew-tolerant new variety, very quickly brings high yields, pinnate leaves; another strength of this variety are the small yellow cotyledons during harvest. Sowing time: 1-52. Recommended planting weeks outdoors: 8-36. Recommended planting weeks under glass: 1-52.	10,000 seeds	Untreated	H54638NG
<b>TOSCANA</b>	Summer variety with good bolt-tolerance. Dark green serrated leaf with wide leaf blades and high yield potential.	10 g	Untreated	054619NS
		100 g	Treated	054619FS
<b>VOYAGER</b>	Vigorous and uniform growth, thick, dark green, upright, deeply serrated leaves; the taste is mild and nutty, the upright leaves make the variety particularly suitable for row sowing and planting. Sowing time: 1-52. Recommended planting weeks outdoors: 8-36. Recommended planting weeks under glass: 1-52.	10,000 seeds	Untreated	H54620NG
<b>Rocket <i>Eruca sativa</i></b>				
<b>HILMAR</b>	Vigorous plant with high yield potential.	100 g	Untreated	054630NS
			Treated	054630FS
<b>VENETIA</b>	Selection of the <i>Eruca sativa</i> type with the serrated leaf shape of wild rocket. Very fast-growing. Particularly recommended for growing in late autumn, winter and spring.	10 g	Untreated	05462INS



**Wild rocket** *Diplotaxis tenuifolia*



**TOSCANA** 🌱



**MONTANA** 🌱



**MIRANDA** 🌱

**NEW**



**HERACLES**

**NEW**



**IRIS** 🌱

Intense flavour

**Rocket** *Eruca sativa*



**VENETIA**



**HILMAR** 🌱



## Asian greens

Species	Varieties	Characteristics	Sowing	Min Qty	Product type	Item no.
<b>MIX</b>	<b>SAMOURAÏ MIX</b> 🌱	This blend consists of mizuna, red mustard, tatsoi, red pak choi, cress and rocket with serrated leaves.	Spring to autumn	50g	Untreated	039563NS
	<b>BLOODY MARY</b>	Spicy mustard lwith bright red blades and light green offset leaf stem. Very good marked colouring even under poor light conditions.	Year-round	10 g	Untreated	039573NS
<b>MIZUNA</b> <i>Brassica rapa V. japonica</i>	<b>MASERATI F1</b>	Beautiful, wine-red mizuna. Slightly serrated leaves. Fast growth.	Spring to autumn	10 g	Untreated	039553NS
	<b>NAGOYA</b>	Mizuna ((Brassica camp., Japonica group); strongly pinnate leaf, for autumn to winter harvest, fast-growing, high yield, very cold-tolerant. Naked seeds. Head colour: dark green.	Year-round	10 g	Untreated	H39512NS
	<b>RED FEATHER</b>	Finely pinnate mizuna variety, narrow leaf, very intense red colour. Naked seeds.	Year-round	10 g	Untreated	H39575NS
<b>PAK CHOÏ</b> <i>Brassica rapa V. chinensis</i>	<b>SAGAMI</b>	Variety with flat, wide, white stems and dark green, tall, round leaves; mild mustard taste. Very upright growth.	Year-round	10 g	Untreated	H39568NS
	<b>SANGRIA</b> ® 🌱	Brings some originality into your range. The leaves change colour irrespective of the production season. The leaves are claret on the top and red-veined on the underside. The leaf stem is intensely green and very tasty.	Year-round	10 g	Untreated	039538NS
	<b>FRIZZY LIZZY</b> 🌱	Heavy-fringed, red-leaf variety. With the three-dimensional growth, mixed salads are given a full volume. Attractive variety.	Year-round	10 g	Untreated	039558NS
	<b>FRIZZY JOE</b> 🌱	Light green coloured leaf mustard with pleasantly mild mustard flavour. The very attractive-looking, heavily sinuate and pinnate leaf brings lots of volume to a mixed salad.	Year-round	10 g	Untreated	039559NS
<b>MUSTARD</b> <i>Brassica juncea</i>	<b>LUSSAN</b>	Very cut-out, thin leaves. Nice texture and very good taste, very beautiful in mixtures.	Year-round	10 g	Untreated	039535NS
	<b>MUSRED</b>	Excellent brilliant red colour, bright red even under warm growing conditions. Salad leaves with a characteristic mustard flavour. For harvesting from spring to autumn. Ready to cut after 4-5 weeks, depending on the season. Naked seeds.	Year-round	10 g	Untreated	039577NS
	<b>RED GIANT</b>	Large, crimson leaves. Fairly bolt-resistant.	Year-round	10 g	Untreated	0395012NS
<b>TATSOÏ</b> <i>Brassica rapa V. marinosa</i>	<b>VULCANO</b> 🌱	Beautiful, uniform and bright colour. Thick leaves enable a high yield. Short cultivation cycle allows the cultivation time to be shortened.	Spring to autumn	10 g	Untreated	039565NS
	<b>SILVERSTONE F1</b> 🌱	Suitable for year-round production. Upright growth. High yield.	Year-round	10 g	Untreated	039540NS





**SAMOURAÏ MIX** 🌱



**BLOODY MARY**



**MASERATI F1**



**RED FEATHER**



**SANGRIA**



**RED GIANT**



**FRIZZY LIZZY** 🌱



**FRIZZY JOE** 🌱



**LUSSAN**



**MUSRED**




**RED TATSOI VULCANO** 🌱



**GREEN TATSOI SILVERSTONE F1** 🌱

HERBS  
HERB PLANTS  
MICROGREENS  
LEGUMES  
CRUCIFEROUS VEGETABLES  
FRUIT VEGETABLES  
LEAF VEGETABLES  
ROOT VEGETABLES  
SWEET POTATO PLANTS  
SWEET CORN  
BULB VEGETABLES  
BULB VEG. SEEDLINGS  
PRODUCT RANGE EXPANSION

## Other

Species	Varieties	Characteristics	Sowing	Min Qty	Product type	Item no.
<b>CRYSTALLINE ICEPLANT</b> <i>Mesembryanthemum crystallinum</i>	<b>CRISTAL</b> 🌱	Fleshy leaves. Stems and leaves have a crystalline appearance. Slightly acidic taste.	3,000	10 g	Untreated	057032NS
<b>CABBAGE - KALE</b> <i>Brassica oleracea</i>	<b>DWARF GREEN CURL SCOTCH</b>	A variety that is particularly suitable for baby leaf production. Curly leaf edges, slightly cut-out leaves.	Year-round	10 g	Untreated	039554NS
	<b>BARBY</b> 🌱	Pink stem and leaf ribs, uniform growth, optimal for baby leaf production, good storage life after harvesting	Spring, summer, autumn	50 g	Untreated	051040NS
	<b>RED CHARD GALAXY F1</b> 	Shiny green leaf colour, stems and leaf veins are an intense red. Cultivation period: 1-52. Type: Swiss Chard Rotadrig.	Year-round	10,000 seeds	Untreated	051027NG
<b>SWISS CHARD</b> <i>Beta vulgaris</i>	<b>FIREBIRD</b>	Bright red leaf colour, intense red stem.	Year-round	50 g	Untreated	051043NS
	<b>RHUBARB CHARD</b>	Upright growing Swiss chard with red stem for baby leaf production. Fresh green shiny leaf. Develops green leaves with red leaf stem, high-contrast veining; upright, oval leaves; suitable for baby leaf production and fresh salad; sowing outdoors from March to August; phased planting recommended.	Year-round	50 g	Untreated	051041NS
<b>RED BEET</b> <i>Beta vulgaris L. conditiva alef..</i>	<b>BULL'S BLOOD</b> 🌱	The beautifully coloured leaves, in an attractive red, give the harvests beautiful colouring in autumn, winter and spring.	Year-round	50 g	Untreated	003201NS
<b>RED AMARANTH</b> <i>Amaranthus tricolor</i>	<b>AZTEC</b>	Extension of the baby leaf range; intensely cherry-red colour, makes an ideal garnish, mild and delicate flavour. Cultivation period: 1-52. Type: Amaranthus tricolor.	Year-round	100 g	Untreated	058011NS
<b>RED ORACH</b> <i>Atriplex hortensis</i>	<b>MAGNUM</b> 🌱	Its velvet red colour adds variety to any mixture. A new flavour, tasting slightly of iodine.	Spring, summer, autumn	10 g	Untreated	0395202NS
	<b>AKITA</b> 🌱	Leaves with caraway and cinnamon flavour. Also called 'shiso'.	Spring, summer, autumn	10 g	Untreated	0395211NS
<b>PERILLA</b> <i>Perilla frutescens L.</i>	<b>SHISO</b>	Very fragrant, aromatic annual, spicy aroma. Also known as Japanese parsley.	Spring, summer	10 g	Untreated	039566NS



CRISTAL



DWARF GREEN CURL SCOTCH

NEW



RED CHARD GALAXY F1



BULL'S BLOOD



RHUBARB CHARD



AZTEC



MAGNUM



AKITA



SHISO

# Corn salad

*Valerianella locusta L.*



## FROST

Versatile in use and short cultivation time in winter



## PAUDIUM

Heat tolerant and universal



## MATCH



## VALENTIN

**Sowing:**  
Year-round

**Seed requirements:**  
12 to 15 kg/ha for large-grained varieties  
6.5 to 8.5 kg/ha for small-grained varieties  
or 5 to 6 million seeds/ha  
2 g for 1,000 plants  
Large-grained varieties: 500-600 seeds/g  
Small-grained varieties: 700-1,000 seeds/g

**Pre-cultivation:**  
3 to 8 weeks

**Germination:**  
7-20 days



**Planting density:**  
500 to 1,000 plants per m<sup>2</sup>  
Row spacing: 10 to 15 cm

**Fertilisation (u/ha):**  
N = 40-60 P = 30-50 K = 80-100  
Caution with nitrogen residues

Varieties	Seed sowing calendar	Shape	Use	Characteristics	Min Qty	Product type	Item no.
<b>FROST</b>			Trays, salad bags	Rapid growth in cold or low light conditions. Dark green leaf, versatile in use. Ideal for direct sale & gastronomy. Low tendency to yellow cotyledons	10,000 precision	Treated	041049FK
					100,000 precision	Untreated	041049NK
<b>MATCH</b>			Trays, salad bags	Variety to be used for all types of cultivation. Very good field durability. Compact, dense structure produces high yields.	10,000 precision	Treated	041039FK
<b>PAUDIUM</b>			Trays, salad bags	Good heat resistance, universal use, dark green leaf. Very good for tray products (food industry)	100,000 precision	Treated	041048FK
					100,000 precision	Untreated	041048NK
<b>AUDACE</b>			Trays, salad bags	Bolt-resistant, high yield; for trays, bags; universal use variety, year-round cultivation possible. Suitable for mechanical harvesting, ready products. Earliness: medium-early.	100,000 precision	Treated	H41003FK

Sowing Registration applied for



AUDACE



PALACE



GALA



BARON



ODEON



VIT

Varieties	Seed sowing calendar	Shape	Use	Characteristics	Min Qty	Product type	Item no.
<b>BARON</b>	J F M A M J J A S O N D		Ready products	Baron is a very fast corn salad variety the variety has broad, round, dark green leaves Less soiling, good cutting performance and easy preparation due to its upright growth.	50,000 Precision	Untreated Treated	H41060NK H41060FK
<b>ELIXIR</b>	J F M A M J J A S O N D		Trays, salad bags	Compact variety with round, thick leaf; hardy plant for a long shelf life; very resistant even in cold, wet conditions; intense taste and crunchy bite. Ideal for direct sale & gastronomy. Earliness: medium-early.	100,000 Precision	Untreated	H410120NK
<b>GALA</b>	J F M A M J J A S O N D		Trays, salad bags	Good field emergence, even in high temperatures; strong vigorous growth, above all for summer cultivation. Earliness: medium-early.	50,000 Precision	Treated	H410201FK
<b>ODEON</b>	J F M A M J J A S O N D		Trays, salad bags	New corn salad variety for spring and autumn production. Fast, dark green variety with upright leaf formation. Low tendency to yellow cotyledons	50,000 Precision	Untreated Treated	H41062NK H41062FK
<b>PALACE</b>	J F M A M J J A S O N D		Trays, salad bags	Thick-leaved and robust, also for winter cultivation under cover for late harvest, high yield potential, optimal for packing in bags. Earliness: medium-early.	50,000 Precision	Treated	H410440FK
<b>VALENTIN</b>	J F M A M J J A S O N D		Trays, salad bags	The benchmark for summer production under flees and foil. Germinates even in high temperatures. High yield, even in adverse conditions. Hardy corn salad with thick, shiny, dark green leaves.	100,000 Precision	Treated Untreated	041017FK 041017NK
<b>VIT</b>	J F M A M J J A S O N D		Trays, salad bags	Old tried and tested variety, very good for autumn and winter use.	1 kg 50 g 50,000 Precision	Treated Untreated Untreated	0410072FS 041007NS 041007NK

# Cress (Watercress)

*Nasturtium officinalis*

**Sowing:**  
August to February in pots  
May to July for direct sowing

**Seed requirements:**  
2 to 3 kg/ha for direct sowing, 500 g/ha for planting  
4,000 seeds/g

**Planting density:**  
15 x 15 cm i.e. 450,000 plants/ha  
Running water is not absolutely necessary, but the soil must always remain moist



Variety	Characteristics	Min Qty	Product type	Item no.
<b>CRESSON DE FONTAINE</b>	Variety with large leaves. Also called Nasturtium officinale.	10 g		029005NS
		5 000 pilled seed	Untreated	029005NME

# Upland cress

*Barbarea verna*

Variety

Characteristics

Min Qty

Product type

Item no.

**UPLAND CRESS (CRESSON DE JARDIN)**

Also called herb barbara or perennial cress. Taste similar to cress nasturtium officinalis, but stronger and more spicy.

50 g

Untreated

029020NS



# Wrinkled crinkled cress

*Lepidium sativum*

**Sowing:**  
Year-round

**Seed requirements:**  
60 to 80 g/m<sup>2</sup>  
500 seeds/g

**Germination:**  
2 to 3 days at 15-20°C

**Growing temperature:**  
Day: 12°C  
Night: 10°C.

Over 20°C, ventilate. Under 12°C - the seed coats remain on the sprout.



Varieties	Characteristics	Min Qty	Product type	Item no.
<b>ALÉNOIS FRISÉ</b>	Standard variety. Fine, cut-out leaves.	100 g	Untreated	029001INS
<b>ALÉNOIS SIMPLE CRESSO</b>	Simple cress, germinates very quickly and uniformly. Also suitable for outdoor cultivation.	100 g	Untreated	029003INS
<b>ALÉNOIS SIMPLE PRESTO</b>	Presto is especially stable with extra-large leaves. Its coarser foliage means that Presto also stays fresh for longer when cut.	100 g	Untreated	029006INS

# Dandelion

*Taraxacum officinale*

**Sowing:**  
May to July

**Seed requirements:**  
0.6 to 1.5 kg/ha  
900-1,700 seeds/g

**Planting density:**  
10-15 x 30-35 cm i.e.  
150,000 to 330,000  
roots/ha

**Fertilisation (u /ha) :**  
N = 60-80 P = 100-110K =  
100-120



Variety	Characteristics	Min Qty	Product type	Item no.
<b>A COEUR PLEIN AMÉLIORÉ (IMPROVED FULL-HEARTED VARIETY)</b>	Dense rosettes. Medium-coarse, serrated leaves, medium green colour.	50 g	Untreated	04800INS

# Swiss chard

*Beta vulgaris var cycla L.*



**Sowing:**  
March - September

**Seed requirements:**  
10 g for 1,000 plants  
3 kg/ha for direct sowing  
60-90 seeds/g

**Pre-cultivation:**  
5 to 8 weeks

**Germination:**  
6-14 days



**Planting density:**  
40,000-50,000 plants/ha  
Row spacing 60-70 cm and 30-35 cm in a row

**Fertilisation (u /ha):**  
N = 180-200 P = 50-60 K = 80-110

Varieties	Leaf colour	Stem colour	Characteristics	Min Qty	Product type	Item no.
<b>BRIGHT LIGHTS F1</b>	Dark green	Colourful	Mix of white, pink, red, green and yellow stems, calibrated seed...	10 g	Untreated	051006NS
				5,000 seeds	Untreated	051006ING
<b>WHITE SILVER 2</b>	Dark green	White	Dark green Swiss Chard with broad, silver-white leaf ribs.	50 g	Untreated	051042NS

# Purslane

**Sowing:**  
From January onwards,  
in greenhouse until August

**Seed requirements:**  
5 kg/ha  
25-50 kg/ha as baby leaf

**Planting density:**  
12 to 15 cm x 20 to 25 cm



Varieties	Characteristics	Min Qty	Product type	Item no.
<b>GOLDEN</b>	Can be harvested 2 months after sowing. 2 to 3 harvests possible before the first frost.	10 g	Untreated	052500NS
<b>VERT D'ÉTÉ</b>	Beautiful selection with dark green leaves.	10 g	Untreated	052502NS

# Winter purslane



**Sowing:**  
End of March to August

**Seed requirements:**  
10 kg per ha

**Planting density:**  
10 to 15 cm x 25 to 30 cm

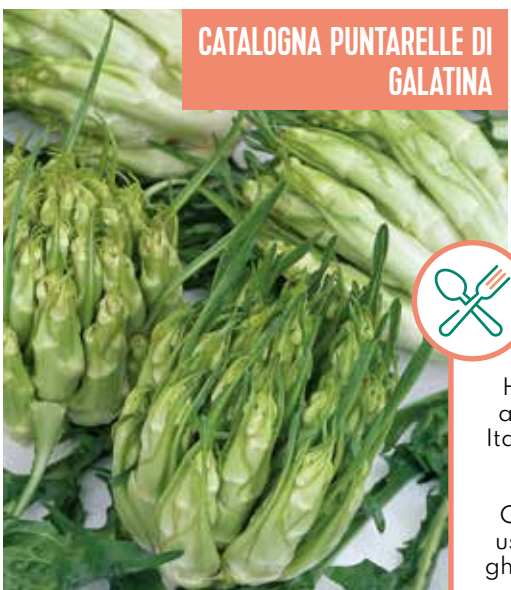
Varieties	Characteristics	Min Qty	Product type	Item no.
<b>CLAYTON</b>	Harvest 50 to 90 days after sowing. 3 to 5 harvests possible.	10 g	Untreated	025500NS
<b>CUBA</b>		5,000 pilled seed		025500NME

# Smooth leaf endive (Radicchio)

*Cichorium intybus L.*



VASARI



CATALOGNA PUNTARELLE DI GALATINA



## COOKING TIP

Halfway between young asparagus and a dandelion, Puntarelle is an old Italian winter vegetable which is worth discovering!

Cut into fine strips, Puntarelle can be used raw in salads, or cooked in spaghetti dishes, risottos, soups and many other original recipes.



INDIGO

**Sowing:**  
From mid-April to end of August for direct sowing  
From March in pots in heated greenhouse

**Seed requirements:**  
1.2-1.5 kg/ha for row sowing  
550-700 seeds/g

**Germination:**  
5-14 days



**Planting density:**  
90,000 to 120,000 plants/ha  
Spacing 25 to 30 cm between rows  
Thin out to 25-35 cm in a row



## Chioggia

Varieties	Planting calendar	Cultivation period in days	Characteristics	Min Qty	Product type	Item no.
VASARI	J F M A M J J A S O N D	75	Variety for summer cultivation; large, flat, round heads with outstanding colour and low risk of bolting in the summer.	1,000 pilled seed	Untreated	HI3006NE
INDIGO	J F M A M J J A S O N D	80	Fast-growing, uniform variety for summer and autumn harvest. Uniform dark red colour, firm head with green outer leaves. High yield. Robust against shoots and leaf tip necrosis. Standard variety, very uniform, fast growing variety for summer and autumn, uniformly dark red head. Type: round. Use: Fresh food market.	1,000 pilled seed	Untreated	HI3002NE
T&T® 1102	J F M A M J J A S O N D	100-120	Ideal for amateur cultivation, as not all heads are ready at the same time. Type: round. Use: Fresh food market.	1,000 pilled seed	Untreated	O12043NE

## Other types

Variety	Planting calendar	Colour	Characteristics	Min Qty	Product type	Item no.
CATALOGNA PUNTARELLE DI GALATINA	J F M A M J J A S O N D	Medium green	Conventional Italian variety, its leaves and young stems can be eaten in autumn and winter, raw or cooked. Planting density: 7-8 plants per m <sup>2</sup> .	1,000 pilled seed	Untreated	O12034NE



# Endive

*Cichorium endivia L.*

## Curly leaf

**Sowing:**  
From January in pots in heated greenhouse.

**Seed requirements:**  
4 g for 1,000 plants  
1-1.5 kg/ha for direct sowing under light  
500-600 seeds/g

**Pre-cultivation:**  
Max. 2 to 3 weeks at 25 °C

**Germination:**  
10-20 days



**Planting density:**  
5 to 10 plants/m<sup>2</sup>  
30 x 30 to 60 cm

**Fertilisation (u /ha) :**  
N = 70 P = 100-120 K = 150-200



PANDIE



TRÈS FINE MARAÎCHÈRE

## Smooth leaf



ANCONI



BRILLANTES



FORBES

Varieties	Planting calendar	Characteristics	Min Qty	Product type	Item no.
<b>Curly-leave endive</b>					
TRÈS FINE MARAÎCHÈRE	J F M A M J J A S O N D	Fast growth. Medium-sized, densely filled head, finely curled.	10 g	Untreated	H09011NS
JOLIE	J F M A M J J A S O N D	Medium green, for fresh food market and industry, slightly faster curl for early and autumn cultivation, with high yield potential.	1,000 pilled seed	Untreated	H09005NE
LASSIE	J F M A M J J A S O N D	Light green, for fresh food market and industry, very fast development, bolt-tolerant, robust against wreath rot, finely serrated variety for the whole growing season.	1,000 pilled seed	Untreated	H09010NE
PANDIE	J F M A M J J A S O N D	New bolt-proof variety with coarsely curled leaves. Very robust against wreath rot. High yield of yellow leaves for processing.	1,000 pilled seed	Untreated	H09047NE
<b>Smooth-leave endive</b>					
BRILLANTES	J F M A M J J A S O N D	Dark green, for fresh food market and industry, very healthy and high-yield variety, very beautiful seedling.	1,000 pilled seed	Untreated	H10012NE
MEDES	J F M A M J J A S O N D	Medium green, for industry, new vigorous industry variety with very good filling; very high yield.	1,000 pilled seed	Untreated	H10024NE
FORBES	J F M A M J J A S O N D	Dark green, for fresh food market and industry, smooth leaf endive for spring, summer and autumn cultivation with high volume.	1,000 pilled seed	Untreated	H10023NE
ANCONI	J F M A M J J A S O N D	Smooth leaf endive, summer/autumn cultivation, very upright growth, healthy base; high weight, good filling; for processing and fresh food market; very resistant to shoots and tip burn.	1,000 pilled seed	Untreated	H10011NE

# Spinach

*Spinacia oleracea L.*

## Sowing:

Outdoors Weeks 5 - 36, under glass Weeks 37 - 7

## Seed requirements:

8 to 10 kg, i.e. 800,000 to 1,000,000 seeds/ha for fresh food cultivation and 5 to 7 million as baby leaf TKG/110g

## Germination:

7-21 days at 10-15°C



## Planting density:

10-15 sq. stripes  
Row spacing: 20-40 cm for fresh food cultivation, and 800 - 1,000 seeds/m<sup>2</sup> as baby leaf

## Fertilisation (u /ha):

**N** = 100-150 - **P** = 50-80 - **K** = 150-200



ELAND F1



GOANNA F1



EL SWING F1



EL FUTURO F1



MEERKAT F1



MELVILLE F1



SUNANGEL F1

Varieties	Production calendar	Resistance to mildew	Characteristics	Min Qty	Product type	Item no.
<b>ANDROMEDA F1</b>	J F M A M J J A S O N D (for overwintering)	HR: Pe: 1-12, 14-16	Dark green variety for spring and autumn sowing and for overwintering. Leafy, thick-leaved variety for fresh food market cultivation. High yield. Leaf colour: green. Development rate: normal.	25,000 seeds	Untreated	H30150NG
					Treated	H30150FG
<b>EL FUTURO F1</b>	J F M A M J J A S O N D	HR: Pe 1-9, 11-16	Slow-growing spinach with very good bolt-tolerance in summer.	25,000 Precision	Untreated	H30156NK
				25,000 Precision	Treated	H30156FK
<b>EL MADISON F1</b>	J F M A M J J A S O N D	HR: Pe:1-7,9-19	Dark green new variety for summer production with low susceptibility to bolting and very good resistance package.	25,000 Precision	Treated	H30157FK
<b>ELAND F1</b>	J F M A M J J A S O N D	HR: Pe:1-15,17,18 IR: Pe:16,19	Industry variety, use for leaf- or chopped spinach production.	25,000 Precision	Treated	H30158FK
<b>GOANNA F1</b>	J F M A M J J A S O N D	HR: Pe 1-15,17 IR: Pe 18	Semi-Savoy variety for summer cultivation, thick leaves, upright growth with slow development. Leaf type: round. Leaf colour: dark green. Fresh food market. Root. Savoy leaf spinach.	25,000 Precision	Untreated	H30159NK
					Treated	H30159FK
<b>MAGNETIC F1</b>	J F M A M J J A S O N D	HR: Pe 1-15, 17	Reliable yield and top quality even in summer, highly resistant variety for year-round cultivation of true baby leaf spinach of dark type; relatively bolt-proof in most cultivation areas in the last two years. Leaf type: round. Leaf colour: dark green. Fresh food market. Savoy leaf spinach.	25,000 Precision	Untreated	H30160NK
					Treated	H30160FK
<b>MEERKAT F1</b>	J F M A M J J A S O N D	HR: Pe 1 - 15, 17	Very fast development, industry variety, but also suitable as baby leaf.	25,000 Precision	Untreated	H30161NK
					Treated	H30161FK
<b>MELVILLE F1</b>	J F M A M J J A S O N D	HR: Pe:1-15,17	Successor variety for early cultivation and latest sowings, very uniform, firm leaf.	25,000 Precision	Treated	H30162FK
<b>NOVICO F1</b>	J F M A M J J A S O N D	HR: Pe: 1-12 14-16	Very vigorous and large-leaved high yield variety for industry cultivation, uniform dark green colour, suitable for spring and autumn growing.	25,000 seeds	Treated	H30151FG
<b>SOLOMON F1</b>	J F M A M J J A S O N D	HR: Pe 1-9, 11-16	Very fast variety in spring, even in cold weather conditions. Leaf colour: medium to dark green. Fresh food market. Industry. Savoy leaf spinach.	25,000 Precision	Untreated	H30164NK
					Treated	H30164FK
<b>SUNANGEL F1</b>	J F M A M J J A S O N D	HR: Pe:1-9,11-19 IR: Pe:10	Semi-Savoy type, baby leaf spinach with upright growth, rapid development, strong against leaf diseases.	25,000 Precision	Treated	H30166FK

# New Zealand spinach

*Tetragonia tetragonioides*

**Sowing:**  
February to May

**Seed requirements:**  
10-12 seeds/g

**Germination:**  
7-21 days at 20-25°C

**Planting density:**  
0.3 to 0.5 m x 0.5 to 1 m,  
i.e. 10,000 to 60,000  
seedlings/ha

Variety	Characteristics	Min Qty	Product type	Item no.
<b>NEW ZEALAND SPINACH</b>	New Zealand spinach. Cultivated like spinach. Sensitive to frost. Harvested 70 to 90 days after sowing.	10 g	Untreated	031001NS



# Sugarloaf chicory

*Cichorium intybus*

## Sowing:

From mid-April to end of August for direct sowing  
From March in pots in heated greenhouse

## Seed requirements:

1.2-1.5 kg/ha for row sowing  
550-700 seeds/g

## Germination:

5-14 days



## Planting density:

90,000 to 120,000 plants/ha  
Spacing 25 to 30 cm between rows  
Thin out to 25-35 cm in a row



URANUS F1



NETTUNO



VESPERO F1



ULISSE



SUMERO F1

Varieties	Planting calendar	Head	Cultivation period in days	Characteristics	Min Qty	Product type	Item no.
VESPERO F1	J F M A M J J A S O N D —	Medium length	75-80 days	Vigorous cylindrical growth, bolt-tolerant variety with good leaf yield and low tendency to cell-bursting, storage until end of January. Volume: large. Use: Fresh food market and industry.	1,000 pilled seed	Untreated	HI2036NE
SUMERO F1	J F M A M J J A S O N D —	Long	75-80 days	Cylindrical sugarloaf chicory with excellent leaf and rib quality; bolt-tolerant in heat, suitable for early summer to autumn cultivation; very resistant to cell bursting, also suitable for short-term storage. Volume: large. Use: Fresh food market and industry.	1,000 pilled seed	Untreated	HI2006NE
NETTUNO	J F M A M J J A S O N D —	Long	80-100 Tage	35-40 cm long, ideal for amateur cultivation, as not all heads are ready at the same time. Volume: large. Use: Fresh food market.	1,000 pilled seed	Untreated	O12037NE
ULISSE	J F M A M J J A S O N D —	Long	80-100 Tage	Compact round head, 35-40cm high, weight up to 700 g, very crunchy; due to the good germination ability, very suitable for semi-professional sector; can be planted up to week 31. Volume: medium. Use: Fresh food market.	1,000 pilled seed	Untreated	O12042NE
URANUS F1	J F M A M J J A S O N D —	Long	85 days	Performs well in autumn, even in adverse conditions. Very uniform. Very long head. Very high yield.	1,000 pilled seed	Untreated	HI2017NE

# Root vegetables and tuber vegetables

From carrots to salsify to parsley roots... Showcase varieties or vegetables from days gone by? Reference varieties or newer varieties? Reliable values or originality? You can find everything in our range of root vegetables.

08



HERBS

HERB PLANTS

MICROGREENS

LEGUMES

FRUIT VEGETABLES

CROCFEROUS VEGETABLES

LEAF VEGETABLES

ROOT VEGETABLES

SWEET POTATO PLANTS

SWEET CORN

BULL VEGETABLES

BULL VEG. SEEDLINGS

PRODUCT RANGE EXPANSION

# Carrot

*Daucus carota L.*

## Sowing:

Year-round, depending on geographical location

## Seed requirements:

1 g contains 800 to 1,000 seeds

Nantes F1 protected cultivation:

1.2 to 2 million/ha

Nantes F1 outdoors: 1.5 to 2 million/ha

## Germination:

10-14 days



## Cultivation period:

Early: 12 to 15 weeks

Season: 15 to 20 weeks

## Planting density:

1.5 to 2 million seeds/ha

20 to 50 cm between rows and



60-100 seeds per metre

## Fertilisation (u /ha):

**N** = 50 **P** = 100 **K** = 200 - 250

Apply the nitrogen in several doses

## Orange Nantes varieties

Varieties	Production calendar	Development time (l)	Use	Characteristics	Min Qty	Product type	Item no.
 <b>MOKUM F1</b>	J F M A M J J A S O N D	87	Bunched, loose	Fast and even colouring. Half-length, conical carrot with short taper to stump and very delicate root. IR: Ad, Cc, cavity spot.	25,000 precision	Treated	H05001FK
<b>CARVORA F1</b>	J F M A M J J A S O N D	90	Bunched/washed carrot	Very uniform and smooth, high net yield, little breakage, conditionally storable. Primed. Length in cm: 19-21. Shape: cylindrical. Sowing rate million/ha: 1.3-1.8. Type: Nantes. Use: Bunching. Use: Washed.	25,000 precision 100,000 precision	Treated Untreated	H05038FK H05038NK
<b>SPEEDO F1</b>	J F M A M J J A S O N D	90	Washed carrot	Washed carrot for early cultivation, very smooth surface and beautiful colour, strong upright medium green foliage; good yield potential, very good flavour. Length in cm: 18-20. Shape: cylindrical. Sowing rate million/ha: 0.9-1.7. Type: Nantes. Use: Washed.	25,000 precision	Treated	H05161FK
<b>CARRUBA F1</b>	J F M A M J J A S O N D	100	Bunched/Washed carrot	Year-round cultivation as a bunched/washed carrot, very smooth and uniform; good harvesting properties and high-yield. Primed. Length in cm: 18-21. Shape: cylindrical. Sowing rate million/ha: 1.6-1.8. Type: Nantes. Use: Bunching. Use: Washed.	25,000 precision	Treated	H05153FK
<b>CARAVEL F1</b>	J F M A M J J A S O N D	100	Washed carrot	Beautiful, uniform, early Nantes carrot; beautiful, blunted, smooth carrots; the foliage is stable and healthy. Primed. Length in cm: 19-21. Shape: cylindrical. Sowing rate million/ha: 1.2-1.6. Type: Nantes.	25,000 precision	Treated	H05150FK
<b>LAGUNA F1</b>	J F M A M J J A S O N D	100	Loose, bunched	Early, uniform carrot with high net yield. Laguna is suitable as a washed and bunching carrot for early and late sowing. The carrot is cylindrical to slightly conical, very smooth, break-proof and with good interior quality. Maturity: early. Length in cm (approx.): 18-20. Early, uniform carrot for washed and bunched carrot; for early and late sowing, very smooth carrot, break-proof and good interior quality. Untreated. Growing time in days: 95. Length in cm: 18-20. Shape: conical. Sowing rate million/ha: 1.5 - 1.8. Use: Bunching. Use: Washed. IR: Alternaria dauci, powdery mildew.	25,000 precision	Treated Untreated	H05058FK H05058NK
<b>NANTES 2 RACE TIP TOP</b>	J F M A M J J A S O N D	110	Bunched, loose, storage	Uniform root with beautiful colour.	50 g	Treated	005113FS
 <b>ALLYANCE F1</b>	J F M A M J J A S O N D	110	Washed carrot	Medium-early Nantes, high resistance to Alternaria dauci, Cercospora carotae and cavity spots; length: 18-20. IR: Powdery mildew, cylindrical, good taste, low tendency to bolt, good field durability	25,000 precision	Untreated	H05144NK
<b>BOLERO F1</b>	J F M A M J J A S O N D	115	Loose, storage	Versatile variety. Good behaviour when ripe. Good shelf life. HR: Ad, powdery mildew. IR: Cavity spot.	25,000 precision	Treated	H05065FK
<b>ROMANCE F1</b>	J F M A M J J A S O N D	120	Loose, bunched, storage	Medium-early type for harvesting from summer into winter. Very uniform, break-proof, high yield in tray products. Smooth carrot with remarkably good taste. Strong, upright foliage. Suitable for storage; also as a sliced product. Very uniform, break-proof, high yield in tray products; remarkably good taste and robust, upright foliage. Maturity: medium-early. Length in cm (approx.): 16-18. IR: Alternaria dauci, powdery mildew.	25,000 precision	Treated Untreated	H05005FK H05005NK
<b>ELEGANCE F1</b>	J F M A M J J A S O N D	125	Loose storage	Recommended for autumn harvest and long storage. Medium-late hybrid with smooth, cylindrical carrot of medium length, also suitable for juice production. Especially high resistance to breaking when washed. Maturity: medium-late. Length in cm (approx.): 18-20. IR: Alternaria dauci, powdery mildew, HR: low bolting tendency.	25,000 precision 100,000 precision	Untreated Treated	H05140NK H05140FK



Chantenay	Paris	Flakker	Berlicum	Nantes	Imperator



MOKUM F1



CARAVEL F1



CARVORA F1



NANTES 2 RACE TIP TOP



BOLERO F1



CARRUBA F1



ROMANCE F1



LAGUNA F1



ALLYANCE F1

Orange Nantes varieties (continued)



CARVALO F1



MAESTRO F1



BRILLYANCE F1



DAILYANCE F1



CARIBOU F1



CARLANO F1



POLYDOR F1



CROFTON F1



NERAC F1



CADANCE F1



ROTHILD



KAROTAN



Varieties	Production calendar	Development time (I)	Use	Characteristics	Min Qty	Product type	Item no.
<b>CARVALO F1</b>	J F M A M J J A S O N D	125 - 130	Washed carrot	Very uniform, smooth carrot with very good foliage, therefore very good harvesting performance. Primed. Length in cm: 16-19. Shape: cylindrical. Sowing rate million/ha: 1.5-1.8. Type: Nantes. Use: Washed.	25,000 precision	Treated	H05154FK
<b>MAESTRO F1</b>	J F M A M J J A S O N D	130	Loose, storage	Very smooth root. Very beautiful colour, without any greenback. Very uniform. Good storage suitability. HR: Ad, powdery mildew, Oidium / IR: Cavity spot.	25,000 precision	Treated	H05053FK
<b>BRILLIANCE F1</b>	J F M A M J J A S O N D	130	Loose, storage	Very smooth, attractive, fairly slender carrot. Remarkably uniform in type and diameter with beautiful, shoulder and good blunting, no green head. Slow-growing carrot with very good taste, for locations with medium to light soils. Very good resistances to the major foliage diseases and some storage diseases. Seeds with very good germinability. Maturity: medium-late. Length in cm (approx.): 18-20. HR: Alternaria, powdery mildew, Cercospora carotae, cavity spots, Rhexocerosporidium carotae, low bolting tendency.	25,000 precision	Treated Untreated	H05131FK H05131NK
<b>DAILYANCE F1</b>	J F M A M J J A S O N D	130	Washed carrot	Medium-late Nantes, storable, very smooth, very good taste, no green head, length: 19-23 cm, HR: Cercospora carotae, powdery mildew, cavity spot, IR: Ad	25,000 precision	Treated	H05165FK
<b>CARIBOU F1</b>	J F M A M J J A S O N D	130	Washed carrot	Break-proof, cylindrical and blunt carrot, stable, dark and compact foliage. Primed. Length in cm: 20-23. Shape: cylindrical. Sowing rate million/ha: 1.6-1.8. Type: Nantes. Use: Washed.	25,000 precision	Treated	H05151FK
<b>CARLANO F1</b>	J F M A M J J A S O N D	130	Industry/ Washed carrot	Late washed carrot for main crop; compact and very healthy foliage, high yield, very break-proof with good taste; due to its high resistance, ideal for organic cultivation. Primed. Length in cm: 19-22. Shape: conical. Sowing rate million/ha: 1.6-1.8. Type: Nantes. Use: Washed. Use: Industry.	25,000 precision	Untreated Treated	H05152NK H05152FK
<b>POLYDOR F1 (CLX31845)</b>	J F M A M J J A S O N D	135	Washed carrot / storage carrot	Very uniform, smooth, break-proof carrot, resistant to bursting, attractive colour and very high yield potential. Primed. Length in cm: 18-20. Shape: cylindrical. Sowing rate million/ha: 1.5. Type: Nantes. Use: Washed.	25,000 precision	Treated	H05160FK
<b>CADANCE F1</b>	J F M A M J J A S O N D	140	Loose, storage	Very break- and burst-proof, slow-growing carrot for growing on medium to heavy soils. Very suitable for cold store storage. Cylindrical, good blunting, uniform carrot without green head, good taste. Good resistance against the major foliage and storage diseases. Maturity: late. Length in cm (approx.): 18-20. IR: Alternaria, powdery mildew, Cercospora carotae, HR: Cavity spots.	100,000 precision 25,000 precision	Treated Untreated	H05139FK H05139NK
<b>ROTHILD</b>	J F M A M J J A S O N D	140	Juice, storage	High yield, large, long, conical carrot.	50 g	Untreated	005007NS
<b>NERAC F1</b>	J F M A M J J A S O N D	140	Loose, storage	Standard variety, even under adverse conditions, high uniformity, low storage losses, very good for storage. Primed. Shape: cylindrical. Sowing rate million/ha: 1.8-2.2. Type: Nantes. Use: Bunching. Use: Washed.	25,000 precision	Treated	H05015FK
<b>CROFTON F1</b>	J F M A M J J A S O N D	140	Washed carrot	Storage carrot for heavy soils, cold storage possible until well into May, very good for storage. Primed. Length in cm: 18-20. Shape: cylindrical. Sowing rate million/ha: 1.8-2.2. Type: Nantes. Use: Washed.	25,000 precision	Treated	H05156FK
<b>OCTAVO F1</b>	J F M A M J J A S O N D	145	Washed carrot / storage carrot	Smooth cylindrical carrot with very vigorous upright foliage, high Brix- and TS values; in overwintering in the field, good tolerance to frost and regrowth. Primed. Length in cm: 18-20. Shape: cylindrical. Sowing rate million/ha: 1-1.2. Type: Nantes. Use: Washed.	25,000 precision	Treated	H05029FK
<b>KAROTAN</b>	J F M A M J J A S O N D	150	industry	High carotene and sugar content, main variety for industry in Europe, good for storage, use: juice and slices. Length in cm: 20-30. Shape: conical. Sowing rate million/ha: 0.6-0.8. Type: Flaecker.	25,000 precision	Treated	H050560FK
<b>SUGARSNAX</b>	J F M A M J J A S O N D	-	industry	Early variety for snack carrot production with very sweet taste and excellent interior quality. Long, very smooth, dark orange-red carrot without green head, with robust, vigorous foliage. Maturity: early. Length in cm (approx.): 22-25. Type: Imperator.	25,000 precision 100,000 precision	Untreated Treated	H05141NK H05141FK



GOLD NUGGET F1



MIX COULEURS



PARISER MARKT 5



RUBY PRINCE F1

NEW



PAINTBOX















CREAMPAK F1

NEW



NIGHT BIRD F1

Other varieties

Varieties	Production calendar	Cycle (l)	Use	Type / colour	Length (cm)	Characteristics	Min Qty	Product type	Item no.
 <b>PARISER MARKT 5</b>	J F M A M J J A S O N D ■          ■	110	Bunched, loose		2 - 5	Parisian type. Round, orange root.	25,000 precision	Treated Untreated	005100FK 005100NK
<b>GOLD NUGGET F1</b>	J F M A M J J A S O N D ■          ■	90	Bunched, loose		16 - 18	Beautiful root of the Nantes type, for sowing from May onwards. Flavour like a Nantes, but with a strong yellow colour.	25,000 precision	Treated Untreated	H05025FK H05025NK
<b>MIX COULEUR</b> (COLOUR MIX) 	J F M A M J J A S O N D ■          ■	90 - 110	Bunched, loose		15 - 20	Mix of white, yellow, orange and purple varieties.	25,000 precision	Treated	005031FK
<b>RUBY PRINCE F1</b>	J F M A M J J A S O N D ■          ■	110-120	Bunched, loose		16 - 18	Evenly and solidly coloured carrot with cylindrical shape and blunting. Medium-strong foliage.	25,000 precision	Treated	H05136FK
 <b>PAINTBOX</b> 	J F M A M J J A S O N D ■          ■	110-130	Bunched, loose		25-28	Mixture of varieties with long roots, suitable for seasonal bunches. Contains the following colours: Orange, yellow, white, purple with orange and red core.	25,000 precision	Untreated	005158NK
<b>CREAMPAK F1</b>	J F M A M J J A S O N D ■          ■	120	Loose, industry		16 - 18	In terms of its colour, the carrot lies between the cream and yellow varieties. No green colouring on the carrot, inside or outside. Vigorous, blunt, smooth root. Strong, upright foliage. Maturity: medium-early. Length in cm (approx.): 18-22. Type: multicoloured.	25,000 precision	Untreated Treated	H05060NK H05060FK
 <b>NIGHT BIRD F1</b>	J F M A M J J A S O N D ■          ■	120	Washed carrot		18-23	Completely purple carrots, sowing when day length is decreasing; depending on the period of sowing, it may bolt	25,000 precision	Untreated	H05159NK

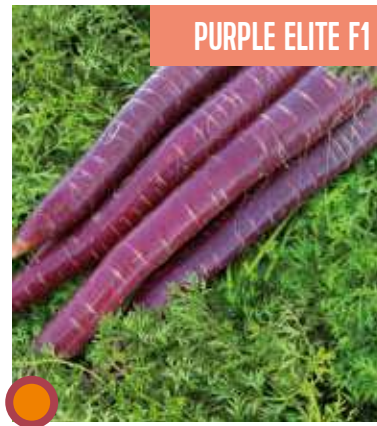
■ Sowing ■ Harvest

(l) Average cycle in days between sowing and harvest

The above information is provided for informational purposes only and is not a guarantee The Guide for Vegetable Growers **VOLTZ** MARAICHAGE



MALBEC F1



PURPLE ELITE F1



YELLOWBUNCH F1



PURPLE SUN F1



YELLOW MOON F1



SNOWMAN F1



Varieties	Production calendar	Cycle (I)	Use	Type / colour	Length (cm)	Characteristics	Min Qty	Product type	Item no.
MALBEC F1	J F M A M J J A S O N D	120	Bunched, loose		20-25	Beautiful solid coloured, cylindrical, smooth carrot. Strong foliage with slight Anthocyan colouring.	25,000 precision	Untreated	005I29INK 005I29IFK
PURPLE ELITE F1	J F M A M J J A S O N D	120-140	Loose, industry		16 - 18	Seeds for experimental cultivation. Registration applied for. Very beautiful, cylindrical, smooth carrot with yellow core and thick purple outer layer. Good, healthy foliage. High germinability for a variety in this segment, and relatively less bolting in the early period. Maturity: medium-early. Length in cm (approx.): 18-22. Type: multicoloured.	25,000 precision	Untreated	H05I25NK H05I25FK
YELLOWBUNCH F1	J F M A M J J A S O N D	120-140	Loose, industry		22-25	Long, slender carrot with uniform bright yellow colouring with only slight tendency to green head. Suitable for industry cultivation, above all as sliced carrot or as a speciality for the fresh food market. Maturity: medium-early. Type: multicoloured.	25,000 precision	Treated	H05I37FK H05I37NK
PURPLE SUN F1	J F M A M J J A S O N D	130	Bunched, loose		16 - 18	Nantes type with conical shape, intense crimson interior. Good foliage properties for this segment.	25,000 precision	Treated	H05009FK H05009NK
YELLOW MOON F1	J F M A M J J A S O N D	130	Washed carrot, industry		17 - 20	Highly productive yellow variety with comparatively low tendency towards green head, excellent for processing and storage. Nantes type. Very good shelf life. Resistances: IR: Ad.	25,000 precision	Untreated	H05I62NK H05I62FK
SNOWMAN F1	J F M A M J J A S O N D	-	Loose		16 - 18	Beautiful conical, uniform white root, with no green collar. Strong foliage.	25,000 precision	Treated	H05063FK H05063NK

# Celery

*Apium graveolens L.*

**Sowing:**  
January to May

**Seed requirements:**  
1g for 1,000 plants - 2,500 seeds/g  
In seed trays: 2g/m<sup>2</sup>

**Pre-cultivation:**  
6 to 9 weeks



**Germination:**  
10-20 days

**Planting density:**  
Outdoors: 4 to 6 plants/m<sup>2</sup>  
Spacing 50-60 x 40-60 cm

**Fertilisation (u /ha):**  
N = 170-200 P = 100-150 K = 200-300 Mg : 50  
Celery is susceptible to boron deficiency

## Celeriac



MARKIZ F1



MONARCH



PRINCE



BETA

Varieties	Harvest maturity	Plant structure			Use	Characteristics	Min Qty	Product type	Item no.
		Colour	Size	Interior Quality					
<b>PRINCE</b>	Very early	White	Medium-sized	Very good	Fresh food market / industry	Light-skinned celery for industry and fresh food market. Very bolt-resistant. Suitable for early growing under foil or fleece as well as for growing outdoors. The tuber is round, fairly smooth and has a small root base. Dark green, very upright foliage approx. 40 cm in height, with ideal ratio to tuber. Excellent white and firm interior quality for the production of large tuber products. Main variety for spring cultivation, very good resistant to bolting. Pilled seeds. Naked seeds. Pilled seed for pots (primed).	1,000 pilled seed	Untreated	H06019NV
<b>CODEX F1</b>	Medium-early	White	Large	Very good	Fresh food market / Storage	Fast-growing variety with high yield, planting from early May. Ideal quality for the fresh food market due to the very round tubers with a very smooth surface. Very efficient for harvesting due to the compact root system. Ideal for long-term storage.	1,000 pilled seed	Untreated	H06024NV
<b>MARKIZ F1</b>	Medium-early	White	Large	Very good	Fresh food market / industry	High yield, fast-growing hybrid with upright leaves for planting from early May. Especially for fresh market cultivation, also for higher-density planting. Most suitable for processing due to the excellent interior quality.	1,000 pilled seed	Untreated	H06023NV
<b>BETA</b>	Medium-early	White	Medium-sized	Good	Fresh food market / semi-professional	This variety has been developed specially for the requirements of amateur gardeners; due to the good bolt-resistance, it can be planted very early; outstanding interior quality with white flesh; very resistant to Phoma and Septoria, very suitable for storage. Pilled seed for pots (primed).	1,000 pilled seed	Untreated	H06010NV
<b>MONARCH</b>	Semi-early	White	Large	Very good	Fresh food market / industry	Light-skinned standard variety for fresh food market and industry cultivation. Heavy, fairly large tubers with deep root base. Excellent white, firm interior quality. Resistant to iron chlorosis. Very good storage suitability. Stays white during cooking. Pilled seeds. Naked seeds. Pilled seed for pots (primed).	1,000 pilled seed 10,000 seeds	Untreated	006001NV 006001NG

Celery



DALI F1



Cultivation advice

Pre-germinated and pilled celery seeds

The pre-germinated seeds are pilled (diameter 2.0 to 2.5 mm) to facilitate sowing. These seeds can be stored for 6 to 8 weeks in the refrigerator (3 to 5°C). It is therefore essential to inform us of your sowing date when ordering.

Delivery weeks: 3 to 18.



HUDSON F1



VICTORIA F1

Varieties	Harvest maturity	Appearance			Use	Characteristics	Min Qty	Product type	Item no.
		Colour	Height (cm)	Plant structure					
VICTORIA F1	Early	Medium green	60-70	Upright	Fresh food market	Medium green, very resistant to bolting, for early and late cultivation. Pilled seed for pots (primed). Naked seeds.	1,000 pilled seed	Untreated	H07020NV
DALI F1	Early / Medium-early	Dark green	60-70	Upright	Fresh food market	Dark green, shiny, smooth stalk, rapid growth, very bolt-resistant; early to medium-early. Pilled seed for pots (primed).	1,000 pilled seed	Untreated	H07026NE
HUDSON F1	Medium-early	Dark green	70-80	Upright	Fresh food market	Dark green variety with fast development and Fusarium tolerance for planting from weeks 17 to 29. Pilled seed for pots (primed).	1,000 pilled seed	Untreated	H07027NE

# Chervil root

*Chaerophyllum bulbosum*



CULTIVATION ADVICE

The tubers can be eaten after a few weeks of storage. The leaves are not edible because they are toxic.

Delivery weeks: 1 to 12



**Sowing:**  
January - February

**Seed requirements:**  
3 g for 1,000 seeds

**Germination:** 1 month

**Planting density:**  
50,000 plants/ha  
10 x 20 cm

**Fertilisation (u /ha):**

**N** = 60-100

**P** = 70-100

**K** = 100-150



Variety	Characteristics	Min Qty	Product type	Item no.
DELTA	Tubers with nice appearance. High-yield and quite late variety.	5 g	Untreated	008003NS

# Chicory witloof

*Cichorium intybus L. (Endivie belge)*

**Sowing:**  
Direct sowing from April to June

**Seed requirements:**  
0.8 to 1.2 kg/ha  
or 300,000 to 400,000 seeds/ha

**Germination:**  
5-10 days

**Planting density:**  
250,000 to 300,000 plants/ha  
5-6.5 cm x 30-35 cm  
Thin out to 7-10 cm in the row

**Fertilisation (u /ha):**  
N = 90-110 P = 80-90 K = 250-300



Varieties	Forced cultivation calendar	Type of forced cultivation	Characteristics	Min Qty	Product type	Item no.
ATLAS F1	A S O N D J F M A M J J	Soil or hydroponic	Elongated, heavy endive with attractive colouring. Easy to remove. High yield.	10,000 precision	Untreated	O11O15NK
FESTIVE F1	A S O N D J F M A M J J	Soil or hydroponic	Intense red colour on both sides of the leaf. The forcing temperature is lower than for yellow varieties.	5,000 precision	Untreated	O11O31NK

# Fennel

*Foeniculum vulgare L.*

**Sowing:**  
January to July  
April to July outdoors

**Seed requirements:**  
1 g for approx.100 plants or 2 to 2.5 kg/ha  
200-250 seeds/g  
120,000 seeds/ha

**Pre-cultivation:**  
4 to 7 weeks

**Germination:**  
20 days



**Planting density:**  
100,000 to 150,000 plants/ha  
35-50 x 15-20 cm

**Pre-cultivation temperature:**  
Too high a temperature affects the quality of the tubers

**Fertilisation (u /ha):**  
N = 80-100 P = 100-150 K = 200-300



Varieties	Planting calendar	Shape	Harvest maturity	Characteristics	Min Qty	Product type	Item no.
PRELUDIO F1	J F M A M J J A S O N D		75 days	Very white and even tubers.	1,000 pilled seed	Untreated	H32023NE
SOLARIS F1	J F M A M J J A S O N D		75 days	Bolt- and burst-proof.	2,500 seeds	Treated	H32016FG
FINALE	J F M A M J J A S O N D		80 days	Bolt-proof variety with tall and round, heavy and very uniform grade tubers. Cultivation in the whole outdoor season; healthy, upright, medium green foliage. Direct sowing possible in (June-) July for harvesting September to October.	1,000 pilled seed 50 g	Untreated	O32008NE O32008NS
ORION F1	J F M A M J J A S O N D		85 days	Forms large round, white tubers. Robust and tried and tested. Suitable for year-round cultivation. Not susceptible to bursting, high proportion of class 1. Earliness: year-round.	1,000 pilled seed	Untreated	H32015NE

— Forced cultivation — Sowing — Harvest

# Parsley root

*Petroselinum crispum var tuberosum*

**Sowing:**  
April - May

**Germination:**  
10-25 days

**Planting density:**  
30-35 seeds / linear metre.

**Row spacing:**  
35 cm/750,000 - 875,000 seeds / ha

**Fertilisation: (u /ha) :**  
N = 40-100 P = 90-110  
K = 100-120



## CULINARY RECOMMENDATION

Parsley root is an increasingly popular product in the vegetable family with consumers. There are two reasons for this:

- It is rich in Vitamin A, low in calories, and has a unique taste between celery and parsnip. Can be used raw or cooked.
- On the other hand, the leaves can also be used here.



HALBLANGE / EAGLE



HALBLANGE/ HERMES

COMANCHE

Varieties	Characteristics	Min Qty	Product type	Item no.
<b>HALBLANGE / EAGLE</b>	Half-length, smooth root. For fresh food and industrial market. Perennial standard variety, half-length white and productive beets, very good storage suitability, preferred sowing as 'Primed Bejo Precision' (pre-germinated). Use: Fresh food market and industry.	50 g	Treated	H47027FS
<b>HALBLANGE / HERMES</b>	Parsley root, half-length type; smooth beet; very beautiful white colour; ideal for industry and fresh food market; robust, dark green foliage; also available as primed seeds	50 g 1 kg	Untreated Treated	047044NS 047044FS
<b>COMANCHE</b>	Parsley root, half-length type; smooth root with beautiful colour, robust and dark green foliage; also available as precision seeds. Sowing time: 10-22. Use: Fresh food market and industry.	10,000 precision	Treated	H58137FK

# Parsnip

*Pastinaca sativa L.*

**Sowing:**  
March to early July

**Seed requirements:**  
2-3 kg/ha  
Fresh food market 700,000-1.2 million  
Industry 400,000

**Germination:**  
15-20°C in 8-15 days

**Planting density:**  
15-20 x 35 cm

**Fertilisation (u/ha):**  
N = 80-120 P = 100 K = 200-250



**GLADIATOR F1**



**ALBION F1**

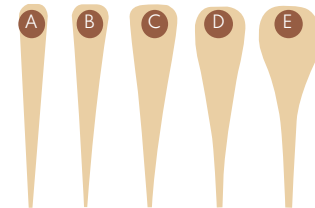


**JAVELIN F1**

## INFORMATION

**Root colour**  
1 Cream → 5 White

**Root shape**



Varieties	Harvest maturity	Root		Characteristics	Min Qty	Product type	Item no.
		Colour	Shape				
<b>WARRIOR F1 (TZ 9043)</b>	Early	4	C	Strong, vigorous plant, even under difficult conditions. Beautiful root.	1,000 precision	Untreated	H46017NK
					1,000 pilled seed	Untreated	H46017NE
<b>GLADIATOR F1</b>	Medium-early	3 - 4	D	Hybrid half-length Guernsey type. Very uniform, white root, less susceptible to root crown rot.	1,000 precision	Untreated	H46003NK
					1,000 pilled seed	Untreated	H6003INE
<b>WHITE SPEAR</b>	Medium-early	3	D	OP variety, high yield potential, white skin. Untreated. Naked seeds. Outdoor pilled seed. Sowing time: 11-22. Use: Fresh food market and industry.	1,000 precision	Untreated	H46028NK
<b>ALBION F1</b>	Medium	4	C	Beautiful long white roots, retains the colour for a long time, very resistant to head blight; also available as outdoor pilled seed. Caution - do not overlap the seeds. Untreated. Naked seeds. Outdoor pilled seed. Sowing time: 8-18. Use: Fresh food market and industry.	1,000 precision	Untreated	H46010NK
					1,000 pilled seed		H46010NE
<b>JAVELIN F1</b>	Medium-late	3	B	Produces a highly marketable yield of very high quality with its sought-after slender wedge-shaped roots, specially developed for packing in trays; due to the smooth leaf base and the very smooth roots, this variety is easy to wash; very resistant to head blight; also available as outdoor pilled seed. Caution - do not overlap the seeds.	1,000 precision	Untreated	H46004NK
					1,000 pilled seed	Untreated	H46004INE



# Radish

*Raphanus sativus*

## Round, red varieties

**Sowing:**  
Year-round

**Seed requirements:**  
Protected cultivation:  
30 kg-40 kg/ha or  
4 to 4.5 million seeds/ha  
Outdoor cultivation:  
40-60 kg/ha or 5 to 6 million seeds/ha

**Germination:**  
6 to 10 days



**Density:**  
Row spacing of 7 or 15 cm  
Protected cultivation: 350 to 420 plants/m<sup>2</sup>  
Outdoor cultivation: 430 to 540 plants/m<sup>2</sup>



FAMOX F1



GIROX F1



JANOX F1



LENNOX F1



Varieties	Production calendar	Root diameter (cm)	Use	Characteristics	Min Qty	Product type	Item no.
<b>Greenhouse</b>							
<b>DONAR F1</b>	J F M A M J J A S O N D Sowing: J, F, M, A, M, J, J, A, S, O, N, D Harvest: J, F, M, A, M, J, J, A, S, O, N, D	2.5-3.5	Bunched	Standard variety for greenhouse and first set under fleece, very uniform, tuber size: medium, tuber colour: bright red. Earliness: very early. Tuber shape: round. Foliage: medium. Sowing outdoors: 8-11.	10,000 precision	Untreated Treated	H541761NK H541761FK
<b>FAMOX F1</b>	J F M A M J J A S O N D Sowing: J, F, M, A, M, J, J, A, S, O, N, D Harvest: J, F, M, A, M, J, J, A, S, O, N, D	2.5-3.0	Bunched	Radish for winter cultivation under glass. Crop possible even in low temperatures. Suitable for sale as bunched product.	10,000 precision	Treated	054141FK
<b>GIROX F1</b>	J F M A M J J A S O N D Sowing: J, F, M, A, M, J, J, A, S, O, N, D Harvest: J, F, M, A, M, J, J, A, S, O, N, D	3.0	Bunched	Round, bright red variety for growing under glass in summer as well as outdoors as kilo goods. Suitable for marketing as bunched product and kilo goods. IR: Foc 2.	10,000 precision	Treated Untreated	054142FK 054142NK
<b>JANOX F1</b>	J F M A M J J A S O N D Sowing: J, F, M, A, M, J, J, A, S, O, N, D Harvest: J, F, M, A, M, J, J, A, S, O, N, D	2.5-3.0	Bunched	Bright red hybrid for cultivation in summer. Very even grading with compact foliage. Due to the good uniformity, suitable for mechanical harvesting and bunching. IR: Foc 2.	10,000 precision	Treated Untreated	054144FK 054144NK
<b>LENNOX F1</b>	J F M A M J J A S O N D Sowing: J, F, M, A, M, J, J, A, S, O, N, D Harvest: J, F, M, A, M, J, J, A, S, O, N, D	2.5-3.0	Bunched	Intense red radish for cultivation in summer, with delicate offset root. The dark green foliage is robust and stable. Suitable for sale as bunched product and also without foliage. IR: Foc 2.	10,000 precision	Treated Untreated	054042FK 054042NK

## Round, red varieties (continued)

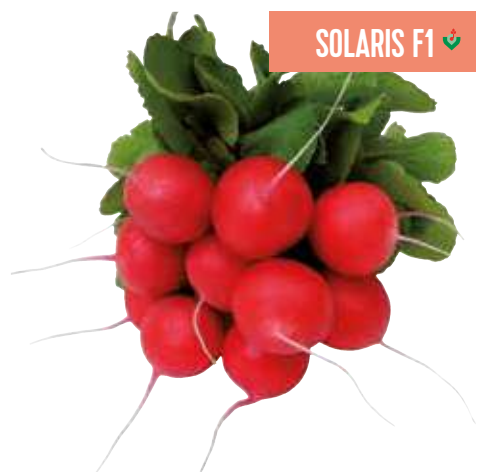
ANNABEL F1



ISIS F1



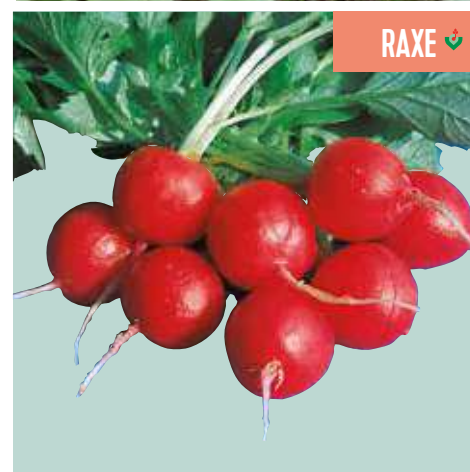
SOLARIS F1



SORA



RAXE



Varieties	Production calendar	Root diameter (cm)	Use	Characteristics	Min Qty	Product type	Item no.
<b>Open field</b>							
ANNABEL F1	J F M A M J J A S O N D Sowing: Apr-Jun, Harvest: Jul-Sep	2.5 - 3.0	Bunched	Homogenous radish with very nice interior quality for cultivation in spring & summer. Particularly suitable for cultivation on sandy soils.	10,000 precision	Treated	054091FK
CESAR F1	J F M A M J J A S O N D Sowing: Apr-Jun, Harvest: Jul-Sep	2.5 - 3.0	Bunched	Bright red, uniform radish with good interior quality for year-round cultivation.	10,000 precision	Untreated	H54155NK
CELESTA F1	J F M A M J J A S O N D Sowing: Apr-Jun, Harvest: Jul-Sep	2.5	Bunched	Round, red radish for year-round cultivation outdoors. Celesta is a reliable variety in any conditions. Good retention of foliage after harvesting.	10,000 precision	Treated Untreated	H54080FK H54080NK
ELLIS F1 (HI 14 402 RAR)	J F M A M J J A S O N D Sowing: Apr-Jun, Harvest: Jul-Sep	3.0 - 3.5	Bunched	Radish with compact foliage for outdoor summer crop.	10,000 precision	Treated Untreated	054130FK 054130NK
ISIS F1	J F M A M J J A S O N D Sowing: Apr-Jun, Harvest: Jul-Sep	3.0	Bunched	Very uniform summer radish with bright red colouring. The healthy foliage remains compact and good for bunching, even in high temperatures.	10,000 precision	Untreated	054143NK
RAXE	J F M A M J J A S O N D Sowing: Apr-Jun, Harvest: Jul-Sep	2.5-3.5	Bunched	Round, bright red outdoor radish with compact foliage which is good for bunching. Raxe is resistant to furriness. Delicate root neck. For outdoor cultivation from spring to autumn.	10,000 precision	Untreated	054011NK
SOLARIS F1	J F M A M J J A S O N D Sowing: Apr-Jun, Harvest: Jul-Sep	2.5-3.0	Bunched	Robust, reliable hybrid with stable foliage. Very uniform, round, bright red radish with delicate root. For year-round outdoor cultivation. Machine-washable.	10,000 precision	Treated Untreated	054018FK 054018NK
SORA	J F M A M J J A S O N D Sowing: Apr-Jun, Harvest: Jul-Sep	2.5-3.5	Bunched	Bright red outdoor radish with medium-length foliage good for bunching. The tuber is round, burst-proof and resistant to furriness. For outdoor cultivation from spring to autumn. Bright red, tuber size: large, tuber colour: bright red. Earliness: medium-late. Tuber shape: round. Foliage: medium length.	100 g 10,000 precision	Untreated	054046NS 054046NK

## Half-length varieties

PATRICIA



Varieties	Production calendar	Root		Ratio of white/red	Use	Characteristics	Min Qty	Product type	Item no.
		Length (cm)	Shape						
DIABLUS F1	J F M A M J J A S O N D	5		1/3 - 1/4	Bunched	Delicate root neck. Good shelf life after harvest, mild flesh. Resistant to furriness. Improved resistance to downy mildew (IR).	50,000 precision	Untreated	054084NK
	50,000 precision						Treated	054084FK	
PATRICIA	J F M A M J J A S O N D	5		1/3 - 1/4	Bunched	Medium-long, uniform, cylindrical, bright red radish with white tip. Excellent interior quality. Medium length vigorous foliage, very good for bunching.	10,000 precision	Untreated	054071NK

## Long radish

CANDELA DI FUOCO /  
CANDLE OF FIRE

EISZAPFEN



Varieties	Production calendar	Root length (cm)	Use	Characteristics	Min Qty	Product type	Item no.
CANDELA DI FUOCO	J F M A M J J A S O N D	16	Bunched	Bright red, long radish with white flesh & mildly spicy flavour. Fast-growing variety with high yield. Ideal for direct marketing	50 g	Untreated	054159NS
EISZAPFEN	J F M A M J J A S O N D	10-12	Bunched	Conical/pointed, white radish with short foliage, fast growing. For cultivation under glass and outdoors. Long white icicles, fast growing, tuber colour: white. Earliness: early. Tuber shape: long/conical. Foliage: short. Sowing weeks - greenhouse: 41-9. Sowing weeks - outdoors: 10-34.	10,000 precision	Untreated	054134NK

## Round, colourful varieties

MÉLANGE COULEUR PREMIUM



Varieties	Production calendar	Root diameter (cm)	Shape	Use	Characteristics	Min Qty	Product type	Item no.
MÉLANGE COULEUR PREMIUM (PREMIUM COLOUR MIX)	J F M A M J J A S O N D	2.5 - 3.5		Bunched	Colour mix of early varieties.	10,000 precision	Untreated	054128NK



MÉLANGE COULEUR



BACCHUS F1



BLANKA F1



MALAGA



HORUS

## Round, colourful varieties (continued)

Varieties	Production calendar	Root diameter (cm)	Shape	Use	Characteristics	Min Qty	Product type	Item no.
MÉLANGE COULEUR (COLOUR MIX)	J F M A M J J A S O N D Sowing: Apr to Aug, Harvest: May to Oct	2.5 - 3.5		Bunched	Mix consisting of equal quantities of the following varieties: Raxe, Gaudry 2, Zlata, Malaga and Sniezka.	10,000 precision	Untreated	054098NK
BACCHUS F1	J F M A M J J A S O N D Sowing: Apr to Aug, Harvest: May to Oct	3		Bunched	Purple hybrid variety. Nice and round. Excellent flavour.	10,000 precision	Treated Untreated	054110FK 054110INK
MALAGA	J F M A M J J A S O N D Sowing: Apr to Aug, Harvest: May to Oct	3		Bunched	Purple root with white flesh. Resistant to furriness. Cycle of 35-40 days.	10,000 precision	Treated Untreated	054096FK 054096NK
HORUS	J F M A M J J A S O N D Sowing: Apr to Aug, Harvest: May to Oct	2.5 - 2.75		Bunched	Bright yellow colour and mild taste. White flesh. Round, smooth root, resistant to bursting and furriness.	10,000 precision	Untreated	054117NK
BLANKA F1	J F M A M J J A S O N D Sowing: Apr to Aug, Harvest: May to Oct	3		Bunched	White and uniform root. Excellent flavour.	10,000 precision	Treated Untreated	054056FK 054056NK

# Winter radish

**Seed requirements:**  
5-8 kg/ha 600,000 - 800,000 seeds / ha  
Row spacing (cm) 15 - 35 x 5 - 10 seed spacing in a row



R 315 F1

OSTERGRUSS ROSA 2/  
FRÜHLINGSGRUSS

## Winter long radish

Varieties	Production calendar	Root length (cm)	Use	Characteristics	Min Qty	Product type	Item no.
OSTERGRUSS ROSA 2/ FRÜHLINGSGRUSS	J F M A M J J A S O N D Sowing: Apr to Jun Harvest: Jul to Oct	25-30	Loose	Half-length bunching radish, dark pink. Homogenous variety for outdoor and greenhouse cultivation. Standard variety in professional cultivation. Compact, dark foliage, good for bunching.	10,000 precision	Untreated	054014NK
R 315 F1	J F M A M J J A S O N D Sowing: Apr to Jun Harvest: Jul to Oct	15-20	Loose	Red, blunted, very uniform bunching radish for summer cultivation, colour: bright red. Type: Bundling. Earliness: medium-early. Interior quality: very good. Greenhouse or outdoor cultivation: FR. Bolt-resistance: medium.	10,000 seeds	Untreated	H54151NG



MISATO ROSE FLESH



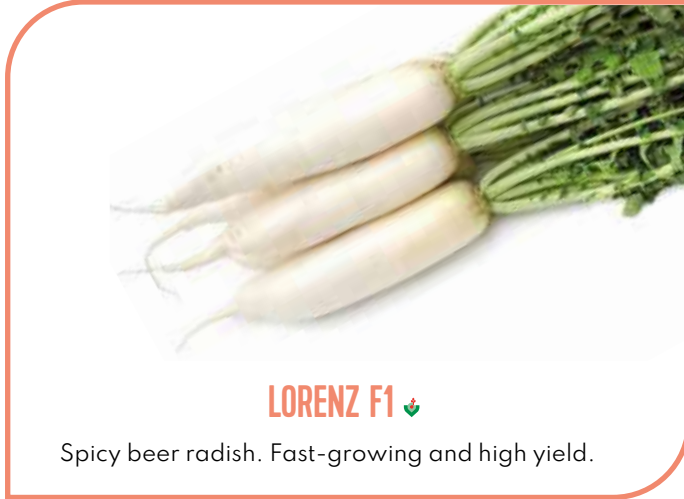
RUNDER SCHWARZER WINTER

WIENER RUNDER  
KOHLSCHWARZER

## Winter round radish

Varieties	Production calendar	Root diameter (cm)	Use	Characteristics	Min Qty	Product type	Item no.
RUNDER SCHWARZER WINTER	J F M A M J J A S O N D Sowing: Apr to Jun Harvest: Jul to Oct	8-10	Bunched, loose, storage	Very good storage suitability. Beautiful round tuber. Spherical root. Strong foliage. Outdoor cultivation.	10,000 precision	Untreated	054050NK
WIENER RUNDER KOHLSCHWARZER	J F M A M J J A S O N D Sowing: Apr to Jun Harvest: Jul to Oct	5-12	Loose, storage	Standard as a black winter radish, storage possible; colour: black. Type: Sphere. Earliness: late. Interior quality: very good. Greenhouse or outdoor cultivation: FR. Bolt-resistance: medium.	50 g	Untreated	054152NS
MISATO ROSE FLESH	J F M A M J J A S O N D Sowing: Apr to Jun Harvest: Jul to Oct	5-12	Bunched, Loose, storage	White, round radish with green shoulder and intense dark pink flesh. Uniform shape and size. Very sweet taste. Stable, healthy foliage.	10,000 seeds	Untreated	054126NG

## Half-length winter radish



**LORENZ F1** 🌱

Spicy beer radish. Fast-growing and high yield.

## Japanese white radish



**GAWAIN F1** 🌱



**LANCELOT F1** 🌱

Varieties	Produktionskalender	Root length (cm)	Use	Characteristics	Min Qty	Product type	Item no.
<b>Half-length winter radish</b>							
<b>FIDELIUS F1</b> 🌱	J F M A M J J A S O N D Sowing: J, F, M, A, M, J, J, A, S, O, N, D Harvest: J, J, A, S, O, N, D	25	Loose	Very white, approx. 25 cm long cylindrical beetroot with full-edge foliage and a hot radish taste. Only for summer cultivation, does not form a green head even when overripe. Improved resistance to Verticillium.	1,000 seeds	Untreated	054135NG
					1,000 precision	Untreated	054135NK
<b>LORENZ F1</b> 🌱	J F M A M J J A S O N D Sowing: M, A, M, J, J, A, S, O, N, D Harvest: M, J, J, A, S, O, N, D	25-30	Loose	Bolt-resistant, half-length variety with hot radish taste. Very smooth, white beetroot with dark green foliage. Fast-growing, high-yield, does not become furry and does not lignify. Very easy to harvest due to the beetroot heads standing above the soil. Colour: white. Type: Beer radish. Earliness: medium. Interior quality: very good. Greenhouse or outdoor cultivation: FR. Good bolt-resistance.	1,000 seeds	Untreated	054138NG
					1,000 precision	Untreated	054138NK
<b>NEPTUN F1</b>	J F M A M J J A S O N D Sowing: M, A, M, J, J, A, S, O, N, D Harvest: M, J, J, A, S, O, N, D	25-30	Loose	Half-length, white radish. Only a few fine lateral roots. Not suitable for soils prone to Verticillium, low tendency to furriness. Type: Beer radish. Earliness: medium. Interior quality: good. Greenhouse or outdoor cultivation: FR. Good bolt-resistance.	2,500 precision	Untreated	054145NK
<b>VITUS F1</b> 🌱	J F M A M J J A S O N D Sowing: J, F, M, A, M, J, J, A, S, O, N, D Harvest: J, J, A, S, O, N, D	25	Loose, storage	Pure white radish hybrid with full-edge foliage and hot taste, does not form a green head. Only for summer cultivation. Extremely smooth, cylindrical beetroot with improved resistance to Verticillium. Fast development (comparable to Lorenz, F1). Type: Beer radish. Earliness: medium. Interior quality: very good. Greenhouse or outdoor cultivation: FR. Bolt-resistance: medium.	1,000 seeds	Ungebeizt	054140NG
					1,000 precision	Ungebeizt	054140NK
<b>Japanese white radish</b>							
<b>SNOWBIRD F1</b>	J F M A M J J A S O N D Sowing: M, A, M, J, J, A, S, O, N, D Harvest: M, J, J, A, S, O, N, D	30-40	Loose	Ideal shape with mid-length root. Optimum bolt-resistance and some resistance to Verticillium. Ripening period 60 days. Type: Beer radish. Earliness: very early. Interior quality: very good. Greenhouse or outdoor cultivation: FR. Good bolt-resistance.	10,000 seeds	Untreated	054150NG
<b>MERLIN F1</b> 🌱	J F M A M J J A S O N D Sowing: M, A, M, J, J, A, S, O, N, D Harvest: M, J, J, A, S, O, N, D	40	Loose	"Slim, white Japanese individual radish with a smooth surface and a beet length of about 40 cm; slightly faster development than Lancelot, stable foliage, mild taste, uniform hybrids with a high crop rate."	10,000 seeds	Untreated	054139NG
					1,000 precision		054139NK
<b>LANCELOT F1</b> 🌱	J F M A M J J A S O N D Sowing: M, A, M, J, J, A, S, O, N, D Harvest: M, J, J, A, S, O, N, D	35-45	Loose	Slim, bright white Japanese individual radish (approx. 40 cm) with an extremely smooth surface. Stable foliage, mild taste. Uniform hybrids with excellent crop rates.	10,000 seeds	Untreated	054137NG
					1,000 precision		054137NK
<b>GAWAIN F1</b> 🌱	J F M A M J J A S O N D Sowing: J, F, M, A, M, J, J, A, S, O, N, D Harvest: J, J, A, S, O, N, D	40-50	Loose	Uniform hybrids for summer cultivation. Approx. 40 cm long, very smooth and slender beets with white head and compact foliage. High crop rates.	10,000 seeds	Untreated	054136NK

# Red beet

*Beta vulgaris L. conditiva alef.*

## Cylindrical varieties

### Sowing:

February to early July

### Seed requirements:

10 g for 1,000 plants  
400,000-600,000 seeds/ha  
25 kg/ha for mini vegetables  
50-60 seeds/g

### Pre-cultivation:

5 - 8 weeks

### Germination:

9-10 days



### Planting density:

350,000 to 550,000 plants/ha  
30-35 cm between the rows  
Round beets: 20 to 28 seeds per metre  
Long beets: 14 seeds per metre

### Fertilisation (u/ha):

**N** = 150-200 **P** = 150 **K** = 250-300  
Caution: Boron deficiency risk



KOSAK



FORONO



ALTO



TAUNUS F1

Varieties	Harvest maturity	Use	Storage life	Characteristics	Min Qty	Product type	Item no.
KOSAK	Medium-late	Fresh food market / industry	Good	12-15 cm long, very well coloured beet, proven variety, medium-length and cylindrical. Good bolt-resistance. Beet shape: cylindrical. Calibre: 3.5-4 mm.	10,000 precision	Untreated	H03060NK
ALTO	Medium-late	industry	Good	Medium-length, smooth industrial variety with good interior quality and dark red flesh. Good bolt-resistance. Beet shape: cylindrical. Calibre: 3.5-4 mm.	10,000 precision	Untreated	H030512NK
TAUNUS F1	Medium-late	industry	Good	Cylindrical, medium length, smooth beet, excellent interior quality, homogenous colouring. Bolt-resistance: medium. Beet shape: cylindrical. Calibre: 3.5-4 mm.	10,000 precision	Treated	H03061FK
					10,000 precision	Untreated	H03061NK
FORONO	Late	Fresh food market / industry, pre-cooked	Fairly good	Long, cylindrical beet with dark red flesh. Gives even slices. Excellent taste.	10,000 precision	Untreated	H03006NK

## Colourful varieties



PABLO F1





ALBINA VEREDUNA



BURPEES GOLDEN



GOLDEN EYE

Varieties	Harvest maturity	Use	Storage life	Characteristics	Min Qty	Product type	Item no.
 PABLO F1	Medium-early	Fresh food market / industry / baby beets	Very good	Dark red, homogenous colouring, suitable for fresh food market, industry and baby beets, good storage properties, sowing rate of 0.6 to 1.5 million seeds per hectare (depending on use), sowing from March to July. Bolt-resistance: medium.	10,000 precision	Untreated	H030240NK
ALBINA VEREDUNA	Medium-early	Fresh food market	Good	Round, white tuber with white flesh. Excellent, sweet taste.	1,000 precision	Untreated	003041NK
 BURPEES GOLDEN	Medium-early	Bunched, fresh food market / industry / baby beets	Good	Original variety with yellow flesh. Good flavour. Robust plant.	50 g 1,000 precision	Treated	003027FS 003027FK
GOLDEN EYE	Medium-early	Bunched, fresh food market / industry	Good	Smooth, round to oval-shaped beet. Very beautiful orange flesh, homogenous variety with fine root. Vigorous plant and robust. Good flavour, fruity and sweeter than Rote Beete.	1,000 precision	Treated	003045FK
						Untreated	003045NK
CHIOGGIA	Medium-late	Fresh food market	Good	Original variety with two-tone flesh forming concentric circles. Very mild taste.	50 g	Untreated	003033INS



DETROIT 2 BOLIVAR



MONETA F1



BAZZU



CHIOGGIA



BORO F1



HILMAR®

### Round, red varieties

Varieties	Harvest maturity	Use	Storage life	Characteristics	Min Qty	Product type	Item no.
<b>MONETA F1</b>	Medium-early	Fresh food market	Good	Monogerm, round Rote Beete for the fresh food market	10,000 precision	Untreated	H03020NK
<b>BAZZU F1</b>	Medium-late	Fresh food market / industry / storage	Medium	Rhizomania-resistant variety with smooth, round beets and strong interior and exterior colour. Bolt-resistance: medium. Resistances (IR): BNYYV.	10,000 precision	Untreated	H03020NK
<b>CHIOGGIA</b>	Medium-late	Fresh food market	Good	Original variety with two-tone flesh forming concentric circles. Very mild taste.	50 g	Untreated	003033INS
<b>BORO F1</b>	Medium-early	Fresh food market / industry	Good	Main variety in organic cultivation, robust growth, strong, resistant foliage, good content values, excellent for storage, sowing rate from 0.5 to 0.7 million seeds per hectare, sowing from April to June. Bolt-resistance: medium.	10,000 precision	Untreated	H03025NK
<b>DETROIT 2 RACE BOLIVAR</b>	Early	Fresh food market / industry	Very good	Good bolt-resistance. Poor assimilation of nitrates. Precision seeds and technical monogerm seeds.	50 g	Treated	003009FS
					50 g	Untreated	003009NS
					10,000 precision	Untreated	003009NK
<b>GRENADE F1</b>	Medium-early	Fresh food market / industry	Good	Interior colour remains during cooking, vigorous healthy foliage with strong foliage development, even, round tuber with a very smooth, easy peel skin, rhizomania-resistant. Good bolt-resistance. Resistances: HR: Riz. Calibre: 3.5-4 mm.	10,000 precision	Untreated	H03049INK
<b>ROTE KUGEL 2/ HILMAR®</b>	Medium-late	Fresh food market	Good	Round variety with smooth skin and fine root. Homogenous solid red colour. Medium-strong foliage, good bolt-resistance. Suitable for summer and autumn harvest.	50 g	Untreated	003054NS
					10,000 precision		003054NK



# Rhubarb

*Rheum rhabarbarum*

**Seed requirements:**  
30 g for 1,000 plants

**Planting density:**  
80 x 100 cm



Variety	Characteristics	Min Qty	Product type	Item no.
<b>VICTORIA</b>	Hardy variety with broad, fleshy, 60 cm long stems with an excellent taste. Only plant the seedlings with a red stem.	10 g	Untreated	058170NS

# Salsify

*Tragopogon porrifolium*

**Sowing:**  
April - May

**Seed requirements:**  
8 to 10 kg/ha  
75-90 seeds/g

**Germination:**  
8-10 days  
Keep soil moist during germination

**Planting density:** :  
8 to 10 x 25 to 30 cm i.e. 30 to 50 plants/m<sup>2</sup>

**Fertilisation (u /ha):**  
**N** = 100-150  
**P** = 100-150  
**K** = 200-250



Variety	Characteristics	Min Qty	Product type	Item no.
<b>MAMMOUTH</b>	Long root with smooth, white flesh.	50 g	Untreated	055100NS

# Scorsonera

*Scorsonera hispanica L.*

**Sowing:**  
Beginning of April until end of May

**Seed requirements:**  
8 to 10 kg per ha  
75-90 seeds/g

**Germination:**  
8-10 days  
During germination, the soil must remain moist



**Planting density:**  
8 to 10 x 25 to 30 cm i.e. 30 to 50 plants/m<sup>2</sup>

**Fertilisation (u /ha):**  
**N** = 100-150 **P** = 100-150  
**K** = 200-250



Variety	Characteristics	Min Qty	Product type	Item no.
<b>HOFFMANN'S SCHWARZE PFAHL</b>	Cylindrical, thick, delicate root with firm flesh. It grows to medium length or long, depending on the soil conditions, is blunt-ended and rarely branches. Black-brown, delicate skin, excellent interior quality.	50 g	Untreated	055009NS

# Turnip

*Brassica rapa var. rapa L.*

**Sowing:**  
Direct sowing from January to September

**Seed requirements:**  
0.75 to 1.5 kg/ha  
700,000 to 800,000 seeds/ha  
400 to 600 seeds/g

**Germination:**  
5-10 days



**Planting density:**  
700,000 seeds/ha i.e. 15-35 cm x 5-10 cm

**Fertilisation (u/ha):**  
N = 60-80 P = 60-70 K = 100-120

## Round type

**NORDIK**



**SWEETBELL F1**



**JAUNE BOULE D'OR (GOLDEN BALL TURNIP)**



**POLAR F1** 🌱

Bolt- and burst-proof

**SPRING BREAK F1** 🌱



**MISTRAL F1**



## Flat, round

**COLLIE F1**














**AUDRIC** 🌱








**SCARLET QUEEN RED STEM F1\*\***



## Round type

Varieties	Cultivation type / Cultivation period				Tuber		Use	Characteristics	Min Qty	Product type	Item no.	
	Spring	summer	autumn	Late autumn / winter	Shape	Calibre (cm)						
<b>White with purple root neck</b>												
 <b>SWEETBELL F1</b>	☰	Λ	∩	T	∩	∩		∅ 5-7.5 Bunched, loose	Year-round cultivation, for bunched products but also possible as mini vegetable.	25,000 seeds	Untreated	043012NG
<b>RUNDE WEISSE ROTKÖPFIGE</b>			—					∅ 7-12 Storage	Robust variety for field cultivation and sugar beet; for canning in the autumn. Colour: red/white. Bolt-resistance: medium. Sowing period: 32-35.	100 g	Untreated	043026NS
<b>BLANC GLOBE À COLLET VIOLET RACE NORDIK</b>			—	—				∅ 8-10 Bunched, storage	Good cold resistance. Delicate root neck. Very uniform.	50,000 Precision	Untreated	043030NK
<b>Yellow</b>												
<b>JAUNE BOULE D'OR (GOLDEN BALL TURNIP)</b>			—					∅ 8-10 Bunched, storage	Cut-out leaves. Good cold resistance. Ideal for stew / soup vegetables mixes.	50,000 Precision	Treated	043003FK
<b>White</b>												
<b>MISTRAL F1</b>	☰	Λ	∩	T	∩	∩		∅ 8-10 Bunched, loose	Round, white long turnip hybrid, suitable for all growing periods. Slightly slower development than Polar, F1. Compact foliage, mild flavour. Optimum harvesting size is when turnip diameter = approx. 8 - 10 cm.	10,000 precision	Untreated	043050NK
										50 g		043050NS
<b>POLAR F1</b> 	☰	Λ	∩	T	∩	∩		∅ 8-10 Bunched, loose	Bolt- and burst-resistant long turnip for all growing periods. Bright white, spherical beets with dark green, compact foliage. Optimum harvesting size is when turnip diameter = approx. 8 - 10 cm. Suitable for bunching as well as the production of piece-goods. Excellent food quality, mild taste.	50 g	Untreated	043051NS
										10,000 precision	Untreated	043051NK
<b>SPRING BREAK F1</b> 	☰	Λ	∩	T	∩	∩		∅ 8-10 Loose	Especially suitable for the early season, i.e. only for sowing until the end of April (first set). Bolt- and burst-resistant long turnip with a short development time, 5-7 days shorter than for Polar, F1. Bright white, spherical turnip with dark green, compact foliage. Optimum harvesting size is when turnip diameter = 8 - 10 cm. Suitable for bunching as well as the production of piece-goods. Excellent food quality.	10,000 precision	Untreated	043052NK
										50 g	Untreated	043052NS
<b>BLANC DUR D'HIVER</b>			—					∅ 8-10 Bunched, Storage	Firm, white root. Good cold resistance. For winter production. Length 15 cm.	50 g	Untreated	043017NS

## Flat, round

Varieties	Cultivation type / Cultivation period				Tuber		Use	Characteristics	Min Qty	Product type	Item no.	
	Spring	summer	autumn	Late autumn / winter	Shape	Calibre (cm)						
<b>White with purple root neck, Milan type</b>												
 <b>DE MILAN À FORCER À COLLET ROSE RACE AUDRIC</b> 	☰	Λ	∩	T	∩	∩		∅ 7-8 Bunched, loose	Early, very uniform variety. Compact, upright foliage with a fine root neck. Good bolt-resistance.	50,000 Precision	Treated	043037FK
<b>Pink/ purple</b>												
<b>COLLIE F1</b>			—					∅ 6-8 -	New variety for expansion of the range with an intensely red, flat, round tuber. Colour: red. Bolt-resistance: very good.	1,000 precision	Untreated	H43024NK
<b>SCARLET QUEEN RED STEM F1**</b>	☰	Λ	∩	T				∅ 6-8 Bunched	Pink, flat and round turnip with white-pink coloured flesh with a splash of red in the centre. The attractive red stems can be used in salads.	50 g	Untreated	043049NS

Λ Greenhouse ∩ Cold greenhouse ☰ Protected cultivation ☰ Open field with foil — Open field T All

# Sweet potato

## Plug plants

09



# Sweet potato Plug plants

*Ipomea batata*

SAKURA  <sup>(1)</sup>



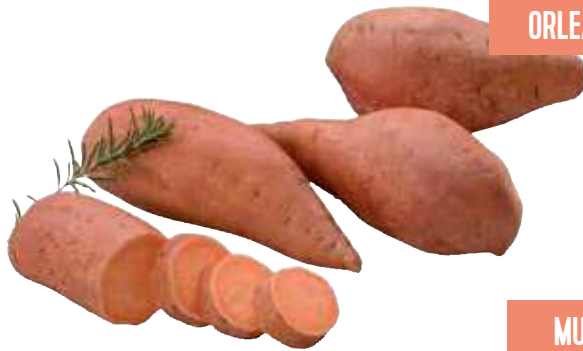
BEAUREGARD



BONITA  <sup>(3)</sup>








ORLEANS  <sup>(2)</sup>



MURASAKI 29  <sup>(4)</sup>

EVANGELINE  <sup>(5)</sup>



Varieties	Colour		Shape	Characteristics	Development time in days	Resistances
	Peel	Flesh				
<b>Orange Pulpit</b>						
BEAUREGARD	Red	Orange	Elliptical	The variety with the highest yields in southern Germany and Austria in the last two years; sorting result top amongst the varieties; dry matter content 22%.	90-95	IR: Si, S / R: Fo, Fs, R
EVANGELINE  <sup>(5)</sup>	Red-violet	Orange	Elliptical	Very aromatic and sweet; easy to harvest.	100-110	IR: Si, S / R: Fo, Fs, R, N
ORLEANS  <sup>(2)</sup>	Red	Orange	Elliptical	Very uniform tubers.	90-95	IR: Si / R: Fo, Fs, R
<b>Diversification</b>						
SAKURA  <sup>(1)</sup>	Purple	Light purple	Elliptical	New item with light purple flesh and a good flavour.	110-120	HR: N / IR: Si; R: Fo, Fs, R
BONITA  <sup>(3)</sup>	Light brown-pink	White	Elliptical	Good exterior quality, nutty aroma, dry matter content 29%.	90-95	HR: N / IR: Si, Fo
MURASAKI 29  <sup>(4)</sup>	Violet-red	White	Round, elliptical	A distinct, intensely nutty flavour, very appealing compared with other varieties, without beta-carotene.	115-120	HR: N / IR: Si; R: Fo, Fs, R

These varieties are subject to plant variety protection law and are protected under licensing law as: <sup>(1)</sup>Ipomea batatas 'Sakura' COV (PBR EU 57953) <sup>(2)</sup>Ipomea batatas 'Orléans' COV (PBR EU 51936) <sup>(3)</sup>Ipomea batatas 'Bonita' COV (PBR EU 51934) <sup>(4)</sup>Ipomea batatas 'Murasaki 29' COV (PBR EU 51933) <sup>(5)</sup>Ipomea batatas 'Evangeline' COV (PBR EU 51932). The propagation of these varieties without a licence agreement is prohibited.

# Sweet corn

Whether for the fresh food market or industry, early or late, our product developers select the best genetics and match the demands of consumers and producers so that we can offer you a complete range of sweet corn. Discover our range.

## 10



# Sweet corn

*Zea mays saccharata*

**Sowing:**  
May/June

**Seed requirements:**  
50,000 to 60,000 seeds/ha

**Germination:**  
6-10 days  
Minimum soil temperature above 15°C.



**Planting density:**  
20-28 x 70-100 cm  
≥ 300 m spacing, downwind of fodder maize because of cross-pollination risk

**Fertilisation (u /ha):**  
N = 150 P = 100 K = 150



**TATONKA F1** ↓



**BAHA F1** ↓



**EARLYBIRD F1**



**CAMELO F1** ↓

Varieties	Colour	No. of days (1)	Cob length	No. of rows	Type	Resistances	Characteristics	Min Qty	Product type	Item no.
<b>TATONKA F1</b> ↓	Yellow	67	21 cm	14-16	Sh2	IR: NCLB	Extra-sweet, early ripening variety, distinguished above all by its good stability and excellent, golden yellow colour. Full cobs with 14 kernels per ring. For industry. Ideal for processing.	1,000 seeds	Untreated	040106NG
								10,000 seeds	Treated	040106FG
<b>EARLYBIRD F1</b>	Yellow	67-69	19 cm	16	Sh2	IR: Bm	Earliest variety in the segment, ideal for packaging, good top filling, earliest variety for the market, short, low plant.	1,000 seeds	Untreated	H40012NG
									Treated	H40012FG
<b>BAHA F1</b> ↓	Yellow	70-72	21 cm	16-18	Sh2	HR:Ps	Very early sweet corn hybrid with beautiful golden yellow cylindrical cobs with very good filling for the fresh food market and industry. Early variety, not suitable for heavy soils in the earliest sowing period for Western Europe.	1,000 seeds	Untreated	040107NG
								10,000 seeds	Treated	040107FG
<b>CAMELO F1</b> ↓	Yellow	71-75	20 cm	16	Sh2	—	Early, extra-sweet hybrid (sh2) with yellow cob colour and very good filling to the top. Slim plant structure. Only fresh food market, no processing.	1,000 seeds	Untreated	040093NG
									Treated	040093FG

KHAN F1



MS VEGA F1



EARLY RISER F1



BIMBO F1



MIRZA F1



Varieties	Colour	No. of days (l)	Cob length	No. of rows	Type	Resistances	Characteristics	Min Qty	Product type	Item no.
BIMBO F1	Yellow	72	17 cm	14	Sh2	IR: NCLB, Ps	Very early variety for the first sowings.	1,000 seeds	Treated	H40019FG
									Untreated	H40019NG
EARLY RISER F1	Yellow	72	18 cm	14-16	Sh2	HR: Et	Early sweet corn with golden yellow cobs for the fresh food market and processing.	1,000 seeds	Treated	H40088FG
MIRZA F1	Yellow	72	24 cm	16-18	Sh2	HR: Corn rust, Turcicum	Medium-late, extra-sweet hybrid with dark yellow ear colour and very good filling to the top. Vigorous plant with high yield potential. For both the industry and the fresh food markets.	5,000 seeds	Treated	040103FG
								1,000 seeds	Untreated	040103NG
MS VEGA F1	Yellow	76-80	20 cm	16-18	Sh2	—	Medium late ripening variety with 18 kernels per ring. Uniform cobs fully filled to the tip. Extra sweet flavour. For the fresh food market and industry.	1,000 seeds	Untreated	040104NG
									Treated	040104FG
KHAN F1	Yellow	76-80	22 cm	16-18	Sh2	HR: MDMV, Ps IR: NCLB	Medium-late, extra-sweet hybrid with yellow ear colour and very good filling to the top. Vigorous plant with high yield potential. Suitable for fresh food market and industry. Not suitable for lower soil temperatures (Western Europe). Resistant (HR) to maize dwarf mosaic and corn rust; robust against leaf spot disease.	10,000 seeds	Treated	040102FG
								1,000 seeds	Untreated	040102NG




# Sweet corn popcorn

*Zea mays saccharata*

ROBUST 90252 F1



Variety	Colour	No. of days (l)	Cob length	No. of rows	Type	Resistances	Characteristics	Min Qty	Product type	Item no.
 ROBUST 90252 F1	Yellow	—	—	—	—	—	Yellow kernels. Very high yield. Excellent flavour.	1,000 seeds	Untreated	040043NG



# Bulb vegetables 11

One of the historic specialities at VOLTZ Maraîchage. Our secret? Combining our expertise with an open mind, day after day. Two elements that lead us to continually explore all the genetic richness that every plant species can offer us. In the end, there is only one goal: ensuring that all your requirements are met!



# Leek

*Allium porrum L.*

**Sowing:**  
February to early July

**Seed requirements:**  
· 200 to 350,000 seeds/ha  
· Nursery: 3 to 4 g/m<sup>2</sup>  
350-400 seeds/g

**Pre-cultivation:**  
10 to 14 weeks

**Germination:**  
9-12 days

**Planting density:**  
· 160,000 to 220,000 plants/ha  
· Row spacing 30-35 cm and 20 to 35 seeds per metre

**Fertilisation (u/ha):**  
**N** = 150-200 **P** = 150 **K** = 250-300  
Caution: Boron deficiency risk



**CHIEFTON F1**



**WALKER F1**



**LIKESTAR F1**



**KRYPTON F1**



**BELTON F1**

## Hybrid varieties

Varieties	Production calendar	Leaf colour	Shaft-length	Characteristics	Min Qty	Product type	Item no.
<b>WALKER F1</b>	J F M A M J J A S O N D	Medium green	Very long	Bulgarian giant type, i.e. leek with long shaft; these types are very suitable for pre-packing and industry. Resistances: IR: Pa (Leek rust).	2,500 precision	Treated	H51147FK
<b>LIKESTAR F1</b>	J F M A M J J A S O N D	Dark green	25-27	Autumn / early winter variety. Medium length shaft. Stable, dark leaf. High yield.	10,000 precision	Untreated	H50140NK
<b>BELTON F1</b>	J F M A M J J A S O N D	Dark Blue-green	23-26	Very upright, long-shafted autumn hybrid. Very productive and remarkably good cleaning performance. Development time: medium.	1,000 pilled seed	Untreated	H50126NEV
<b>CHIEFTON F1</b>	J F M A M J J A S O N D	Very dark	23-27	Long-shafted, very upright autumn hybrid with medium development time, robust foliage, resistant to thrips. High yield and good cleaning properties. Ideal for soup vegetables and fresh food market. Development time: medium.	1,000 pilled seed	Untreated	H50150NEV
<b>KRYPTON F1</b>	J F M A M J J A S O N D	Dark green blueish	Medium to long	Flexibly used variety, medium shaft length. Remarkably good cleaning performance. Healthy, upright, dark foliage and very good shaft quality. Flexibly used variety with medium shaft length; very good cleaning performance, very healthy, upright foliage. Very good health. Development time; fast - medium.	2,500 precision 1,000 pilled seed	Untreated	H50139NV H50139NEV

Hybrid varieties (continued)



PLUSTON F1



MAKO POWER F1



SEVILLE

Industry



VARNASTAR F1

Varieties	Production calendar	Leaf colour	Shaft-length	Characteristics	Min Qty	Product type	Item no.
<b>Hybrid varieties (continued)</b>							
<b>LONGTON F1</b>	J F M A M J J A S O N D Sowing: Feb-Apr; Harvest: Oct-Dec	Dark	Medium to long	Very long shaft and very upright, slow autumn hybrid, very good cleanability. Very healthy, dark foliage, remarkably robust against thrips. For harvesting from early October through to the first frost. Development time: medium - slow.	1,000 pilled seed	Untreated	H50152NEV
<b>NIKOLA F1</b> 🍀	J F M A M J J A S O N D Sowing: Feb-Mar; Harvest: Oct-Dec	Dark green blueish	Medium	Upright leaves. Good colour (dark green). Uniform size (20/40). Very easy to clean. Good rust resistance	10,000 precision	Untreated	050061NK
<b>NUNTON F1</b>	J F M A M J J A S O N D Sowing: Feb-Apr; Harvest: Oct-Dec	Dark	Medium	Upright autumn hybrid with medium shaft length. Exceptionally uniform shaft length/diameter. Very good cleanability. Very attractive end product for the premium segment. Development time: medium.	1,000 pilled seed	Untreated	H50153NEV
<b>PLUSTON F1</b>	J F M A M J J A S O N D Sowing: Feb-Mar; Harvest: Oct-Dec	Blue-green	Medium to long	Winter hybrid with above-average shaft length, for the harvesting period from end of November to April. Upright, blue-green, very healthy foliage and good shaft quality. Very hardy, suitable for storage. Winter hybrid with above-average shaft length, very healthy foliage, good winter hardiness, suitable for storage. Very good health. Development time: slow.	1,000 pilled seed	Untreated	H50014NEV
<b>SHAFTON F1</b>	J F M A M J J A S O N D Sowing: Feb-Mar; Harvest: Oct-Dec	Medium green	Medium to long	Leek with very fast-growing shaft for the first set. Short harvesting window. Very good bolt-resistance. Development time; very fast.	1,000 pilled seed	Untreated	H50154NEV
<b>MAKO POWER F1</b>	J F M A M J J A S O N D Sowing: Feb-Apr; Harvest: Oct-Dec	Dark blue-green	Long	Dark leaf colour, medium shaft length, good resistance to diseases, easy to clean. Health: very good.	10,000 precision	Untreated	050024NK
<b>Industry</b>							
<b>VARNASTAR F1</b>	J F M A M J J A S O N D Sowing: Feb-Mar; Harvest: Oct-Dec	Light green	Very long	Bulgarian giant for industrial and tray packaging, very long and upright. Health: medium.	1,000 precision	Untreated	H50141NK

— Sowing — Planting — Harvest

Open-pollinated variety



MAKOSTAR



FARINTO



Varieties	Production calendar	Leaf colour	Shaft-length (cm)	Peeling	Characteristics	Min Qty	Product type	Item no.
<b>MAKOSTAR</b>	J F M A M J J A S O N D Sowing: Feb-Apr, May-Jun; Harvest: Feb-Mar, Jun-Jul, Nov-Dec	Blueish dark green	20-22	●●●●●	Easy to clean, only slight bulb formation. Upright growth. High yield. Healthy and robust plant. Looks very good at point of sale.	10,000 precision	Untreated	050116NK
<b>FARINTO</b>	J F M A M J J A S O N D Sowing: Mar-May, Jun-Jul; Harvest: Mar-Apr, Jun-Jul, Nov-Dec	Blueish dark green	20-22	●●○○○	Good quality, combined with high yield and robustness in overwintering. Dark green foliage, no bulb formation. SR: Roll size: 40 X 60 CM	2,500 precision 1,000 pilled seed 1 SR	Untreated	050090NK 050090INE 059209NP
<b>SEVILLA</b>	J F M A M J J A S O N D Sowing: Mar-May, Jun-Jul; Harvest: Aug-Sep, Nov-Dec	Blue-green	Medium	●●●●○	Open-pollinated late summer and autumn leek, easy to handle and peel. Health: good.	1,000 precision	Untreated	H50158NV
<b>HERBSTRIESEN 2/ HANNIBAL</b>	J F M A M J J A S O N D Sowing: Mar-May, Jun-Jul; Harvest: Feb-Mar, Aug-Sep, Nov-Dec	Blue-green	15-20	●●○○○	For autumn and winter harvests. SR: Roll size: 40 X 60 CM	1,000 pilled seed 2,500 precision 10 g 1 SR	Untreated	050057NE 050057NK 050057NS 059206NP

# Onion

*Allium cepa L.*

## Harvest maturity in onions

P00	Very early: from early August
P0	Early: mid-August
P1	Medium-early: end of August
P2	Medium-late: early September
P3	Late: mid-September

TKG: approx. 4 gr

**Pre-cultivation:**  
6 to 8 weeks

**Sowing:**  
Short-day variety: from end of August to early September  
Long-day variety: From mid-March to mid-April

**Planting density:**

20 to 30 seeds per linear metre.  
Row spacing: 25-35 cm.  
3 kg / ha: 750,000 onions / ha

**Recommended fertilisation (u /ha):**  
N = 80-120 P = 100-150 K = 150-200

## Yellow onion - long days (summer onion)

### UNIQUE CHARACTERISTICS

Calibre - Performance  
Colour - Yield



PRIMSO F1



PEZERO F1



FUNDADOR F1



LAMYCA F1

PRIMSO F1

PEZERO F1

FUNDADOR F1

LAMYCA F1

P00

P0

P1

P2



DRITAN F1



HYSKY F1



LUCA



EXHIBITION



PREDICTION F1



NEW

STARTON F1



MUSTANG F1



NATION F1



PROGRESSION



ROCKITO F1



VISION F1

Varieties	Harvest maturity	Shape	Storage life	Characteristics	Min Qty	Product type	Item no.
<b>PRIMSO F1</b> ↓	P00			Very fast variety with firm skin.	10,000 precision	Untreated Treated	O44186NK O44186FK
<b>PEZERO F1</b> ↓	PO			Early, vigorous and good colour.	25,000 precision	Untreated Treated	O44013NK O44013FK
<b>FUNDADOR F1</b> ↓	P1			Tall and round, very beautiful bronze-coloured onion. Robust against Fusarium. Medium fine neck. Good firmness. Very good yield and storage suitability.	25,000 precision	Treated	O44286FK
<b>DRITAN F1</b>	P1			Medium-early variety in intermediate segment with very high yields and good storage capability. Type: American. Harvest time: 34-35. Neck closure: medium fine. Skin firmness: good. Colour: brown.	10,000 precision	Treated Untreated	H44310FK H44310NK
<b>HYSKY F1</b>	P1			Increased resistance to Fusarium, slightly quicker than Mustang F1, beautiful skin colour, combined with good shelf life, maturity group: medium-early, storage life: April. Type: American/Rijnsburger. Harvest time: 34-35. Neck closure: medium fine. Skin firmness: very good. Colour: golden brown.	10,000 precision	Treated Untreated	H44311FK H44311NK
<b>LUCA</b>	P1			Robust variety for areas with low rainfall. Medium-sized onion with strong root system; good skin adhesion. Unirrigated trials in Lower Bavaria have led to positive results for this variety. Type: intermediate. Harvest time: 34-35. Neck closure: medium fine. Skin firmness: very good. Colour: dark brown.	10,000 precision	Treated Untreated	O44312FK O44312NK
<b>EXHIBITION</b>	P1			Tall and round, mild Spanish onion. Especially large onions are created by a planting system of sowing in January/February, and planting out in mid-March. Planting onion with short shelf life, mild Spanish onion for direct sales, attractive for gastronomy and peeling; maturity group: early, shelf life: November. Type: Spanish onion. Harvest time: 32-34. Neck closure: coarse. Skin firmness: slight. Colour: yellowish-brown.	10,000 precision	Treated Untreated	H44293FK H44293NK
<b>PREDICTION F1</b>	P1			Medium-early American onion with high resistance to downy mildew. Storage to March.	10,000 precision	Untreated	H44314NK
<b>STARTON F1</b>	P1			Medium-early American onion with good suitability for storage	25,000 precision	Treated	H44349FK
<b>LAMYCA F1</b> ↓	P2			Firm, very copper-coloured onion, good storage capability, very good yield potential.	10,000 precision	Untreated Treated	O44184NK O44184FK
<b>ELECTION F1</b>	P2			American type with good skin firmness and medium-fine neck closure. Very large onion. Storage February	25,000 precision	Treated	H44021FK
<b>MUSTANG F1</b>	P2			Not susceptible to Fusarium, round, very firm, maturity group: medium-late, storage life: April. Type: American/Rijnsburger. Harvest time: 36-38. Neck closure: medium fine. Skin firmness: very good. Colour: brown-yellow.	10,000 precision	Treated Untreated	H44125FK H44125NK
<b>NATION F1</b>	P2			Medium-early Rijnsburger for long-term storage (May) with high yield potential	10,000 precision	Treated	H44342FK
<b>PROGRESSION F1</b>	P2			New long storage type, later than Vision F1, above-average storage weight in 2-year trials, maturity group: medium-early, storage life: April. Type: Rijnsburger. Harvest time: 36-38. Neck closure: medium fine. Skin firmness: very good. Colour: brown-yellow.	10,000 precision	Untreated	H44315NK
<b>ROCKITO F1</b>	P2			Very even crop due to a healthy, vigorous root system; double security through good shooting resistance even after long storage, very good resistance to pressure; maturity group: medium-late, storage life: April. Type: Rijnsburger. Harvest time: 36-38. Neck closure: medium fine. Skin firmness: very good. Colour: brown.	10,000 precision	Treated	H44087FK
<b>VISION F1</b>	P2			Storage variety with bolt resistance, suitable for all soils due to strong root system, especially for long-term storage until March, maturity group: medium-early, storage life: March. Type: Rijnsburger. Harvest time: 36-38. Neck closure: medium fine. Skin firmness: very good. Colour: brown.	10,000 precision	Treated Untreated	H44316FK H44316NK



KEEP WELL F1



**Yellow onion - short days (winter onion)**

Varieties	Production calendar	Harvest maturity	Shape	Characteristics	Min Qty	Product type	Item no.
ADAGIO F1 (GV44321)	J F M A M J J A S O N D 	Very early		14 days faster. Fine neck closure, good skin firmness, short storage possible. Round onion with high uniformity. Standard variety for the early period.	10,000 precision	Treated	O44232FK
BRYO F1 (GV44231)	J F M A M J J A S O N D 	Very early		Very early cycle. Medium-sized plant with medium-green foliage. Firm, round onion with medium neck and pale yellow colour.	10,000 precision	Treated	O44292FK
KEEP WELL F1	J F M A M J J A S O N D 	Medium-early		Standard variety in early areas, good skin adhesion, short-term storage possible until the start of the first summer onions, storage life: August. Neck closure: medium fine. Skin firmness: good. Colour: brown-yellow.	10,000 precision	Untreated	H44012NK
SKINER F1	J F M A M J J A S O N D 	Medium-late		Medium-late variety with high yield potential, very vigorous with good root formation.	10,000 precision	Treated	O44277FK

**Red onion - long days (summer onion)**

Varieties	Production calendar	Harvest maturity	Shape	Characteristics	Min Qty	Product type	Item no.
RED TIDE F1	J F M A M J J A S O N D 	PO		Early colouring already in the field, dark red interior colour, high skin quality, good shelf life; maturity group: medium-late, storage life: March. Type: Rijnsburger. Neck closure: medium fine. Skin firmness: good. Colour: dark red.	10,000 precision	Untreated	H44227NK
TROPEA ROSSA LUNGA	J F M A M J J A S O N D 	PO		Speciality with pink flesh, delicious taste, suitable for consuming fresh, maturity group: early, storage life: December. Type: Tropea. Neck closure: fine. Colour: purple.	10 g	Untreated	O44319NS
DESMO F1  (GV 44278)	J F M A M J J A S O N D 	P1		Medium red early type, round, medium onion with medium storage life and thin neck, very vigorous onion for early harvest,	10,000 precision	Treated	O44320FK
RED CARPET F1	J F M A M J J A S O N D 	P1		Large red onion for medium-term storage; as a supplement to Exhibition. Type: American. Neck closure: coarse. Skin firmness: slight. Colour: dark red.	10,000 precision	Untreated	H44226NK
DARKO F1	J F M A M J J A S O N D 	P1		Medium-late American type with rapid red interior colouration. Very stable foliage, pronounced root system and high yield. Type: American. Neck closure: medium fine. Skin firmness: good. Colour: dark red.	10,000 precision	Untreated	H44317NK
REDLANDER F1	J F M A M J J A S O N D 	P2		Mildew-resistant. Round Rijnsburger type, suitable for long-term storage.	10,000 precision	Treated	H44229FK
RED BARON	J F M A M J J A S O N D 	P2		Dark red, round to flat and round onion with good storage life. Best colour and shelf life, late maturing; maturity group: late; shelf life: April. Type: Rijnsburger. Neck closure: medium fine. Skin firmness: good. Colour: dark red.	10,000 precision	Treated	H44026FK

Sowing Harvest



## Red onion - long days (summer onion)

### Harvest maturity in onions

PO0	Very early: from early August
PO	Early: mid-August
P1	Medium-early: end of August
P2	Medium-late: early September
P3	Late: mid-September



## Red onion - short days (winter onion)

FIREKING F1



ROSSA DI FIRENZE, SIMIANE TYPE



DIVINASTAR F1



Varieties	Production calendar	Harvest maturity	Shape	Characteristics	Min Qty	Product type	Item no.
ROSSA DI FIRENZE SIMIANE TYPE	J F M A M J J A S O N D Sowing: M, J, A, S Harvest: J, A, S	—	Very long onion.	Mild, aromatic flesh.	50 g 1,000 g	Treated Untreated	044018FS 044018NS
DIVINASTAR F1	J F M A M J J A S O N D Sowing: M, J, A, S Harvest: J, A, S	Medium-early	Beautiful red winter onion.	Attractive red round onion with good neck closure.	10,000 precision	Treated Untreated	044230FK 044230NK
FIREKING F1	J F M A M J J A S O N D Sowing: M, J, A, S Harvest: J, A, S	Medium-early	Excellent flavour.	Good storage suitability. Very good cold resistance.	10,000 precision	Treated	H44040FK



ROSANNA



KRAVEL



HONEYMOON F1

## Pink onion

Varieties	Production calendar	Harvest maturity	Shape	Characteristics	Min Qty	Product type	Item no.
ROSANNA	J F M A M J J A S O N D	PI/P2	Copper-pink onion with sweet, tender, pink-coloured flesh.	10,000 seeds	Treated	044225FG	
KRAVEL	J F M A M J J A S O N D	PI/P2	Traditional variety from Brittany, excellent quality and taste.	10,000 seeds	Treated	044231FG	

## White onion

Variety	Production calendar	Harvest maturity	Use	Characteristics	Min Qty	Product type	Item no.
HONEYMOON F1	J F M A M J J A S O N D	P1	Bunched, loose, short-term storage	Successor variety to White Wing F1, very nice, round, uniform onion, large; maturity group: medium-early; shelf life: short. Type: Intermediate. Neck closure: fine. Skin firmness: good. Colour: white.	10,000 precision	Treated	H44298FK
						Untreated	H44298NK

## Echalion shallot

*Allium cepa L.*

**Sowing:**  
February to late March

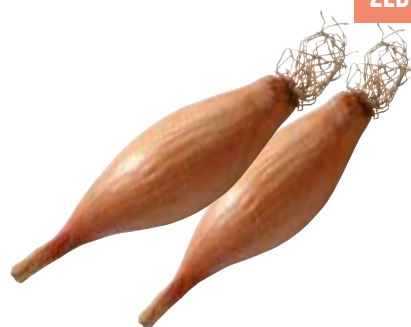
**Sowing quantity:**  
250 seeds/g

**Density:**  
55-80 seeds per linear metre, row spacing: 25-35 cm 1.5-2 million seeds / ha 6-7 kg

**Recommended fertilisation (u/ha):**  
N = 80-120 P = 100-150 K = 150-200



FIGARO



ZEBRUNE



## CULTIVATION ADVICE

## Sowing advice

Depending on the desired calibre, sow 55 to 88 seeds per metre.

Varieties	Characteristics	Min Qty	Product type	Item no.
ZÉBRUNE	Fine neck. Rose-brown onion. Good bolt-resistance. Storage possible in cold storage room. Very high yield. For fresh food and industrial market. Taste between a shallot and an onion.	10,000 precision	Treated	044106FK
FIGARO	Slim onion, very long, rose-brown colour. Good bolt-resistance. Suitable for spring sowing. Good shelf life.	10,000 precision	Treated	044029FK
			Untreated	044029NK

# Shallot

*Allium cepa L. (aggregatum)*

CONSERVOR F1



INNOVATOR F1



## CULTIVATION ADVICE

### Sowing advice

Sow 80 seeds per metre, i.e. 1.8 to 2.5 million seeds/ha. The exact seed density depends on the desired calibre: for a calibre of

- 20-25: sow 2.5 million seeds/ha
- 25-35: sow 2 million seeds/ha
- sow: 35-50 1.8 million seeds/ha.

Varieties	Characteristics	Min Qty	Product type	Item no.
<b>INNOVATOR F1</b>	The first sowing shallot with high resistance to downy mildew! The beautiful elongated shallots with their attractive reddish brown colour mature slightly later than Conservor F1 and are very storable. Resistances: HR: Pb.	10,000 precision	Treated	H44017FK
<b>CONSERVOR F1</b>	Tall and round, typical French shallot, pink to shocking pink-coloured flesh.	10,000 precision	Treated	H44209FK



# Welsh onion - Bunching onion



DARCY F1 (OR 5833)



DAMAST



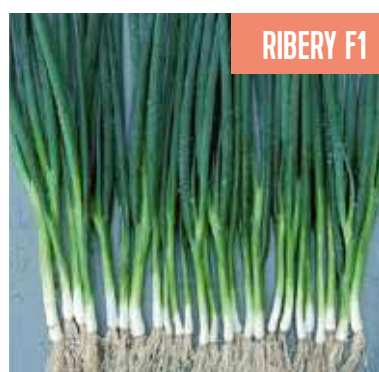
NEW

RODRIGO F1



NEW

MARKSMAN



RIBERY F1



ROBBEN F1



APACHE



DALILA F1

Varieties	Characteristics	Min Qty	Product type	Item no.
<i>Allium fistulosum</i>				
DARCY F1 (OR 5833)	Very uniform Welsh onion, dark blue-green leaves, long shaft, very healthy, can also be used as a substitute for chives (Welsh onion), no bulb formation. Type: <i>Allium fistulosum</i> . sowing: 10-31. Harvest: 23-48. Skin colour: white. Resistances: HR: Pt.	10,000 precision	Treated	H44300FK
		10,000 precision	Untreated	H44300NK
DAMAST	Bunched onion with very dark green, tight, upright foliage and a white shaft, good for bunching. High yield performance due to uniform grading in the medium coarse segment and easy cleanability, compact, growth type for year-round outdoor cultivation. Very good field durability and field health. Not hardy.	10,000 seeds	Untreated	O44290NG
			Treated	O44290FG
NEW MARKSMAN	Quick variety for spring and summer sowing, good bunching performance for a type with bulb formation, very uniform, good to team with Racer, as it is 5/6 days later.	10,000 precision	Untreated	H44350NK
RIBERY F1	Medium-early, very upright, stable and healthy foliage, therefore also suitable for high-density sowing, very good cleanability, without bulb formation. Type: <i>Allium fistulosum</i> . sowing: 14-31. Harvest: 23-40. Skin colour: white.	10,000 precision	Treated	H44304FK
		10,000 precision	Untreated	H44304NK
NEW RODRIGO F1	New hybrid variety for the whole growing period. Very upright and stable foliage. Dark foliage. Good cleanability. Very good uniformity	10,000 precision	Untreated	H44351NK
ROBBEN F1	Medium-early summer variety with upright, stable foliage, good foliage health, also suitable for organic cultivation. Type: <i>Allium fistulosum</i> . sowing: 10-31. Harvest: 24-47. Skin colour: white.	10,000 precision	Treated	H44305FK
		10,000 precision	Untreated	H44305NK
<i>Allium cepa</i>				
APACHE	Very beautiful red solid-coloured onion for summer cultivation; it was developed as a supplement for the market demand for a red bunching onion; can have failures in severe winters; bulb formation: tall and round. Type: <i>Allium cepa</i> . sowing: 8-27. Harvest: 23-48. Skin colour: dark red.	10,000 precision	Treated	H44299FK
		10,000 precision	Untreated	H44299NK
DALILA F1	Winter Welsh onion with very dark green, upright foliage, very hardy; bulb formation: tall and round. Type: <i>Allium cepa</i> . sowing: 33-38. Harvest: 14-27. Skin colour: white.	10,000 precision	Treated	H44059FK
		10,000 precision	Untreated	H44059NK
TIPIKA F1	Universally usable Welsh onion for the whole growing season, very upright dark green foliage and late bulb formation; bulb formation: tall and round. Type: <i>Allium cepa</i> . sowing: 10-39. Harvest: 14-49. Skin colour: white.	10,000 precision	Treated	H44307FK
		10,000 precision	Untreated	H44307NK



Varieties	Characteristics	Min Qty	Product type	Item no.
<i>Allium cepa x fistulosum</i>				
<b>RACER F1</b>	Very fast, uniform Welsh onion with very upright and very dark foliage. Type: Intermediate. sowing: 8-29. Harvest: 23-40. Skin colour: white.	10,000 precision	Treated	H44302FK
		10,000 precision	Untreated	H44302NK
<b>WIN STAR</b>	Allium cepa/fistulosum, very upright, dark foliage; the foliage remains healthy for a very long time; Win Star is suitable for spring and autumn sowing, has a very fast development and regenerates very quickly when the husks are frozen off in the winter. Type: Intermediate type. sowing: 8-34. Harvest: 14-49. Skin colour: white.	10,000 precision	Treated	H44308FK
		10,000 precision	Untreated	H44308NK
<b>GREEN BANNER</b>	Very bolt-resistant, upright, healthy foliage, good uniformity, rapid development, good hardiness is its great advantage over other varieties, without bulb formation. Type: Intermediate. sowing: 32-36, 8-14. Harvest: 14-26. Skin colour: white. Resistances: HR: Foc / IR: Pt.	10,000 precision	Treated	H44301FK
		10,000 precision	Untreated	H44301NK
<b>ELODY</b>	White, bolt-resistant Welsh onion. With sowing in August, white onions can be harvested from April. Also very suitable for the first spring sowings. Standard variety in the bunching onion segment for overwintering, very hardy, for sowing from August to March, bulb formation: tall and round. Type: Bianca di Giugno. sowing: 33-38. Harvest: 19-27. Skin colour: white.	50 g	Treated	H44097FS
<b>MATRIX</b> 🌱	Upright intermediate type with slight onion-like thickening. Very vigorous, with dark, robust foliage. Impresses with its uniformity and bolt-resistance. Standard variety for year-round cultivation; vigorous, with dark, robust foliage, high uniformity. Type: Intermediate. sowing: 32-36, 7-29. Harvest: 23-41. Skin colour: white. Resistances: IR: Foc, Pt.	10,000 seeds	Untreated	O44291NG
			Treated	O44291FG
<b>TONDA MUSONA R KOSMA</b> 🌱	Standard variety for overwintering, with upright dark green foliage and good frost-resistance, bulb formation: tall and round. Type: Allium cepa. sowing: 32-40. Harvest: 16-27. Skin colour: white.	50 g	Treated	O44073FS

# Bulb vegetables

## Seedlings

12

A regularly updated range, with unique performance: size, yield, colouring and storage. Of course, the integration of the latest mould-resistant genetics should not be forgotten.



# Onion Seedlings

*Allium cepa L.*

## Harvest maturity in onions

P00	Very early: from early August
P0	Early: mid-August
P1	Medium-early: end of August
P2	Medium-late: early September
P3	Late: mid-September

## Summer onions for planting

## Winter onions for planting



RED BARON



STURON



PRESTO F1



SILVERMOON

Varieties	Harvest maturity	Characteristics	Min Qty	Product type	Item no.
<b>Summer onion for planting</b>					
RED GOURMET	P1	Firm-skinned variety, long storability in dry, cool storage conditions. Skin colour: bronze. Bulb shape: tall and round.	1 kg	Untreated	-
STURON	P1	Large, round, bolt-resistant onion, firm skin and very long-lasting. Type: Rijnsburger. Skin colour: yellowish-brown. Onion shape: round.	10 kg	Untreated	8031590D
			25 kg	Untreated	803159D
STUTTGARTER RIESEN	P1	Flat, round, yellow onion with long storage life. Type: Stuttgart. Skin colour: yellow. Bulb shape: Flat and round.	10 kg	Untreated	8031600D
			25 kg	Untreated	803160D
RED BARON	P2	No early planting before mid-March. Dark red, round to flat and round onion with good storage life. Best colour and shelf life, late maturing; maturity group: late; shelf life: April. Type: Rijnsburger. Neck closure: medium fine. Skin firmness: good. Colour: dark red.	10 kg	Untreated	8031580D
			25 kg	Untreated	803158D
<b>Winter onion for planting</b>					
PRESTO F1	P1	Early. Type: Winter onion. Skin colour: yellow. Bulb shape: Flat and round.	1 kg	Untreated	-
RED CROSS F1	P1	Early. Type: Winter onion. Skin colour: red.	1 kg	Untreated	-
SILVERMOON	P1	Bunching onion. Type: Winter onion. Skin colour: white.	1 kg	Untreated	-

# Shallot Seedlings

*Allium cepa var. ascalonicum*

Variety	Characteristics	Smallest packet	Product type	Item no.
RED SUN	Round shallot with dark red tunic and pink flesh. Productive variety with excellent taste. Planting from February to April, harvest in July-August. Very suitable for winter storage.	10 kg	Untreated	8031700D



# Garlic

*Allium sativum*

## Seedlings



GARDACHO



GARPEK



MESSIDOR

Varieties	Characteristics	Min Qty	Product type
<b>GARDACHO</b>	Virus-tested selection, for autumn planting in mid - late October, harvest June to July, Plant requirements: 1,000-1,200 kg/ha. Type: Spanish. Skin colour: white. Bulb shape: Flat and round.	1 kg	Untreated
<b>GARDOS</b>	Virus-tested selection for spring planting from the beginning to the end of March. Harvest from the end of June. Type: Spanish. Skin colour: red. Bulb shape: Flat and round.	1 kg	Untreated
<b>GARPEK</b>	Virus-tested selection, for autumn planting in mid - to late October, harvest May to July. Type: Spanish. Skin colour: purple. Bulb shape: Flat and round.	1 kg	Untreated
<b>MESSIDOR</b>	High yields as green garlic and for dry harvest, very healthy; tuber weight up to 90 grams. Type: French. Skin colour: white. Bulb shape: Flat and round.	1 kg	Untreated

# Wild garlic

*Allium ursinum*

## Seedlings



WILD GARLIC

Variety	Characteristics	Smallest packet	Product type
<b>WILD GARLIC</b>	Small onions are pre-cultivated in pots and sold in the spring.	100 units	Untreated



# Product range expansion

From flower meadows to green manure - at VOLTZ Maraîchage you will find all the extensions to the range to meet all your needs.

## 13



HERBS

HERB PLANTS

MICROGREENS

LEGUMES

FRUIT VEGETABLES

CRUCIFEROUS VEGETABLES

LEAF VEGETABLES

ROOT VEGETABLES

SWEET POTATO PLANTS

SWEET CORN

BULB VEGETABLES

BULB VEG. SEEDLINGS

PRODUCT RANGE EXPANSION

# Flower meadows

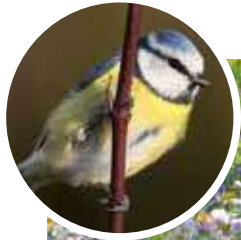


**BEEZ**



## CULTIVATION ADVICE

Promote the introduction and development of beneficial insects with our flower meadows!



**FAUNE AUXILIAIRE**



**FLEURS À COUPER**

Varieties	Requirement	Description	Composition	Min Qty	Product type	Item no.
<b>BEEZ</b> (BEE MIX)	2 a 2.5 g/m <sup>2</sup>	This new selection is specially developed to attract pollinators.	Alyssum - meadowsweet - dill - green anise - basil - common centaury - common tansy - poppy - campion - coriander - viper's bugloss - mallow - annual flax - perennial flax - toadflax - phacelia - reseda (dyer's rocket) - marigold - pennycress - sainfoin - soleil	100 g	Untreated	058628NS
<b>FAUNE AUXILIAIRE</b> (BENEFICIAL INSECTS MIX)	2 a 4 g/m <sup>2</sup>	An excellent mix of tall flowers as crop protection.	Yarrow - elecampane - dill officinal - marvel of Peru (four o'clock flower) - borage - canterbury bellflower - common centaury - knapweed - common tansy - poppy - garden tickseed - lance-leaved coreopsis - cosmos Sensation- sulfur cosmos - foxglove - coneflower - viper's bugloss - Ravenelle wallflower - virginia stock - dame's rocket - honesty - lupin-bladder campion - wild mallow - dianthus - alpine forget-me-not - nepeta - tagetes - carnation - evening primrose - phacelia - reseda - echinacea - sage - tobacco plant - thyme.	100 g	Untreated	058621NS
<b>FLEURS À COUPER</b> (CUT FLOWER MIX)	2 a 2.5 g/m <sup>2</sup>	This mix offers a rich selection of 19 flower species which, due to their colours and heights, are the ideal arrangement for a rustic bouquet. Sowing from April to June and cutting from July to September, height: 60 cm to 1 metre.	Zinnia - marigold - centaury - centaury barbeau - malope - cosmos - lavatera - annual centaury - african marigold - michaelmas daisy - baby's breath...	100 g	Untreated	058623NS

# Tagetes (*Tagetes patula*)

**Sowing:**  
1 June to 15 July

**Germination:**  
To promote germination, the soil should be kept moist for 4-5 days after sowing

**Cultivation period:**  
Minimum 100 days, to achieve the maximum result

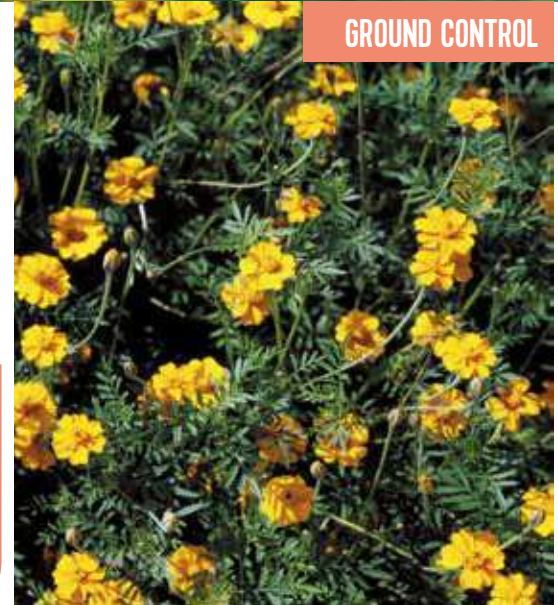
**Sowing density:**  
5 kg/ha, 30 cm between rows



## CULTIVATION ADVICE

### The best biological and natural alternative for combatting nematodes

Tagetes can reduce nematode infestation by over 95%. They are very efficient against *Pratilenchus penetrans*, *Pratilenchus neglectus*, *Pratilenchus crenatus* and *Meloidogyne javanica*, in contrast to other marigold varieties. The nematodes develop more in sandy soils, where this tagetes variety thrives.



GROUND CONTROL

Variety	Characteristics	Min Qty	Product type	Item no.
GROUND CONTROL	Marigolds, a natural method of combatting nematodes, with a minimum success rate of over 95% after more than 3 months' flowering.	250 g	Untreated	058604NS

# Green manure and catch crops

As the name suggests, catch crops and green manures are grown between two main crops. The catch crop cultivation is both ecologically and economically sensible. Catch crops are used as green manure in horticulture.

Benefits of catch crop cultivation:

- Improvement of the soil condition through permanent shading
- Improvement of soil structure by adding humus
- Control of harmful organisms, e.g. nematodes
- Reduction in soil erosion due to soil cover
- Enrichment of soil with nitrogen in legumes
- Less leaching of nutrients, especially with deep rooters

Catch crop mixtures for horticulture, specially developed by us, are all also suitable as greening measures:

### Field Pro MG 01

A special annual summer clover mixture; very neutral for all vegetable growing, less so for lettuces

Seed rate: 12 kg/ha - Package size: 12 kg

Composition: 32% Alexandrine clover + 18% Phacelia + 50% Niger

### Field Pro MG 05



A special annual summer clover mixture as a nitrogen collector; very suitable for cabbage and lettuces

Seed rate: 20 kg/ha - Packaging size: 20 kg

Composition: 30% Alexandrine clover + 7% Phacelia + 43% Common vetch + 20% Persian clover

### Field Pro MG 07

A diverse mix of coarse and fine legumes; for lettuce, root vegetables and cabbage, less so for beans and peas

Seed rate: 24 kg/ha - Packaging size: 24 kg

Composition: 10% Phacelia + 20% Peas + 20% Broad beans + 40% Alexandrine clover + 10% Persian clover

### Field Pro MG 08

Our most colourful blend: 'Flowering Field Border'

Seed rate: 20 kg/ha - Packaging size: 20 kg

Composition: 6% Phacelia + 3% White radish + 15% Peas + 15% Summer vetch + 10% Persian clover + 15% Alexandrine clover + 10% Buckwheat + 3% Linseed + 4% Common bird's foot + 2% Sunflowers + 8% Broad beans + 4% Buttercup + 5% Niger



**Recommended individual seeds for green manure for horticulture:****Alexandrine clover (*Trifolium alexandrinum*)**

The tireless nitrogen collector!

Use: annual - seed rate: 30–35 kg/ha

Alexandrine clover is a very fast-growing summer clover. It needs a lot of warmth and sufficient humidity and can only tolerate a mild frost. In summer, use as a catch crop for green manure or as a feed producer; it also copes well with drought. If used all year round, it usually produces three strong cuts. It should be mown shortly before flowering.

**Radish (*Raphanus sativus*)**

Sowing date: August to mid-September - height of growth: 20–30 cm - Row spacing: 15–20 cm - Seed rate: 18–24 kg/ha - Sowing depth: 1–2 cm - Fertilisation: 120 kg N. Radish is mainly used in catch crop cultivation for green manure.

The fast-growing, harmless catch crop plant covers the soil very quickly and thus optimally suppresses weeds and promotes soil condition. The strong and deep root system of the radish opens up the soil very well. Radish thrives in almost all locations.

**Phacelia (*Phacelia tanacetifolia*)**

The neutral one for everything!

Sowing date: August to mid-September - height of growth: 20–60 cm

Row spacing: 15–20 cm - Seed rate: 10–15 kg/ha - Sowing depth: 1–2 cm -

Fertilisation: 120 kg N. Phacelia is not related to any other cultivated crop. It is therefore best suited as a catch crop before sugar beets, as it behaves neutrally against beet nematodes. Phacelia is fast-growing, relatively undemanding and develops large quantities of green and dry root mass with intensive rooting in a short time. It dies even with mild degrees of frost and is therefore suitable as a winter vegetation cover for optimal erosion protection without the problem of second growth. Phacelia provides fast and dense soil cover and thus suppresses weeds. Phacelia blooms beautifully blue and is highly appreciated by beekeepers as a bee pasture.

**Niger**

A plant in the daisy family that is not related to any other major crop!

Seed rate: 8–10 kg/ha - Packaging size: 10 kg. Niger develops quite quickly and suppresses the weeds really well. Niger is a herbaceous plant that can grow to a height of about 1 metre as a catch crop. Niger is drought-tolerant and can be combined well with other catch crops. Niger hardly lignifies and freezes off safely. Niger leaves a slightly rotting, delicate stem mass, ideal for mulch seeding.

We keep all the common individual seeds from our agricultural range in stock for you: Sorghum, Clover, Crimson clover, Summer vetch, Radish, Mustard seed, Pea-vetch mix, etc. We are also a certified company and are happy to supply you with catch crop seeds and green manure seeds for organic cultivation, but we ask for orders in good time.

Ask our sales force for red clover, alfalfa, white clover, German willow grasses, fodder beet in normal seeds or pilled seeds. We offer you a rich selection from our wide range of field seeds!

## Fastenings for securing covering materials

**Rubber rings**

For bundling root vegetables and herbs!

High-quality goods, made in Germany.

95% transparent crêpe! The high rubber content guarantees the greatest and most reliable elasticity!

Our rubber rings are ideally suited as simple packing rings, for bundling cuttings, vegetable bunches such as carrot, radish, asparagus etc., packed in 1 kg polybags or in the original 10 kg box

**Examples of uses for rubber rings:**

15 x 1.5 mm for smaller herb bunches

20 x 1.5 mm for chives + parsley + dill + rocket

25 x 1.5 mm for slightly larger herb bunches + radish

30 x 1.5 mm for large herb bunches + radish

40 x 1.5 mm for radish + black radish

50 x 1.5 mm for leeks + bunches of soup vegetables

**Wide rubber bands!**

40 x 4 mm for carrots

50 x 3 mm for black radish + leek + bunches of soup vegetables

60 x 6 mm for rhubarb

80 x 8 mm

120 x 8 mm

**Other examples from our range:****Crop cover net - the fine-meshed one! RANTAI type S48**

The additional finer mesh type against pests in the event

that the K type is not effective enough or satisfactory, such as with

- flea beetles - careful side sealing required

- leek leaf miner fly - the increasingly prevalent pest

is reliably kept away by RANTAI S48

- also available as an amateur pack (2.10m x 4.75m and 3.66m x 10m)

100% polybag, mesh approx. 0.8 x 0.8 mm, thread thickness approx. 0.19 mm. With this

combination, there are similar ventilation and light transmission values as with the RANTAI K, so therefore it can also be used as the K type (for cabbage species, black radish etc.), but with improved protection everywhere where RANTAI K is only partially effective, for example with swede midges, weevils, aphids, etc.

Available dimensions:

Width in cm: 183/210/366/410/560/720/860/1010/1080/1260

Lengths in m: 100/125

**Biorette 25 mesh insect net (similar to RANTAI type S48)**

Sizes: 2m x 200m, 3m x 200m, 4m x 200m  
Other sizes on request

### Early crop and frost protection fleece

Fleece type 19 g, the more robust version, production weight 19 g/m<sup>2</sup>, white, thermally strengthened PP fibre fabric, UV-stabilised, for earlier harvesting and yield improvement, protection against cold frosts; available in widths from 1.60 m to 20.10 m

Standard roll lengths 100 m and 250 m, other lengths on request  
40 cm wide textile edge reinforcement from the 5.50 m width up.

Pure grade product due to PP extrusion welding seam.

Width in cm: 160/240/320/400/470/550 only in 17 g quality

In 17 g + 19 g: 640/700/800/850/960/1050/1100/1150/

1200/1275/1300/1345/1515/1600

Widths over 16 m on request!

### Bionov organic mulch foil

Bionov is a biodegradable mulching foil that is produced with Mater-Bi from renewable raw materials and prevents the development of weeds. This foil decomposes completely organically and thus cleanly and easily solves complex waste disposal.

Organic mulching foil 15 my width 1 m/roll length 1,000 m

Organic mulching foil 15 my width 1.40 m/roll length 1,500 m

Organic mulching foil 17 my width 1 m/roll length 1,000 cm

### CONTEX fabric tape

Bubble wrap

Made of polypropylene, approx. 105 g/m<sup>2</sup>, UV-stabilised, black, square markings, water permeable, durable base for container storage areas.

Roll length: 100 m

Widths: 100/125/150/165/210/330/420/525 cm

### CONTEX fabric tape, perforated

Made of polypropylene, approx. 105 g/m<sup>2</sup>, UV-stabilised, black, with cross slot perforation in the middle; hole spacing: 25 x 25 cm, or special perforation

Width: 165 cm, roll length: 100 m

### Bubble wrap

Transparent, UV-stabilised, bubble height 8 mm, bubble diameter 30 mm, both sides covered in foil, foil strength 150 my; roll length: 50 m

Widths: 1.50 cm / 2 m / 2.40 m / 3 m

### Pigeon protection nets

This extruded net, where the meshes cannot be moved, is a very effective and environmentally friendly protection against bird feeding and wild animal browsing damage. Practitioners also report good protection against hailstorms. Mesh size: approx. 7 mm, weight: approx. 18 g/m<sup>2</sup>. Quality: UV-stabilised! Colour: black

Standard dimensions (width x length):

4 m x 100 m 12 m x 125 m

8 m x 125 m 14 m x 125 m

10 m x 125 m 16 m x 125 m

Special widths up to 22 m are possible on request!

## Sowing machines for horticulture

### SINGLE-GRAIN SEED DRILL AHS 120/220

The handy pneumatic single grain seeder!

- with battery-powered suction/pressure blower
- meets the high requirements of modern professional vegetable cultivation
- is easy to use and specially designed for naked or pilled vegetable seeds up to a calibre of approx. 3.5 mm
- Weight 13.1 kg



### SEMBDNER SMALL SEEDER K1

Makes work easier!

- always at hand
- easy to use
- tried and tested for years

This single-row small seeder with an adjustable handle holder

and two seed shafts A and B for different seed sizes

and sowing quantity/density is ideally suited for fast sowing in the greenhouse or early bed.



## Accessories

### Tonkin stakes

- In different lengths and thicknesses
- hold your plants firm and straight

### Carnation rings

- in different sizes
- for attaching your plants to the stake

### String - organic string

- for tomatoes, cucumbers, sweet peppers and eggplants
- makes attaching your plants easier on tension wire
- 8 m long string
- 5 kg = 3,150m

### Clips

- for tomatoes, cucumbers, sweet peppers and eggplants
- support the plants on the string
- diameter 22 mm

### Planters, pots, water pallets available in a wide range

### Hemp mats

- for the production of microgreens 11.3cm x 7.5 cm



# Plant labels & picture frames

## Promote your sales with colourful plant labels!

- Improve your product presentation!
- Ramp up and facilitate your customer advice!
- Present yourself and your company as a high-quality specialist company!

Physalis Schönbrunner Gold  
 Eggplant Kaberi F1  
 Eggplant Moneymaker F1  
 Eggplant Moretta F1  
 Eggplant Purpita F1  
 Batavia green  
 Batavia red  
 Summer savory  
 Oakleaf lettuce green  
 Oakleaf lettuce red  
 Iceberg lettuce  
 Endives  
 Peanut (Arachis hypogaea)  
 Cucumber Bettanis F1  
 Cucumber Corinto F1  
 Cucumber Darina F1  
 Cucumber Diamond F1  
 Cucumber Iznik F1  
 Cucumber Khassib F1  
 Cucumber Marketer  
 Cucumber Maxwell F1  
 Cucumber Lunchbox F1  
 Cucumber Lunchbox F1 refined  
 Cucumber Quarto F1  
 Cucumber Rocky F1  
 Cucumber Sonja  
 Cucumber Vigorex F1  
 Cucumber Vigorex F1 refined  
 Kohlrabi Avaja F1  
 Butter lettuce Green  
 Butter Lettuce Red  
 Squash Aspen  
 Squash Early Butternut  
 Squash Large Yellow Hundredweight  
 Squash Hokkaido  
 Squash Indian Mix  
 Squash Muscat de Provence  
 Squash Orange Summer F1  
 Squash Butternut Victory F1  
 Melons (water, mini, nearly seedless)  
 Melon Bari F1  
 Melon Top Gun F1  
 Sweet Pepper Snacking red F1  
 Sweet Pepper Campari F1  
 Sweet Pepper Century F1  
 Sweet Pepper Charlotte F1  
 Cayenne Pepper F1  
 Sweet Pepper Dolmy F1  
 Sweet Pepper Evita F1  
 Sweet Pepper Bell Pepper  
 Sweet Pepper Habanero Yellow  
 Chilli Pepper Habanero Red

Sweet Pepper Ilny F1  
 Sweet Pepper Jackpot F1  
 Pepper Jalapeño  
 Sweet Pepper Snacking orange F1  
 Sweet Pepper Mavras F1  
 Sweet Pepper Neusiedler Ideal  
 Sweet Pepper Olly F1  
 Sweet Pepper Palladio F1  
 Sweet Pepper Paripa F1  
 Sweet Pepper Pirouet F1  
 Sweet Pepper Pusztgold  
 Sweet Pepper Quadrus F1  
 Sweet Pepper Sahem F1  
 Sweet Pepper Tequila F1  
 Sweet Pepper Snacking yellow F1  
 Sweet Pepper Yecla F1  
 Chilli Pepper Basket of Fire  
 Chilli Pepper Cayenetta  
 Chilli Pepper AS  
 Chilli Pepper Hot Chocolate  
 Chilli Pepper Mild Spiral  
 Chilli Pepper Naga Morich  
 Chilli Pepper Peter Red Pepper  
 Chilli Pepper Picasso F1  
 Chilli Pepper Thai Chilli  
 Leaf Lettuce Lollo Grenn  
 Smooth leaf endive (Radicchio)  
 Romana (Romaine) green  
 Red cabbage  
 Rocket  
 Salanova green  
 Salanova red  
 Edamame  
 Tomato Appleberry Red F1  
 Tomato Appleberry Yellow F1  
 Tomato Arawak F1  
 Tomato Bambello Orange F1  
 Tomato Bauna F1  
 Tomato Bernese Rose  
 Tomato Bolzano F1  
 Tomato Bombonera F1  
 Tomato Campari F1  
 Tomato Carmello F1  
 Tomato Choney F1  
 Tomato Cindel F1  
 Tomato Cookie F1  
 Tomato Cristal F1  
 Tomato Dunne F1  
 Tomato Edioso F1  
 Tomato Fleurette F1  
 Tomato Fuji Pink F1  
 Tomato Funtelle F1

## Further information on request from your representative

Tomato Giano F1  
 Tomato Izmir F1  
 Tomato Kremser Pearl  
 Tomato Limoncito F1  
 Tomato Luana F1  
 Tomato Onuba F1  
 Tomato OR Corno  
 Tomato Oskar F1  
 Tomato Pannovy F1  
 Tomato Patio Black  
 Tomato Patio Red  
 Tomato Patio Yellow  
 Tomato Pepe F1  
 Tomato Phantasia F1  
 Tomato Philovita F1  
 Tomato Piccadilly F1  
 Tomato Rico Fiorentino  
 Tomato Roney F1  
 Tomato Rugantino F1  
 Tomato Sacher F1  
 Tomato Seviocard F1  
 Tomato Skate F1  
 Tomato Sparta F1  
 Tomato Star Gold F1  
 Tomato Sungold F1  
 Tomato Supersweet 100 F1  
 Tomato Supersweet 100 F1 refined  
 Tomato Sweet Million F1  
 Tomato Tiger F1  
 Tomato US 1503 F1 (Tomamini Red)  
 Tomato Trilly F1  
 Tomato Umamini F1  
 Tomato Kajsa Sweet F1 (US 1509)  
 Tomato Yoney F1  
 Watermelon F1  
 White cabbage  
 Zucchini Black Forrest F1  
 Zucchini Caprice F1  
 Zucchini Diamond  
 Zucchini EasyPick Gold II F1  
 Zucchini EasyPick Green F1  
 Zucchini Gold Rush  
 Zucchini Golden Glory F1  
 Zucchini Patio Star F1  
 Zucchini Rhodos F1  
 Zucchini Satellite F1  
 Zucchini Summer Bl F1  
 Zucchini Sunburst F1  
 Zucchini Sunstripe F1  
 Basil green  
 Basil Pesto Perpeto  
 Basil Piccolino

Basil red  
 Basil Thai  
 Red sorrel  
 Savory annual  
 Borage  
 Dill  
 Tarragon  
 Chervil  
 Coriander  
 Lovage  
 Marjoram  
 Marjoram longer lasting  
 Parsley smooth  
 Parsley curly  
 Peppermint green  
 Burnet  
 Sage  
 Chives  
 Chives/Garlic  
 Sweetleaf Stevia  
 Thyme  
 Hyssop  
 Lemon basil  
 Lemon balm



# Resistances

Abbreviation	Pathogen	English name	Scientific name	Species affected
Eel	Fungus	Alternaria leaf spot disease	Alternaria alternata f. sp. lycopersici	Solanum lyc.
Ad	Fungus	Alternaria leaf spot disease	Alternaria dauci	Daucus
Ag	Aphid	Green cucumber aphid (VAT gene)	Aphis gossypii	Cucumis melo L.
BCMV	Virus	Bean common mosaic virus	Bean common mosaic virus	Haricot bean
BI 16-37EU	Fungus	Downy mildew	Bremia lactucae	Lactuca sativa
BLRV	Virus	Pea leaf roll virus	Pea leaf roll virus	Pea
Cc	Fungus	Cercospora leaf spot	Cercospora carotae	Carrot
Cca	Fungus	Leaf blight	Corynespora cassiicola	Cucumis sativus
Ccu	Fungus	Cucumber scab	Cladosporium cucumerinum	Cucumis sativus
Cg	Fungus	Anthracois	Colletotrichum graminicola	Zea mays
CGMMV	Virus	Cucumber Green Mottle Mosaic Virus	Cucumber green mottle mosaic virus	Cucumis melo L., Cucumis sativus
Cl	Fungus	Anthracois	Colletotrichum lindemuthianum	Haricot bean
CMV	Virus	Cucumber Mosaic Virus	Cucumber mosaic virus	Cucumis sativus, Cucurbita pepo, Cucumis sativus, Capsicum annuum, Cucumis melo L.
Co	Fungus	Anthracois	Colletotrichum orbiculare (ex lagenarium)	Cucumis sativus
CVYV	Virus	Cucumber Vein Yellowing Virus	Cucumber Vein Yellowing Virus	Cucumis sativus
CYSDV	Virus	Cucurbit yellow stunting disorder virus	Cucurbit yellow stunting disorder virus	Cucumber, melon
Ep	Fungus	Powdery mildew	Erysiphe pisis	Peas
Foc	Fungus	Fusarium	Fusarium oxysporum f. sp. Conglutinans	Brassica
Fol 1, 4	Fungus	Fusarium wilt (F1)	Fusarium oxysporum f. sp. Latucae	Lactuca sativa
Fol 0,1,2 FO(US1), F1(US2), F2(US3)	Fungus	Fusarium wilt (FO, 1, 2, 1.2)	Fusarium oxysporum, f. sp. lycopersici	Solanum lyc.
Fom 0, 1, 2, 1.2	Fungus	Fusariosis (FO, 1, 2, 1.2)	Fusarium oxysporum f. sp. melonis	Cucumis melo L.
Fom	Fungus	Fusarium wilt	Fusarium oxysporum f. sp. melongenae	Solanum melongena
Fop	Fungus	Fusarium wilt	Fusarium oxysporum f. sp. Pisi	Peas
For	Fungus	Fusarium wilt (FORL)	Fusarium oxysporum, F. sp. radidis lycopersici	Solanum lyc.
Gc	Fungus	Powdery mildew	Golovinomyces cichoracearum variety 1	Cucumis melo L.
LMV	Virus	Lettuce mosaic virus	Lettuce mosaic virus	Lactuca sativa
Ma, Mi, Mj	Nematode	Nematodes	Meloidogine incognita (Mi), M. arenaria (Ma) & M. javanica (Mj)	Solanum lyc.
MDMV	Virus	Maize Dwarf Mosaic Virus	Maize Dwarf Mosaic Virus	Zea mays
MNSV	Virus	Melon leaf spot virus	Melon necrotic spot virus	Melon
Nr(0)	Aphid	Lettuce aphid	Nasonovia (ribisnigri), variety O	Lactuca sativa
NCLB et SCLB	Fungus	Northern leaf blight	Helminthosporium turcicum	Zea mays
On	Fungus	Powdery mildew	Oidium neolyopersici	Solanum lyc.
Pb	Aphid	Lettuce root aphid	Pemphigus bursarius	Lactuca sativa
Pbb	Fungus	Downy mildew	Peronopsora Belbahrii	Basil
Pcu	Fungus	Downy mildew	Pseudoperonospora cubensis	Cucumis sativus
Pe 1 - 17	Fungus	Downy mildew	Peronospora farinosa f. sp. spinaciae	Spinach (spinaca oleracea)
Pf A-E	Fungus	Tomato leaf mould	Passalora fulva (ex Cladosporium fulvum)	Solanum lyc.
Pi	Fungus	Herb and fruit blight	Phytophthora infestans	Solanum lyc.
PI	Fungus	Corky root	Pyrenochaeta lycopersici	Solanum lyc.
PMMoV	Virus	Pepper mild mottle virus	Pepper mild mottle virus	Sweet pepper
Pp	Fungus	Downy mildew	Plasmopara petroselini	Parsley
PRSV	Virus	Papaya Ringspot Virus	Papaya ringspot virus	Cucumis sativus
Psr	Bacterium	Late wilt	Pantoea stewartii	Zea mays
Pst	Bacterium	Bacterial speck	Pseudomonas syringae pv tomato	Solanum lyc.
PVY	Virus	Potato Y Virus (0,1,1-2)	Potato Y virus	Capsicum annuum

Abbreviation	Pathogen	English name	Scientific name	Species affected
Ps	Fungus	Corn rust	Puccinia sorghi	Zea mays
Pss	Bacterium	Halo blight	Pseudomonas syringae pv syringae	Pea
Psp	Bacterium	Halo blight	Pseudomonas savastanoi phaseolicola	Haricot bean
Px 1, 2, 3, 5, 3.5	Fungus	Powdery mildew	Podosphaera xanthii	Cucumis melo L.
Px	Fungus	Powdery mildew	Podosphaera xanthii	Cucumis sativus, Cucurbita pepo
Sp	Fungus	Septoria	Septoria petroselini	Parsley
Ss	Fungus	Stemphylium leaf spot disease	Stemphylium solani	Solanum lyc.
TBSV	Virus	Tomato bushy stunt virus	Tomato Bushy Stunt Virus	Lactuca sativa
TeV	Virus	Tobacco etch virus	Tobacco etch virus	Sweet pepper
Tm 0/0, 1/0-2/ 0-3	Virus	Tobacco mosaic virus	Tobacco mosaic virus (ToMV, TMV, PMMoV, TMGMV, PaMMV)	Capsicum annuum
TMV	Virus	Tobacco mosaic virus	Tobacco mosaic virus	Sweet pepper, tomato
ToMV 0, 1, 2	Virus	Tomato mosaic virus	Tomato mosaic virus	Solanum lyc.
TSWV	Virus	Tomato Spotted Wilt Virus	Tomato spotted wilt virus	Solanum lyc., Capsicum annuum, Solanum melongena
TYLCV	Virus	Tomato Yellow Leaf Curl Virus	Tomato yellow leaf curl virus	Solanum lyc.
Ua	Fungus	Bean rust	Uromyces appendiculatus	Haricot bean
Va(0), Vd(0)	Fungus	Verticillium wilt	Verticillium dahliae (Vd), Albo-Atrum (Va)	Solanum lyc., Solanum melongena
WMV	Virus	Watermelon Mosaic Virus	Watermelon mosaic virus	Cucurbita pepo
Xap	Bacterium	Bacterial halo blight	Xanthomonas axonopodis phaseoli	Haricot bean
Xcv	Bacterium	Bacterial leaf spot disease	Xanthomonas campestris pv. vesicatoria	Tomato, sweet pepper
ZYMV	Virus	Zucchini Yellow Mosaic Virus	Zucchini yellow mosaic virus	Cucurbita pepo, Cucumis sativus

## General information

This catalogue is intended for vegetable growers. Please note our general terms and conditions of sale for all our items.

Our advice, suggestions and vegetation cycles serve only as general information; they are the results of our observations and can under no circumstances constitute contractual obligations or harvest guarantees.

Any reproduction, in whole or in part, in any way (print, photocopy, microfilm or other) is strictly prohibited without the prior written consent of the publisher.

Illustrations of our products: All varieties shown in this catalogue have been photographed under different conditions and do not guarantee identical results under the same conditions.

### No genetically modified seeds

In accordance with the current legal regulations, the varieties sold by Voltz originate from high-tech breeding techniques, whereby the integrity of the plant is taken into consideration without any changes at cell level. We do not sell any genetically modified (GM) varieties.

Definition of terms describing the reaction of plants to pests and abiotic stresses.

The FAO defines a pest as: any species, variety or biotype of plant, animal or pathogen harmful to plants or plant products. For this reason, the term 'pest' also applies to pathogens (microorganisms such as bacteria, viruses and fungi that can cause disease).

- ✓ The relationship between a plant and a pest is very complex. The terms describing the reaction of a variety are determined by tests carried out under controlled environmental conditions. Known biotypes, pathotypes, varieties or strains are characterised and determined for the pests in question.
- ✓ It is known that, for all newly developed varieties, biotypes, pathotypes, varieties or strains of a pest, plant parts are infected that were not affected by the original form of the pest.

In order to ensure consistency in the terms used to describe the reaction of a plant to a pest, the ISF has defined the following terms in the following section:  
Description of the reaction of plants to pests and pathogens  
Susceptibility is the inability of a plant variety to limit the growth or development of a particular pest or pathogen.

Resistance is the ability of a plant variety to limit the growth and development of the pest or pathogen concerned and/or the damage caused by it compared to susceptible plant varieties under comparable environmental conditions and comparable pest and pathogen pressure.

In resistant varieties, high pest and pathogen pressure can cause disease symptoms or damage to a certain extent.

Two degrees of resistance are defined:

**High/Standard Resistance (HR):** Plant varieties that greatly limit the growth and development of the pest or pathogen in question under normal pest or pathogen pressure compared to susceptible varieties. However, these plant varieties may display symptoms of infestation or damage to a certain extent under high pest or pathogen pressure.

**Medium/Intermediate Resistance (IR):** Plant varieties that limit the growth and development of the pest or pathogen in question but may show more symptoms or damage than resistant varieties. Moderately/intermediately resistant varieties will still show less serious symptoms or damage than susceptible plants grown under comparable environmental conditions and/or pest or pathogen pressure.

Unless otherwise described, the resistance of our plants is represented by codes. If a variety is resistant to several pathogens, the individual resistance codes are separated by the symbol '/' or ''.

If a resistance code of a particular variety refers to certain strains to which that variety is supposed to be resistant, it does not claim resistance to other strains of the same pathogen.

If a resistance code does not refer to strains of the pathogen against which resistance supposedly exists, it should be resistant only to certain strains of that pathogen not specified further. This does not guarantee that this variety will not be infected by this pathogen.

(1) ISF: International Seed Federation. The newly listed abbreviations are from the document: Code for resistance harmonisation, created by the EUROPEAN SEED ASSOCIATION, last updated in February 2022.

(2) The regulations for the administration of the availability of seed for organic farming are laid down in Commission Regulation (EC) No. 889/2008 of 5th September 2008, as amended in Articles 45 and 48 to 56. The Ministry of Agriculture is examining these various issues in greater detail (available at [www.semences-biologiques.org](http://www.semences-biologiques.org)).



# Sowing recommendations

Types	Number of seeds per gram	Seed requirements per hectare				Average distance between plants		Number of plants per hectare (approx.)
		Direct sowing		Sowing in the nursery and transplanting		Between the rows x per row in cm		
		Normal seed	Precision or pilled seed	Normal seed	Number of plants obtained from 1g of seed			
BEAN	2-6	50-120 kg	-	-	-	50-70 x 5-7	250,000-300,000 75,000 tufts with 3 plants	
BLACK RADISH	80-120	2.5-5 kg	250,000-500,000	-	-	30-40 x 5-10	200,000-450,000	
BRASSICA (BRUSSELS SPROUTS)	350	-	-	220-320 g	110-120	60-70 x 50-60	25,000-35,000	
BRASSICA (CAULIFLOWER AND BROCCOLI)	150-250	-	-	180-250 g	90-100	70-90 x 50-90	10,000-25,000	
BRASSICA (CHINESE CABBAGE) (PE-TSAI)	350	5 kg	-	600-900 g	120-150	40-50 x 25-35		
BRASSICA (KOHLRABI)	250	-	-	-	100	25-30 x 25-30		
BRASSICA (SAVOY CABBAGE)	300	-	-	200-350 g	120-130	50-65 x 50-60	25,000-40,000	
BRASSICA (WHITE AND RED CABBAGE)	300	-	-	200-400 g	120-130	40-65 x 40-60	25,000-50,000	
BROAD BEAN	0.5	450-500 kg	-	-	-	40-50 x 15-20 or 50 x 25-30	100,000-300,000	
CARDON	25	1.5-2 kg	-	-	-	110-130 x 70-90	8,000-12,000 tufts with 2 plants	
CARROT	500-1,000	2-2.5 kg	1.2-2.2 million	-	-	20-50 x 1.2-2 (wide row)	1,100,000-1,600,000	
CELERY	2,500	-	-	120-150 g	1,000-1,200	30-40 x 25-30	90,000-120,000	
CELERY (CELERIAC)	2,800	-	-	60-80 g	1,000-1,200	50-60 x 40-50	40,000-50,000	
CHERVIL	400-500	40-50 kg	-	-	-	20-30 x 1.5 (wide row)		
CHICORY	600-700	0.8-1.2 kg	300,000-400,000	-	-	35-45 x 7-10 or 65-70 x 7-10 (2 twin rows of 10 cm)	200,000-250,000	
CHIVES	300	20 kg	-	-	-			
CORN SALAD LARGE SEEDS	300-500		5-6 million	-	-	8-15 x 1.5-2 (in rows) 15-20 x 1.5-2 (wide row)	4-5 million	
CORN SALAD SMALL SEEDS	700-1,000	10-12 kg	5-6 million	-	-	idem	4-5 million	
CUCUMBER (PICKLING CUCUMBER)	45	0.5-0.8 kg	-	500-800 g	30-40	150-180 x 30-60	15,000-20,000	
CUCUMBER IN THE GLASSHOUSE	35	-	-	10,000-18,000 seeds	25-30	120-150 x 60-70	10,000-14,000	
CUCUMBER OUTDOORS	35	600-700 g	-	450-500 g	25-30	130-150 x 50-60	13,000-16,000	
CRESS (SMALL-LEAVED)	500	600-800 kg	-	-	-			
DANDELION	900-1,700	2-2.5 kg	-	-	-	35-40 x 10		
EGGPLANTS	220-250	-	-	200-220 g	100-120	75-110 x 50-60	16,000-22,000	
ENDIVE (CURLY)	500-600	1-1.2 kg	80,000-150,000	350-400 g	200-250	30-60 x 35	50,000-120,000	
ENDIVE (SMOOTH-LEAVED)	500-600	1-1.2 kg	80,000-150,000	350-400 g	200-250	30-60 x 35	50,000-80,000	
FENNEL	200	-	-	-	150-180	35-50 x 15-25	90,000-150,000	
LEEK	350-400	-	-	1.2-1.5 kg or 250,000-320,000	140-160	60-70 x 8-11 (sowing + pricking out)	150,000-250,000	
		1.5-2.5 kg	400,000-500,000	Precision		60-70 x 6-7 (direct sowing)		
		2.5-3 kg	600,000-750,000			30-35 x 6-8		
LETTUCE (OUTDOOR CROP)	800-1,000		100,000-130,000	-	500-600	30-35 x 30	90,000-120,000	
LETTUCE (PROTECTED CULTIVATION)	800-1,000	-	150,000-170,000	-	500-600	25-30 x 25	140,000-160,000	
LONG TURNIPS	400-600	1.5 kg	700,000-800,000	-	-	15-35 x 5-10	500,000-800,000	
MELONS	30-35	-	9,000-15,000	500-600 g	25-30	150-200 x 40-70	8,000-20,000	
ONION (COLOURFUL)	250	4-5 kg	1-1.4 million	-	-	30-40 x 3-4	650,000-750,000	
ONION (WHITE)	250	6-7 kg	-	-	140-160	25-35 x 3-5	1,000,000-1,300,000	
PARSLEY	600-700	3-5 kg	-	-	-	25-35 x 3-5	500,000-1,200,000	
PARSLEY ROOT	850	1-1. kg	750,000-850,000	-	-	30-40 x 3-3.5	650,000-750,000	
PARSNIP	220	1.5-3 kg	300,000-450,000	-	-			
PEAS	3-6	120-180 kg	350,000-600,000	-	-	50-70 x 2-3	-	
RADICCHIO - SUGARLOAF CHICORY	550-700	1.2-1.5kg (in rows)	-	-	-	25-30 x 15-20	180,000-250,000	
RADISH (GLASSHOUSE)	80-120	30-40 kg	4-4.5 million	-	-	7 x 28 to 32 seeds/metre or 15 x 50 to 60 seeds/metre	3.5 million	
RADISH (OUTDOORS)	80-120	40-60 kg	5-6 million	-	-	7 x 35 to 40 seeds/metre or 15 x 60 to 70 seeds/metre	4.5 million	
RED BEET	50-70	6-8 kg	400,000-600,000	-	-	35-50 x 4-6	500,000-720,000	
SALSIFY	75-90	8-10 kg	-	-	-	25-30 x 8-10	500,000-600,000	
SORREL	450	3-3.5 kg	-	1-1.2 kg	300	25-30 x 10-15	250,000-300,000	
SPINACH	100	6-9 kg	600,000-1,000,000	-	-	20-40 x 6-10	300,000-500,000	
SQUASH (PUMPKIN)	4-8	3.5-5 kg	-	2.5-3 kg	3-4	180-200 x 60-70	7,000-9,000	
SWEET CORN	5-10	-	50,000-60,000	-	-	70-100 x 20-25	50,000-70,000	
SWEET PEPPERS - CHILLI	120-150	-	-	250-300 g	100-110	120-200 x 40-50	20,000-25,000	
SWISS CHARD	60-90	2-2.5 kg	50,000-70,000	2-2.5 kg	20-25	60-70 x 30-35	40,000-50,000	
TOMATO (OUTDOOR CROP)	250-300	-	-	-	180-200	100-150 x 50-70	12,000-25,000	
TOMATO (GLASSHOUSE)	250-300	-	-	-	180-200	80-100 x 30-60	20,000-25,000	
WATERMELON	20-30	0.6-1.4 kg	-	350-750 g	7,500-15,000	150-200 x 60-80	6,000-12,000	
ZUCCHINI	5-8	3.5-5 kg	-	2.5-3.5 kg	5-6	120-150 x 40-60	10,000-20,000	



## GENERAL TERMS AND CONDITIONS

### 1. General

- (1) Legal transactions are carried out exclusively by GRAINES VOLTZ DEUTSCHLAND (hereinafter the 'Vendor') based on the following terms and conditions (hereinafter 'conditions'). Section 305b of the BGB (German Civil Code) remain unaffected.
- (2) The General Terms and Conditions apply to all offers, contracts, deliveries and services insofar as they apply to all legal transactions connected with them. Offers made by the Vendor are subject to change with regard to services, quantity and ancillary services.
- (3) The General Terms and Conditions shall be accepted by the Purchaser (hereinafter also referred to as the 'Customer') when ordering and shall apply for the entire duration of the business relationship.
- (4) The contractual partner shall be notified of changes to the General Terms and Conditions in an ongoing business relationship in text form, and they shall be deemed to have been approved if the contractual partner does not object in text form within six weeks of notification.
- (5) Terms and conditions of the Customer deviating from the GTC and other agreements such as guarantees, modifications and ancillary agreements shall only be effective if the Vendor expressly agrees to these terms and conditions or agreements in text form. Counter-confirmation by the Customer with reference to his/her terms and conditions of business and purchase are hereby rejected.

### 2. Prices

- (1) Should the cost of production and international exchange rates change and become more expensive after the order has been placed and up until the day of delivery, the Vendor reserves the right to pass on these increased costs to the Customer.
- (2) Prices are always net prices and are understood to be excluding the statutory amount of the rate of VAT applicable at the time and excluding packaging and transportation and freight costs as well as licences, variety or seasonal surcharges and other costs. The prices are valid ex works Regensburg.

Any separate discount agreement shall not apply to freight, postage, insurance or shipping costs.

- (1) The agreed prices per quantity and item are only valid for the respective order.
- (2) The minimum order value per order is EUR 5.00 net. If a small order quantity falls below this amount, the purchase price will be EUR 5.00 net irrespective of the low order quantity.
- (3) Each order requires the express written acceptance by the Vendor (order confirmation).

### 3. Withdrawal (cancellation of orders)

Cancellation of the purchase contract shall only be possible if the legal requirements are met. In the case of a sales contract for cuttings and seedlings, the Purchaser shall be entitled, by way of derogation, to withdraw from the sales contract by paying lump sum compensation under the following conditions:

- Cancellation Lump sum compensation
  - up to 42 calendar days prior to the agreed delivery date 50% of net purchase price
  - between 14 and 41 calendar days before the agreed delivery date 60% of net purchase price
  - fewer than 14 calendar days before the agreed delivery date 75% of net purchase price

The cancellation must be made in writing, § 126b of the BGB shall not apply. All dates and deadlines shall be determined by the date the Vendor receives notification of the cancellation. The Purchaser shall be entitled to prove that the Vendor has suffered less damage than the agreed compensation lump sum. The lump sum compensation is due for payment immediately upon receipt of the declaration of withdrawal.

### 4. Delivery and delivery dates

- (1) The specification of delivery deadlines and delivery dates is non-binding, unless they have been expressly agreed as binding.
- (2) The Purchaser must inform the Vendor in writing (§§ 126, 126b BGB) at the latest five working days (Monday to Friday) before the delivery date, unsolicited, to which place the delivery is to take place ("shipping instructions"). If the shipping instructions are not received in time by the Vendor, the Vendor may withdraw from the contract and demand compensation instead of performance if he/she has set the Buyer a grace period of at least three working days and has not received shipping instructions within this grace period.
- (3) In the event of an agreement on an approximate delivery quantity, a deviation of the delivery quantity of up to 5% of the quantity specified in the contract shall be in accordance with the contract. The purchase price shall be calculated according to the quantity actually delivered.
- (4) Deliveries shall be made on the basis of quality and availability. They may be carried out as a whole or in parts. The Purchaser shall be obliged to accept partial performances, unless this is unreasonable for him/her in individual cases and he/she can prove this.
- (5) If the Vendor fails to deliver on time, the Purchaser shall set him/her a grace period of at least three working days for performance. If the Vendor does not deliver within this grace period or does not deliver in accordance with the contract, the Purchaser may withdraw from the contract.
- (6) If the Vendor has only performed part of the service despite a reasonable deadline for subsequent performance being set, the Purchaser may only withdraw from the entire contract and demand compensation in lieu of performance if he/she has objectively no interest in the partial performance and proves this.

- (7) The Purchaser may not withdraw from the contract and demand compensation in lieu of performance if the Vendor has delivered up to 5% too little of the quantity of an item mentioned in the contract; in this respect, a possible breach of duty by the Vendor is irrelevant. In the case of an approximate delivery in accordance with Section 4.3, Clause 1 shall apply if the Vendor has delivered up to 10% too little of the quantity specified in the contract.

- (8) In the case of sales contingent upon the possibility of delivery, the Vendor shall assume no procurement risk. There is no obligation on the part of the Vendor to deliver if it is impossible for the Vendor to deliver the goods for legal or factual reasons. This is the case in particular if:
  - the supplier with whom the vendor has concluded a legal transaction in order to fulfil its delivery obligation to the purchaser, does not fulfil its obligation to supply the goods promptly at the contractually agreed date;
  - the appropriate authorising authorities fail to authorise the delivery;
  - delivery is expressly agreed from the vendor's own propagated stock and these goods are depleted.In the given situation(s), the vendor has no claim for compensation.

### 5. Special delivery conditions for protected and patented varieties

The cuttings and seedlings supplied may only be used for floriculture and not for any other purposes. Further propagation (even for own requirements) shall only be permitted with special permission of the respective plant variety protection or patent holder. In the event that mutations (sports) are discovered in the cultivation of protected or patented varieties, the grower shall be obliged to inform the plant variety protection or patent holder or the licensee thereof. The grower must inspect and check the mutation himself/herself or through authorised third parties on the grower's premises, as well as request cuttings of this mutation (sport) on request. If the grower wishes to sell the right to the mutation variety discovered by him/her or to license the mutation variety, the case of origin is subject to a right of first refusal or, in the case of licensing, an option right.

### 6. Shipping / Crop boxes

- (1) Unless otherwise agreed, the Vendor shall determine the manner in which goods are shipped.
- (2) The risk shall pass to the Purchaser as soon as the consignment has been handed over to the person carrying out the transport or has left the Vendor's warehouse for dispatch.
- (3) Deliveries shall only be insured against transport damage, including frost damage and delays in transport, at the express request of the Purchaser and at his/her expense. Damage in transit must be determined immediately and certified by the carrier.
- (4) Orders shall be delivered at the discretion of the Vendor in the packaging available at the time of delivery. In the case of orders with agreed packaging made to measure, a surcharge must be paid by the Purchaser for the additional costs of the customised packaging.
- (5) The crop and transport trays in which seedlings are delivered are and shall remain the property of the Vendor at all times. They may not be used by the Purchaser or by third parties without the prior written consent of the Vendor. The Customer must store the boxes in a clean place, safe for the Vendor and free of charge, and keep them available for collection by the Vendor, who shall arrange the return. In the event of damage or loss, the Purchaser shall be liable for flat-rate compensation of € 5.00 net per crop and transport tray.

### 7. Treatment of seeds

- (1) Seeds which are normally dressed or otherwise treated shall be supplied dressed or otherwise treated, unless otherwise agreed.
- (2) If the Purchaser wishes to invoke a defect in the delivered goods after - the first or subsequent - dressing or treatment carried out by him/her or on his/her behalf, he/she must prove by means of suitable evidence that the defect had already existed before the - first or subsequent - dressing or treatment carried out by him/her or the third party.

### 8. Payment/Default on a payment

- (1) The place of performance for payments is the registered office of the Vendor.
- (2) Unless otherwise agreed, the invoices are due for payment immediately without any deduction. Default occurs if payment is not made within 30 days of the due date and receipt

of the invoice by the Purchaser.

- (3) If §§ 288 para. 1 BGB and § 288 para. 5 BGB shall apply, the right to assert a higher claim for compensation caused by the default remains reserved.
- (4) Purchasers who do not comply with the stipulated payment deadlines or who have already been subject to enforcement proceedings will receive delivery after settling their account only against advance payment when ordering, amounting to at least 50% of the total price. The Vendor shall be entitled to make the delivery dependent on the payment of the total invoice amount.
- (5) In the case of an agreed instalment payment with a Purchaser in advance, the entire (remaining) invoice amount shall be due for payment immediately in full in the event of non-payment of a due instalment. In the event of default on a payment, we have the right to terminate orders already placed but not yet delivered with the same Purchaser without notice by e-mail, fax or writing (§ 126 b BGB), without prejudice to further legal remedies and the assertion of claims for compensation for the rest.
- (6) The Vendor shall be entitled, despite the provisions of the Purchaser to the contrary, to first offset payments against the Purchaser's oldest debt. If costs and interest have already been incurred, the payment shall first be offset against the costs, then against the interest and finally against the main performance.

- (7) If the Vendor becomes aware of a significant deterioration in the financial situation or solvency of the Purchaser after conclusion of the contract, the Vendor shall be entitled to immediately declare due all claims from the business relationship, including deferred claims and those from bills of exchange, and make further deliveries conditional upon advance payment or the provision of security. If a deadline has been set for this advance payment, the Vendor shall be entitled to withdraw from the contract after the expiry of the period without result and to claim compensation instead of performance.

### 9. New customers

Persons with whom the Vendor has not yet had business relations are obliged to provide their VAT identification number, during their first order and either to pay in advance the total amount of the purchase price or to authorise the consignment by cash on delivery.

### 10. Warranty

- (1) The Vendor shall assume no liability for the growth and development during the further cultivation of the plants, as this depends on external influences that cannot be controlled by us.
- (2) No liability shall be assumed for unrooted cuttings. The same shall apply to any form of seeds.
- (3) The warranty shall be void if the Purchaser or a third party has graduated, calibrated, wrapped, prepared or otherwise treated the delivered goods.

### 11. Quality agreement; genetic engineering yields

- (1) For the agreed quality of the seeds according to § 434 (1) Clause 1 of the German Civil Code, the following shall exclusively apply:

1. The seeds are species- and variety-specific;
2. Seeds produced in Germany comply with the requirements laid down in Appendix 3 to the Regulation on the marketing of seeds of agricultural species and vegetable seeds of 21st January 1986, as amended; seeds produced in other countries comply with the requirements of the relevant European Seed Directive.
- (2) The varieties from which seed is supplied for sowing are - unless expressly agreed otherwise - classically cultivated varieties which have been grown using traditional methods, i.e. without the use of genetic engineering methods, from genetically unmodified parent components. In the production of these seeds, methods have been used to prevent the accidental presence of genetically modified organisms (GMOs). Seed propagation is carried out in open fields under natural conditions with free pollination. It is therefore not possible to completely exclude the accidental presence of GMOs or to ensure that the seeds supplied are free of traces of GMOs.

- (3) Unless otherwise agreed, the following shall apply: The Vendor shall supply seeds for the production of plants. The seeds supplied are not intended for human or animal consumption, whether processed or unprocessed. Plants grown from the seeds supplied may only be used as food and/or animal feed after complete separation from the seed body supplied as seeds.

### 12. Notification of defects

- (1) If the Purchaser is a trader, he/she must inspect the seeds immediately, and at the latest within two working days after delivery, if the seeds are purchased in closed containers for resale purposes, the obligation to inspect the seed is only applicable if the container is opened or there are visible signs, for example on the packaging, that indicate a defect in the seeds.
- (2) If the Purchaser is a trader, he/she must notify the Vendor of obvious defects in the seeds within three working days of delivery at the latest. Non-obvious defects must be notified to the Vendor by the Purchaser if the Purchaser is a trader, at the latest within two working days after becoming known. The receipt of the complaint by the Vendor shall be decisive.

### 13. Sampling, obtaining an expert opinion

- (1) If, after the delivery, the Purchaser finds a defect which he/she wishes to invoke, he/she shall immediately have an average sample taken from the delivery, insofar as seeds are still present. The taking of an average sample shall not be required if the Vendor has acknowledged the defect.

- (2) The average sample must be taken and created by a person appointed or obliged to do so by a Chamber of Agriculture, a Chamber of Industry and Commerce or a competent authority in accordance with the sampling regulations of the Association of German Agricultural Research and Research Institutes. Three identical partial samples shall be created from the average sample. One partial sample shall be sent immediately to one of the seed inspection bodies for examination, the second partial sample shall be sent to the Vendor and the third partial sample shall remain with the Purchaser. If one of the parties doubts the results of the examination carried out by the seed inspection body called upon, the partial sample remaining with that party shall be immediately sent for examination to another seed inspection body not yet involved in the examination, to be determined by the seed certification body responsible for the Purchaser under national law. The findings of the second seed inspection body shall be binding for both parties. If there are consistent with the findings of the first seed testing body. If the findings are not consistent, the remaining partial sample shall be sent for examination without delay to another seed testing body not yet involved in the investigation, which in turn is designated by the seed certification body responsible for the Purchaser under national law. The findings of the third seed testing body shall be binding on both parties if they are consistent with one of the findings of the seed testing bodies previously consulted. In the absence of such an agreement, the average value of the three studies shall be considered as the result established.

- (3) If there are no more seeds and the Vendor of the seeds does not immediately acknowledge a complaint by the Purchaser, a survey of the growth by a suitable expert must be carried out without delay, about which the Vendor and the Purchaser must be consulted. The expert shall be appointed by the seed recognition body responsible under national law in whose area the inspection is to take place. The objective of the expert's inspection is to establish the facts and to identify possible causes of the material deficiency. This provision shall not apply if the seeds have been acquired for the purpose of resale.

### 14. Claims for defects and liability

- (1) The Vendor shall only be obliged to pay compensation due to breach of duty in the event of intent and gross negligence, unless the Vendor injures the life, body or health of the Purchaser or an essential contractual obligation, the fulfilment of which is indispensable for the achievement of the purpose of the contract.

- (2) In the case of material defects for which the Vendor is liable, it shall, at its discretion, arrange for rectification or a replacement delivery. Only if the delivery of a replacement delivery has failed, may the Purchaser reduce or withdraw from the contract and, if the Vendor is guilty of intent or gross negligence, demand compensation instead of delivery. Clause 2 shall not apply if the existence of the material defect constitutes a material breach of contractual obligations and the fulfilment of this contractual obligation is indispensable for the achievement of the purpose of the contract.

- (3) Claims for defects and claims for breaches of duty which do not concern material defects or defects of title shall become statute-barred one year after delivery of the seeds. § 438 Para. 3 BGB shall remain unaffected.

- (4) Claims for damages due to a negligent breach of essential contractual obligations are limited to the foreseeable damage typical of the contract.
- (5) As far as liability is excluded or limited, this shall also apply to any personal liability of the employees, colleagues, representatives and vicarious agents of the Vendor.
- (6) Except in the case of specific young shoots, complaints may only extend to the specific party and must be made within 15 days of the arrival of the goods; after expiry of the deadline, a complaint is excluded, and the goods shall then be considered free of defects.
- (7) In the case of young shoots, the goods may be admitted upon acceptance and complaints may be notified to us within 48 hours. After expiry of the deadline, the goods sent shall be considered free of defects.
- (8) The liability of the Vendor for recognised or proven defects - in particular in matters of authenticity, varietal purity, specific purity or germination capacity, conformity to resistances, resistance to stem cells or varieties, hitherto unknown diseases and announced tolerances

- is excluded, to the extent that it exceeds the amount of the order, including justified costs arising from the return of the goods.

### 15. Duty to mitigate damage

The Purchaser must take all reasonable measures that are suitable in order to reduce the damage. If the damage could have been averted or reduced if the defect had been reported as soon as possible, this must also be taken into account in the calculation of the compensation.

### 16. Retention of title, transfer of security

- (1) All goods delivered by the Vendor to the Purchaser shall remain the property of the Vendor until all claims arising from the business relationship with the Purchaser have been satisfied in full. This shall also apply if individual or all of the claims of the Vendor have been included in a current invoice and the balance has been established and accepted. This shall also apply to receivables from cheques and bills of exchange that have been established in connection with the business relationship.

- (2) Through any handling or processing of the reserved goods, the Purchaser shall not acquire ownership, as he/she is undertaking this for the Vendor, without any obligations arising for the Vendor. In the case of processing, combining, mixing or blending of the reserved goods with other goods not belonging to the Vendor, the Vendor shall be entitled to the resulting co-ownership share in the new object in the ratio of the value of the reserved goods to the other processed goods at the time of processing, combining, mixing or blending. If the Purchaser acquires sole ownership of the new object, the Vendor and the Purchaser shall agree to the Purchaser granting the Vendor co-ownership of the new object in proportion to the value of the processed, combined, mixed or blended reserved goods and keeping them free of charge for the Vendor.

- (3) The Purchaser may only sell or sow the reserved goods within the scope of the normal course of business.
- (4) The growth from the seeds supplied by the Vendor shall be transferred to the Vendor as soon as they are ready for harvest until all claims from the business relationship have been fully settled and shall be kept by the Vendor free of charge.

- (5) All claims of the Purchaser from a resale of the reserved goods shall be assigned to the Vendor at the time of the conclusion of the contract to secure all claims of the Vendor from the business relationship. The Purchaser shall be entitled to collect these claims for him/her himself, they shall remain unaffected by this.

- (6) However, the Vendor shall undertake not to collect the claims as long as the Purchaser duly fulfils his/her payment and other obligations.
- (7) The Purchaser shall be obliged to adequately insure the reserved goods at his/her own expense, insofar as this is customary, and to notify the Vendor immediately of any damage. In this respect, claims from the insurance contract shall be assigned to the Vendor in advance until all claims from the business relationship have been fully settled.

### 17. Use of the seeds and contractual penalty

- (1) The Purchaser shall undertake to use the seeds only for their intended use. In particular, the Purchaser may not use the seeds for the production of propagating material without the prior written permission of the respective holder of the plant variety protection right, the granting of which is at the discretion of the holder of the plant variety protection right.

Contrary provisions of the German Plant Variety Protection Act and the European Plant Variety Protection Regulation, in particular with regard to the so-called 'Farmer's privilege' for reproduction in his/her own farm shall remain unaffected by this.

- (2) If the Purchaser breaches an obligation in Clause 5, he/she must pay the holder of the plant variety protection right the respective purchase price of the seeds at the request of the Vendor or the holder of the plant variety protection right. This shall not affect the Purchaser's obligation to pay further compensation.

### 18. Colour of illustrations/ No guarantee of yields

- (1) Colour photos in the Vendor's catalogues were taken under favourable growing conditions. The photos are representations; identical results cannot be expected in real life and are not guaranteed. Deviations of the natural product are normal and not a defect. The colours, shades and vegetation cycles are quoted in a consistent and non-legally binding manner.

- (2) The data on weight, dimensions and properties of the products and yields provided by the Vendor is used for orientation purposes.
- (3) The Vendor shall not assume any guarantee for the achievement of yields, as these depend on external circumstances which cannot be influenced by the Vendor. Possible results not only depend on the product and its quality but, as the Customer is aware, also on factors that are difficult or impossible to evaluate or predict and which can vary greatly depending on the region, environment, soil and weather conditions, growing and cultivation practices. Information from the Vendor on possible yields should therefore be understood as purely indicative and non-binding; in particular, such information cannot be interpreted as a harvest guarantee.

### 19. Force Majeure

- (1) Insofar as force majeure concerns the Vendor or Purchaser, the party concerned shall not be in default with regard to the obligation affected by force majeure, and its obligation to fulfil this obligation shall be automatically suspended for the duration of the force majeure. However, this shall not apply to the obligation of the party to make payments to the other party in accordance with the contract.

Force majeure may include, for example, and not exhaustively: warfare, strikes, effects of the climate crisis, fire and accidents in all businesses involved in the production and distribution of products and seedlings.

- (2) In the event of failed harvests or underproduction at the Vendor's premise, which are based on force majeure, the Vendor reserves the right to reduce the delivery quantities at its reasonable discretion. The Purchaser shall not be entitled to compensation in the event of a reduction in the delivery quantities in accordance with Clause 1.

### 20. Data protection

The current version of the data protection declaration is available at <https://www.voltz-marriage.de>.

### 21. Place of jurisdiction and place of performance

- (1) Unless otherwise stated in the purchase contract or the order confirmation, the registered office of the Vendor in Regensburg is the place of performance.
- (2) For all legal disputes between the Purchaser and us, including in the context of a bill of exchange and cheque process, the registered office of the Vendor in Regensburg is the place of jurisdiction if the Purchaser is a trader, a legal entity under public law or a special fund under public law and no exclusive place of jurisdiction is given. The Vendor shall also be entitled to bring an action at the registered office of the Purchaser.
- (3) The law of the Federal Republic of Germany shall apply exclusively to the contractual relations.

### 22. Severability clause

If any provisions of these General Terms and Conditions be or become invalid or unenforceable, the validity of the remaining provisions shall not be affected by this. In place of the invalid or unenforceable provision, the parties shall agree on an effective and enforceable provision that comes closest to the economic interests of both parties. The same shall apply in the event that the General Terms and Conditions have an unintended gap.

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Directors: Serge Voltz, Robert Herrmann, Christian Voltz - Place of performance/place of jurisdiction is Regensburg

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# VOLTZ

## MARAÎCHAGE



**GRAINES VOLTZ  
DEUTSCHLAND**



CAT 453