

SAKATA®

PASSION in Seed



Sakata Continental and Northern Europe





Closer to our customers!

In 2023 Sakata continues its 110-year mission to create, produce and sell vegetable seeds across the world. Within Europe, Middle East and Africa (EMEA), Sakata has organised the region into distinct business areas: this includes Sakata Continental and Northern Europe (SCNE).

This SCNE region is created to further improve Sakata's service to customers with:

- increased focus on research adapted to local conditions
- more product development and salespeople
- new varieties in species specific to SCNE: Broccoli, Cabbage, Spinach, Squash, Red Beet, Bunching Onion, Purple Sprouting Broccoli...

This catalogue is designed for this SCNE area in terms of varieties presented and cultivation advice. Enjoy!

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Beet

Aurora F1* | Red round

Resistance to Rhizomania

- Resistant to Rhizomania and Rhizoctonia
- Globe shaped beet
- Great for the Processing Market and Storage
- High brix content

Fruit	Globe shape Red exterior and interior 12-14% Brix
Plant	Top height is average tall



BRR19000 F1 | Red round

Excellent colour and quality

- Great for Fresh Market
- Globe shaped beet
- Smooth skin and dark colour
- Thrives in cooler climates
- Suited for high sowing density

Fruit	Globe shape Deep dark red exterior and interior Smooth skin
Plant	Medium top height Strong attachment for easy harvest
Resistances	IR: <i>BNYVV</i> / <i>Rs</i>



Cardeal F1 | Red round

Outstanding sugar content

- High sugar content makes this an excellent choice for Processing, Fresh Markets, home gardeners and specialty markets
- Very adaptable variety that works in all climates
- Good storage ability

Fruit	Red interior colour Uniform globe shape High sugar content (12-15%) Smooth skin with small crown attachment
Plant	Green leaf colour Healthy and vigorous plant Erect habit around the cycle
Maturity	90 days after sowing Early to medium maturing variety



BE10910 F1 | Red round

Widely adaptable variety

- Great for Fresh and Processing Markets
- Globe shaped beet
- Very dark colour
- Adaptable for many growing conditions
- Medium to late maturity

Fruit	Globe shape Deep dark red exterior and interior Smooth skin Small tap root and crown
Plant	Medium top height Erect leaves

Kestrel F1 | Red round

Our number one selling variety

- Larger roots and great interior make it well suited for Processing and Fresh Markets
- Adaptable to many markets
- Able to make large sized roots for high yeild
- Excellent storage ability

Fruit	Red interior colour Globe root shape High sugar rate (up to 10%)
Plant	Green leaf colour Healthy and vigorous plant Erect plant habit
Maturity	Suitable for all seasons Medium to late maturing variety 90 days after sowing



BE10317 F1 | Red round

For baby beets

- Excellent choice for baby beet production
- Great beet uniformity at baby and mature sizes
- Adaptable to wide range of markets
- Good choice for early season drilling

Fruit	Dark red colour Globe shape High Betanin content Early cycle
Plant	Vigorous plant Bolting tolerant Erect habit around the cycle
Maturity	90 days after sowing



* Under registration



Red Hawk F1 | Red round

For early harvest

- Great for Processing and Fresh Markets due to its refined tops and roots
- Suitable for early production under tunnel and fleece

Fruit	Red interior colour Globe root shape Very uniform
Plant	Green leaf colour Fast and excellent vigour Nice crown and tap root attachment
Maturity	75-85 days after sowing



Rodina F1 | Red cylindrical

Ideal variety for slicing

- Sakata's cylindrical beet variety offering growers an increased yield over round globe beets
- Good storage ability

Fruit	Deep red internal colour Cylindrical shape High sugar content (12-14%) High uniform roots medium cycle maturity
Plant	Vigorous plant Strong tops Small medium crown & tap root size Medium top height
Maturity	90-100 days after sowing Medium maturity cycle



Chioggia-Guardsmark | Coloured beet

Ideal for the Fresh Market

- A perfect variety for Fresh Market, home garden and specialty markets
- Excellent taste

Fruit	Attractive vivid purple and white interior rings Round shape Mild sweet flavour medium size crown and tap root
Plant	Light green leaf colour Medium large crown & tap root size Medium top height
Maturity	90 days after sowing

Golden Eye | Coloured beet

Attractive gold colour

- Golden-yellow roots make this an excellent choice for Fresh Markets, home gardeners and specialty markets
- Excellent sweet flavour

Fruit	Vibrant shade of gold external and internal colour Globe shape Good uniformity Gold colour that is retained after cooking Early cycle of maturity Smooth skin
Plant	Light green leaf colour Medium large crown & tap root size Medium top height
Maturity	Sowing from May to autumn 90 days after sowing
Resistances	IR: Cb



Broccoli



Aquiles F1 | Early

Very early with blind tolerance

- Very fast growing and early variety for the Fresh Market
- Very strong against blind plants
- Can be used for high plant density
- For harvest in spring

Head	Nice dome shape Medium dark beads colour
Weight	350-500 g
Plant	Good vigour when cold Open plant habit Compact plant Very early maturing variety
Maturity	63-70 DAT*



Cultivation advice

- Likes high nitrogen, adequate water and good soil
- Suitable for the earliest sowing

Eos F1 | Medium

For spring and autumn harvest with attractive head quality

- Medium early variety for the Fresh Market
- Very nice and dome head shape
- Suitable for early transplanting
- For harvest in spring and autumn

Head	Attractive and smooth dome Heavy head Uniform bead size
Weight	400-600 g
Plant	Good vigour in spring Strong against blind plants No side shoots
Maturity	65-72 DAT*
Harvest time	Harvested in spring and autumn



Cultivation advice

- Fast in autumn production

Ares F1 | Early

Early with dark green beads and high head weight

- Early and fast growing Broccoli
- Dark green beads colour
- Very high single head weight
- Has some heat and some cold-tolerance

Head	Nice dome shape Can get very big and heavy Dark green beads
Weight	400-600 g
Plant	Dark green colour Large leaves Compact plant
Maturity	65-70 DAT*
Harvest time	Recommended for late summer and autumn harvest



Cultivation advice

- Excellent for organic production

Marathon F1 | Medium

Very flexible variety for multiple use

- Adapted to various conditions, versatile
- Produces few side shoots
- For harvest at cool to warm and warm to cool

Head	Semi dome shape Intensive green beads colour
Weight	350-500 g
Plant	Good vigour Strong roots Reliable growth and results Appreciated by organic growers
Maturity	70-80 DAT*

Chronos F1 | Early

Fast growing with anthocyanin-free beads quality

- Early variety for the Fresh Market
- Dark green beads, not purpling
- Very strong against brown beads
- For harvest in late summer/autumn/beg. winter

Head	Perfect dome shape Dark blue green beads colour Medium fine beads
Weight	400-500 g
Plant	Compact plant Adapted for high plant density Strong to cold conditions
Maturity	65-70 DAT*
Harvest time	Recommended for late summer and autumn harvest



Cultivation advice

- Fast in autumn production
- Suitable for high plant density cultivation

Naxos F1 | Medium

The best heat tolerance in broccoli

- Medium cycle, for Fresh Market
- Very dark and blue green beads colour
- Excellent under warm and hot conditions
- Efficient use of Nitrogen fertilizer

Head	Very uniform bead size High tolerance to brown beads Attractive beads colour Good level of heat tolerance
Weight	400-600 g
Plant	Vigorous in summer Erect plant habit Dark blue green leaves
Maturity	70-80 DAT*
Harvest time	For summer production



Cultivation advice

- Highly Nitrogen efficient
- Performs well both in mild and hot summer conditions
- Gives good results in summer organic production
- Not recommended for early sowing and transplanting

* Days after transplanting

* Days after transplanting

Perseus F1 | Medium

Very attractive dark green beads colour in autumn

- Medium early cycle for autumn harvest
- Earlier than Parthenon
- Very dark blue green beads colour
- Some heat tolerance

Head	Nice dome shape Blue green beads High quality for Fresh Market Some heat tolerance
Weight	400-600 g
Plant	Very healthy Vigorous under difficult conditions Very uniform head size
Maturity	70-80 DAT*
Harvest time	Autumn harvest, in the cycle of Naxos



Parthenon F1 | Medium

The European Reference for Fresh Market and Processing

- Medium cycle, for Fresh Market and Processing
- Dark green beads colour
- Very high single head weight
- Efficient use of Nitrogen fertilizer

Head	Excellent dome shape Can get very big and heavy Dark green beads
Weight	400-600 g
Plant	Vigorous, strong root system Robust Flexible to difficult conditions
Maturity	78-88 DAT**
Harvest time	Harvested from late summer to the end of the season



Cultivation advice

- Highly Nitrogen efficient



Mykonos F1 | Medium

Excellent dome shape and weight under summer conditions

- Slightly later than Naxos
- Excellent heat tolerance
- High head weight and strong yielding
- No purpling and good shelf life

Head	Very nice dome shape Nice round presentation Fine beads Good level of heat tolerance
Weight	400-600 g
Plant	Strong and vigorous Large leaves Uniform head size
Maturity	73-83 DAT*
Resistances	HR: Ac

Triton F1 | Medium

High yield with some heat tolerance

- Cycle slightly earlier than Parthenon with better heat tolerance
- Dark green beads colour
- Adapted for Fresh Market and Processing

Head	Uniform bead size Very big and heavy Attractive beads colour
Weight	400-600 g
Plant	Good vigour Big leaves Erect plant habit
Maturity	73-83 DAT*
Harvest time	Recommended for harvest end of summer and beginning of autumn



* Days after transplanting

Purple Magic F1* | Other

Attractive with purple colour on beads and stems

- Medium cycle
- For Fresh Market production only
- Very attractive purple colour on beads & stem
- For harvest in late summer/autumn/beginning of winter

Head	With good firmness Anthocyanin is very healthy Recommended to harvest at 400 g
Weight	300-400 g
Plant	Healthy plant Vigorous Doesn't like cold soil
Maturity	70-85 DAT**

* Under registration ** Days after transplanting

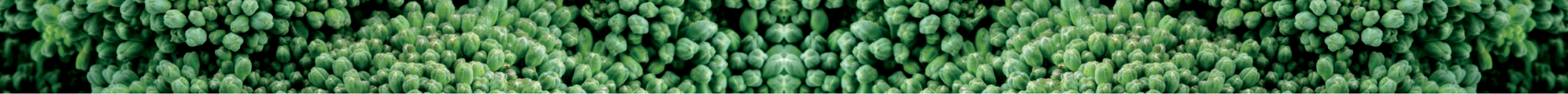
Leonidas F1 | Medium

High head position for easy harvest and healthy plant

- Late cycle, for Fresh Market
- High head position for easy harvest
- Strong against diseases
- For harvest in spring and late summer/autumn

Head	Tight head Anthocyanin-free colour Head with medium fine beads
Weight	400-600 g
Plant	Vigorous, likes good soil No hollow stem Very healthy
Maturity	78-88 DAT**





Variety overview

Variety	Maturity (DAT*)	Harvest Season	Plant Habit	HEAD		BEADS		Features
				Shape	Weight (g)	Size	Colour	
Aquiles F1	63-70	Spring	Compact	1/2 dome	350-500	Fine	Dark green	Blind tolerance for spring harvest, fast growing and dark green beads colour.
Ares F1	65-70	Late summer/ autumn	Compact	Dome	400-600	Medium	Dark green	Open plant; can get high head weights and is fast growing.
Chronos F1	65-70	Late summer/ autumn	Compact	Dome	400-500	Medium	Dark blue green	Very firm heads, no anthocyanin colour of beads. Nice dome shape.
Eos F1	65-72	Spring/ autumn	Vigorous	Dome	400-600	Fine	Dark green	Second early. Strong head weight in spring, nice quality, no side shoots.
Marathon F1	70-80	Late spring/late summer/ autumn	Vigorous	Dome	400-600	Fine	Dark blue green	Wide adaptability, strong roots and good vigour, strong in organic production.
Naxos F1	70-80	Summer	Erect	Dome	400-600	Very Fine	Dark blue green	High heat tolerance, transplanted from mid May to Mid June. Very attractive colour.
Perseus F1	70-80	Late summer/ beginning of autumn	Vigorous	Dome	400-600	Fine	Very dark blue	For Fresh Market with very dark beads colour and nice dome shape.
Mykonos F1	73-83	Summer	Vigorous	Dome	400-600	Medium	Medium green	Good heat tolerance with a strong yield potential and very nice dome shape
Triton F1	73-83	Late summer/ beginning of autumn	Large leaves, erect	Dome	400-600	Very Fine	Dark blue green	Very strong yield, high quality, Fresh Market and Processing, some heat tolerance.
Parthenon F1	78-88	Late summer/ autumn	Vigorous	Dome	400-600	Very Fine	Dark green	Very high quality and yield for both Fresh Market and Processing.
Leonidas F1	78-88	Late summer/ autumn	Vigorous	High Dome	400-600	Fine	Medium green	Late cycle for Fresh Market. Easy to harvest. Healthy plant.
Purple Magic F1	70-85	Late summer/ autumn	Vigorous	Dome	300-400	Very Fine	Purple	Only Fresh Market, very healthy plant. Does not like cold soil in spring.



* Days after transplanting

Bunching Onion



Totem

The market standard for bunching onion

- High yielding
- Easy to grow
- Widely adaptable to different environments

Plant

Excellent uniformity and vigorous plant
Green foliage leaves and medium length white shank
Outstanding holding ability
Adaptable to different daylength and temperatures
Strong foliage protects from rubber bands when packing



Cultivation advice

- Best for organic production
- Can be used throughout Europe

Katana F1

Excellent heat tolerance

- High yielding
- Heat tolerance

Plant

Dark green foliage leaves
Tolerance to tipping
Medium length white shank
Outstanding holding ability
High yielding variety



Cultivation advice

- Fast growing in the early slot

Buzi F1

Very good tolerance to cold conditions

- Tolerance to cold weather
- Excellent choice for modern bunching onion growers

Plant

Good cold tolerance
Excellent uniformity
Strong green colour leaves with white shank
Erect habit around the cycle
Skins easily and pulls easily from the ground



Cultivation advice

- Recommended from spring to autumn

Yoda F1

Optimal commercial yield

- The latest variety coming from Sakata's breeding programme
- High percentage of usable plants that maximize yields
- Fast maturity type
- Distinct dark colour leaves

Plant

Excellent uniformity
Faster maturity than standard type
Keep very deep green colour to foliage
Easy to peel

Interstellar F1

Good tolerance to mildew

- Faster cycle than Totem
- Performs well into the later slot in the season
- Waxy leaves produce some field tolerance to Downy Mildew
- Easy to peel outer leaves

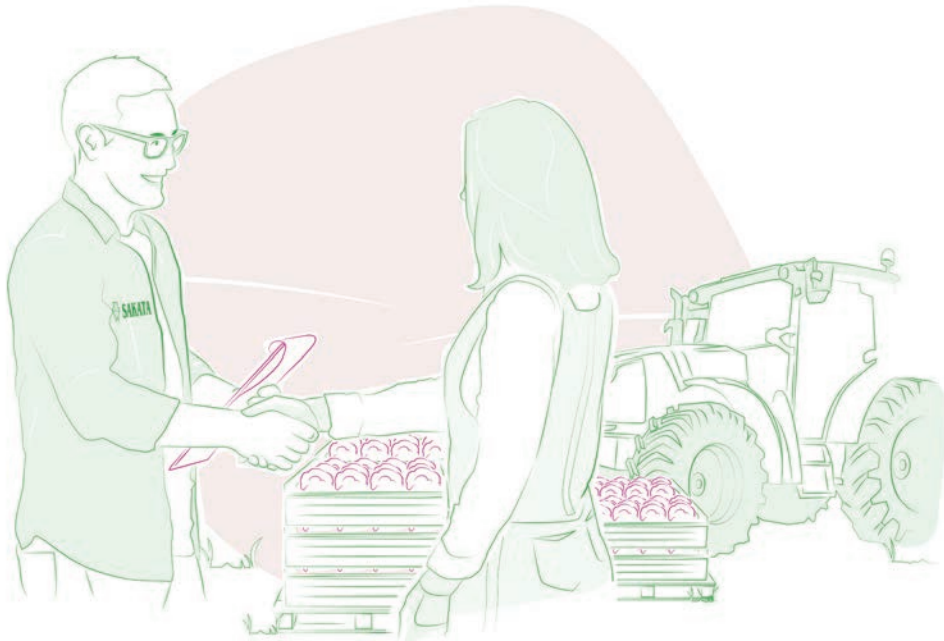
Plant

Vigorous growth
Upright plant habit
Deep coloured, waxy leaves



Cultivation advice

- Recommended for sowing from spring to autumn



Cabbage

Elisa F1 | Round

Very early and very tasty to start the season

- Very early variety for the Fresh Market
- Strong bolting tolerance
- For harvest in spring to start the season
- Can be used to produce mini-heads

Fruit	Excellent taste Short internal core
Weight	0.6-1.0 kg
Plant	Fast growing Early heading
Maturity	55-60 DAT*
Harvest time	For harvest in spring



Cultivation advice

- Good results under plastic or fleece covers

Supreme Vantage F1 | Round

Second early with very high head weight

- Fast growing and heavy variety for the Fresh Market
- Adapted for different head weights, dep. density
- Attractive head shape

Fruit	Good round shape Ideal for bulk market
Weight	1.5-3.0 kg
Plant	Medium green leaf colour Strong when cold to warm
Maturity	70-75 DAT*
Harvest time	For harvest in late spring/summer/autumn
Resistances	HR: Foc: 1



Nozomi F1 | Round

Early and high yielding

- Early variety for the Fresh Market
- For harvest in spring
- Reliable and robust variety
- Good yield potential in spring production

Fruit	Dense structure Very uniform size
Weight	1.0-1.5 kg
Plant	Good field holding ability Strong against cracking
Maturity	60-65 DAT*
Harvest time	For harvest in spring



Cultivation advice

- Dedicated for growth in warm weather conditions (not tolerant for bolting conditions)
- Mid-season cabbage

Green Boy F1 | Round

Reliable yield with good heat tolerance

- Medium cycle variety for the Fresh Market
- High yield potential
- Excellent heat tolerance

Fruit	Nice round shape Good taste
Weight	2.0-4.0 kg
Plant	Semi erect plant Good field holding ability
Maturity	85-90 DAT*
Harvest time	For harvest in late spring/summer/autumn
Resistances	HR: Foc: 1

Monalisa F1 | Round

Second early with perfect round shape

- Second early variety for the Fresh Market
- Very short internal core
- Attractive head shape

Fruit	High uniformity in the field Perfect round shape Excellent taste and texture
Weight	1-1.5 kg
Plant	Dark green leaf colour Good field holding ability
Maturity	About 70-75 DAT*
Harvest time	For harvest in summer/autumn
Resistances	HR: Foc: 1



Marloo F1 | Round

Heat tolerance and black rot resistance for summer harvest

- Medium cycle summer variety with large frame
- Very strong against warm-hot conditions
- Especially for areas with high black rot pressure

Fruit	Semi round to round shape Excellent yield of uniform heads
Weight	2.0-4.0 kg
Plant	Semi-erect plant habit Good field holding ability
Maturity	85-90 DAT*
Harvest time	For harvest in late summer and early autumn
Resistances	HR: Foc: 1 IR: Xcc



Cultivation advice

- Avoid transplanting in cooler areas before end of May as bolting may occur

* Days after transplanting

* Days after transplanting

Zyklop F1 | Round
Short core and high quality product

- Medium to late cycle, for Processing (Fresh Market)
- Good bolting tolerance
- Very good taste

Fruit	Very short internal core Nice round shape at maturity
Weight	3.0-5.0 kg
Plant	Medium green colour Good field holding ability
Maturity	85-100 DAT**
Harvest time	For harvest in late summer and autumn
Resistances	HR: Foc:1



Avanto F1* | Round storage
Ideal market size head; fresh green after storage

- Fresh green head colour even after storage
- Excellent plant health, very uniform heads
- Excellent yield

Fruit	Head shape: round, slightly oval Head structure: uniform layers
Weight	2.5-3.0 kg
Plant	Type: very late Very uniform, high positioned heads
Maturity	135 DAT**
Harvest time	For harvest in autumn
Resistances	HR: Foc:1



Monroo F1 | Round
Robust, easy to grow and reliable yielding

- Medium cycle variety for Fresh Market
- Slow but steadily growing, solid

Fruit	Attractive round shape Solid
Weight	1.5-2.5 kg
Plant	Dark green colour, healthy Good field holding ability
Maturity	95-100 DAT**
Harvest time	For harvest in late summer and autumn (beg. winter)
Resistances	HR: Foc: 1



Savoy King F1 | Savoy
Strong against tipburn

- Good vigour, nice plant colour
- Good field holding
- Savoy to Semi-Savoy leaf structure

Fruit	Mid compact shape Strong against tipburn
Weight	1.2-2.0 kg
Plant	Dark green colour Good field holding ability
Maturity	85-90 DAT**
Harvest time	For harvest in autumn

Accord F1* | White round fresh market
Extremely good field holding ability

- Good plant health
- Attractive head with vigorous frame leaves
- Excellent yield
- Extremely good field holding ability
- Thrips damage rarely observed

Fruit	Vigorous, very healthy
Weight	3.0-5.0 kg
Plant	Head shape: round, slightly flat Dark blue green foliage
Maturity	110-120 DAT**
Harvest time	For harvest in late summer and autumn
Resistances	HR: Foc:1



Savonarch F1 | Savoy
Dark green Semi-savoy cabbage with good field holding

- Vigorous plant, robust in the field
- Strong against bolting
- Similar to Savoy King, but few days later, slightly larger

Fruit	Mid compact shape Strong against bolting
Weight	1.3-2.5 kg
Plant	Slightly darker to Savoy King
Maturity	90-95 DAT**
Harvest time	For harvest in autumn



Cultivation advice
• For spring and summer transplanting

* Under registration ** Days after transplanting

* Under registration ** Days after transplanting

Red Jewel F1 | Red round
Good earliness with strong plant

- Round head shape
- Attractive red colour
- Can be harvested at small size (mini-red cabbage)

Fruit	Round shape For Fresh Market
Weight	1.0-2.0 kg
Plant	Good field holding Strong against tipburn
Maturity	70-80 DAT**
Harvest time	For harvest in summer and autumn



Felicity F1 | Flat
Excellent healthiness; standard in flat cabbages with excellent taste

- Flat head shape for Fresh Market
- Very strong uniformity of plants
- Very attractive results for warm to cold conditions
- Excellent texture and taste

Fruit	Flat shape Strong against tipburn
Weight	1.5-2.0 kg
Plant	Dark green leaves Vigorous
Maturity	70-75 DAT*
Harvest time	For harvest in late spring, summer and autumn
Resistances	HR: Foc: 1



Cultivation advice
• Early and fast in early transplanting

Cape Horn F1 | Pointed
Very early and bolting tolerant pointed cabbage

- Fast growing, early and strong against bolting
- Good field holding
- Sweet taste and crunchy structure of the leaves

Fruit	Compact pointed shape Very tasty
Weight	0.8-1.4 kg
Plant	Dark green colour Good field holding ability
Maturity	55-65 DAT**
Harvest time	For harvest in winter and spring (something to consider: usually it is working well for autumn too)
Resistances	HR: Foc:1



Sweetie F1 | Flat
Flat cabbage for harvest under cool and wet conditions

- Flat cabbage for autumn harvest
- Strong under cool and wet conditions
- Very vigorous and healthy plant with a loose head
- Excellent sweet taste and crispy texture

Fruit	Semi-flat to flat shape Loose internal structure
Weight	1.8-2.8 kg
Plant	Dark blue green colour Slightly blistered leaves
Maturity	80-90 DAT*
Harvest time	For harvest in autumn
Resistances	IR: Xcc

Cape Roca F1* | Pointed
Flexible Fresh Market variety, dedicated for harvest from end of spring to late autumn

- Suitable for typical packaging for fresh pointed cabbage
- Excellent plant health
- Good field holding ability

Fruit	Pointed, Dutch type (long pointed)
Weight	0.8-1.2 kg
Plant	Strong vigour Healthy
Maturity	60-75 DAT**
Harvest time	Depend on production area, we can harvest from end of spring to late autumn
Resistances	HR: Foc: 1



* Under registration ** Days after transplanting

Saturn 45 F1 | Flat
Strong heat tolerance and good plant health








- Flat head shape with loose structure
- Dark green and attractive plant colour
- Good plant health

Fruit	Flat shape For Fresh Market
Weight	1.8-2.7 kg
Plant	Good plant vigour Strong against cracking
Maturity	80-90 DAT*
Harvest time	For harvest in late summer and autumn
Resistances	HR: Foc: 1








* Days after transplanting

Variety overview

Variety	Segment	Shape	Maturity (DAT*)	Harvest Season	HEAD		Disease resistances (HR//R)	Features
					Weight (kg)	Colour		
Elisa F1	White round, Early		55-60	Early spring	0.6-1.0	Light green	–	The earliest, sweet taste, also for tunnels and fleece
Nozomi F1	White round, Early		60-65	Spring	1.0-1.5	Light green	–	Dense uniform heads for open field, tunnels and fleece, tolerant to cracking
Monalisa F1	White round, Early		70-75	Spring/summer	1.0-1.5	Dark green	HR: Foc 1	Second early with perfect round shape
Supreme Vantage F1	White round, Early		70-75	Spring/summer	1.5-3.0	Medium green	HR: Foc 1	Fast growing and heavy
Green Boy F1	White round, Mid		85-90	Autumn	2.0-4.0	Medium green	HR: Foc 1	Reliable yield with good heat tolerance
Marloo F1	White round, Mid		85-90	Summer/autumn	2.0-4.0	Dark green	HR: Foc 1 IR: Xcc	Heat tolerance and black rot resistance for summer harvest
Monroo F1	White round, Mid		95-100	Summer/autumn	1.5-2.5	Medium green	HR: Foc 1	Robust, easy to grow and reliable yielding
Accord F1	White round, Late		110-120	Autumn	3.0-5.0	Dark green	HR: Foc 1	Good field holding ability
Avanto F1	White round, Storage, Very late		130-135	Autumn	2.5-3.0	Grey green	HR: Foc 1	Green head even after long storage
Savoy King F1	Savoy, Mid		85-90	Autumn	1.2-2.0	Medium green	–	Savoy cabbage with high tolerance for tipburn
Savornach F1	Savoy, Mid		90-95	Autumn	1.3-2.5	Dark green	–	Long harvest period, savoy cabbage
Red Jewel F1	Red round, Mid		70-80	Summer/autumn	1.0-2.0	Intense red	–	Attractive red heads, can be harvested also at small size

* Days after transplanting

Variety	Segment	Shape	Maturity (DAT*)	Harvest Season	HEAD		Disease resistances (HR//R)	Features
					Weight (kg)	Colour		
Cape Horn F1	White Pointed, Early		55-65	Whole season	0.8-1.4	Medium green	HR: Foc 1	Pointed cabbage with short maturity period, very tasty with wide seasonal adaptability
Cape Roca F1	White Pointed, Mid		60-75	End of spring to late autumn	0.8-1.2	Medium green	HR: Foc 1	Dutch type flexible variety, suitable for typical packaging for fresh pointed cabbage
Felicity F1	White Flat, Mid		70-75	Spring/summer/autumn	1.5-2.0	Medium green	HR: Foc 1	Delicious flat cabbage for all production season
Sweety F1	White Flat, Mid		80-90	Summer/autumn	1.8-2.8	Dark green	IR: Xcc	Flat cabbage with excellent taste mainly for autumn
Saturn 45 F1	White Flat, Mid		80-90	Summer	1.8-2.7	Medium green	HR: Foc 1	Very tasty flat cabbage for summer

* Days after transplanting

Cauliflower

Nairobi F1* | Early medium

Flexible variety and future summer top seller

- Strong vigour
- Pure white colour
- Heat tolerant

Fruit	Pure white colour Compact head
Plant	Strong vigour Curd well protected
Maturity	85-90 DAT**



For
Trial

Merton F1 | Early medium

Large head adapted for fresh and frozen processors

- Dual purpose: fresh and processing
- White, compact head
- Strong vigour

Fruit	Good white colour Compact, large head
Plant	Strong vigour with twisted inner leaves Erect plant habit Curd well protected Not suited to cold and wet conditions
Maturity	85-95 DAT*



Cultivation advice

- Good heat tolerance



Cultivation advice

- For planting from week 10-12
- Very fast variety for early transplanting

Alston F1 | Early

Perfect match between fast maturing and excellent quality

- Very good head presentation
- Good seedling vigour for plant raisers
- Fast maturing
- Heat tolerant

Fruit	Heavy head with clean base Pure white colour
Plant	Strong vigour Large leaves with erect plant habit Curd well protected
Maturity	70-80 DAT**



Cultivation advice

- Summer variety

Concept F1 | Early medium

Excellent summer cauliflower

- Good head presentation
- Heat tolerant

Fruit	Compact head Good yielding
Plant	Easy packing Curd well protected Medium to strong vigour
Maturity	85-90 DAT*

White Magic F1 | Early medium

Best suited for semi professional conditions

- Adapted to autumn slot

Fruit	Compact head Dome shape
Plant	Curd well protected Medium vigour
Maturity	75-80 DAT**



* Under registration ** Days after transplanting

CAU21401 | Medium

Pre commercial variety for the summer and early autumn season

- Versatile
- Good head presentation

Fruit	Deep white curds Well presented making harvesting easier
Plant	Vigorous Upright habit
Maturity	85-95 DAT*

* Days after transplanting



For
Trial



Purpurina F1 | Early medium
The shortest maturity purple cauliflower

- Multi purpose: fresh head, baby or florets
- Fast maturing
- Deep purple colour

Fruit	Big head suitable for floret harvest Well adapted to mini vegetable markets Deep outer purple colour with purple stems Compact head
Plant	Extra early maturity Well adapted for warm seasons Erect plant habit Good field resistance to diseases
Maturity	55-65 DAT**



Lisboa F1* | Early
The shortest maturity orange cauliflower

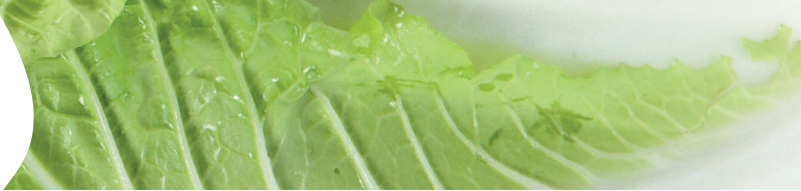
- Multi purpose: fresh head, baby or florets
- Fast maturing
- Glossy orange colour

Fruit	Well adapted to mini vegetable markets Glossy outer orange colour with orange stems
Plant	Extra early maturity Well adapted for warm seasons Erect plant habit Good field resistance to diseases
Maturity	55-65 DAT**



* Under registration ** Days after transplanting

Chinese Cabbage



Natsuki F1* | Early
Chinese cabbage with very flexible head size

- Attractive presentation in white, yellow and green
- Different sizes possible from 150 to 1000 g, dep. density
- For harvest in summer and autumn
- Strong against tipburn and pepper spots

Fruit	Typical chinese cabbage shape For Fresh Market
Weight	Up to 1000 g heads possible
Plant	Fresh green external colour Good heat tolerance
Maturity	About 35-45 DAT*



Cultivation advice

- Harvest in summer and autumn
- 1 kg head in 60 days
- Cycle can vary between five and eight weeks after transplanting depending on plant size



Tabaluga F1 | Medium
Chinese cabbage for summer with very dark green leaf colour

- Strong for harvest in summer and beginning of autumn
- Very dark green plant colour
- Strong bolting tolerance
- Compact plant

Fruit	Cylindrical shape Nice internal colour
Weight	0.8-2.0 kg/head
Plant	Dark green frame leaves High plant density possible
Maturity	About 60-70 DAT*

Cultivation advice

- Production all seasons and spring transplanting

Yuki F1 | Late
Reliability and robustness

- For harvest in late summer and autumn
- For Fresh Market and strong for storage
- Barrel shape with good wrapping
- Strong against Pepper spot

Fruit	Barrel shape Pale white internal colour
Weight	1.3-2.5 kg
Plant	Medium-dark green leaves Healthy plant
Maturity	65-75 DAT*
Resistances	HR: Pb 0,1,3



Cultivation advice

- Transplant after 15 May for late summer and autumn harvest

* Days after transplanting



Kiseki F1 | Medium

Healthiness and quality

- For harvest in summer and autumn
- For Fresh Market and storage
- Good field holding ability
- Strong against Pepper spot

Fruit	Cylindrical shape Nice yellow internal colour
Weight	1.3-1.8 kg
Plant	Medium green frame leaves Healthy plant
Maturity	65-75 DAT*
Resistances	HR: Hb/Pb 0, 1, 3



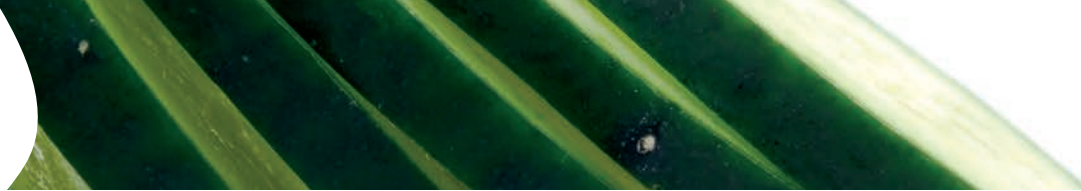
Cultivation advice

- Recommended for harvest from end of summer to autumn direct from the field but can also be stored until April



* Days after transplanting

Cucumber



Burpless Tasty Green F1*

Japanese cucumber type for indoor production

- Japanese cucumber type for indoor productions
- Early and high potential yield
- No bitterness hybrid

Fruit	Very homogeneous quality Crisp and tender Dark green skin colour Fruits are long (20-24 cm)
Plant	High tolerance to hot and humid conditions Earliness
Resistances	HR: Ccu IR: Px



Cultivation advice

- Very good setting under hot weather condition
- Tolerant of high temperatures and humid growing conditions

Pharo F1

Top fruit quality with balanced plant

- Balanced plant with good leaf coverage
- Very good and uniform fruit quality along the cycle

Fruit	Very dark, ribbed and good shape Uniform fruit quality
Size	16-18 cm
Plant	1-2 fruits per node Side shoots very generative
Harvest time	Spring and/or autumn production depending on country
Resistances	HR: Ccu IR: CMV / CVYV / Px

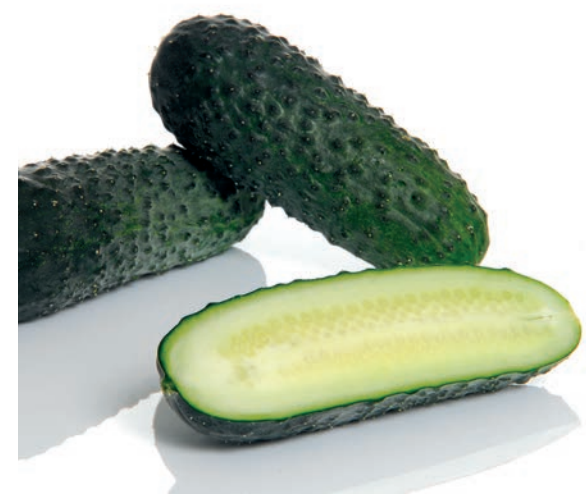


Marvi F1

Very good compromise between fruit quality and potential yield

- Pickler parthenocarpic cucumber for indoor productions in spring, summer and autumn
- Strong plant with medium size leaves and medium internodes and high potential yield
- Fruits are medium to dark colour with high and uniform quality

Fruit	Fruit uniformity along cycle Excellent and shiny colour Excellent shelf life
Size	11-13 cm
Plant	Strong plant with high setting 1-4 fruits per node
Harvest time	Recommended for spring and summer
Resistances	HR: Ccu IR: CMV / Px



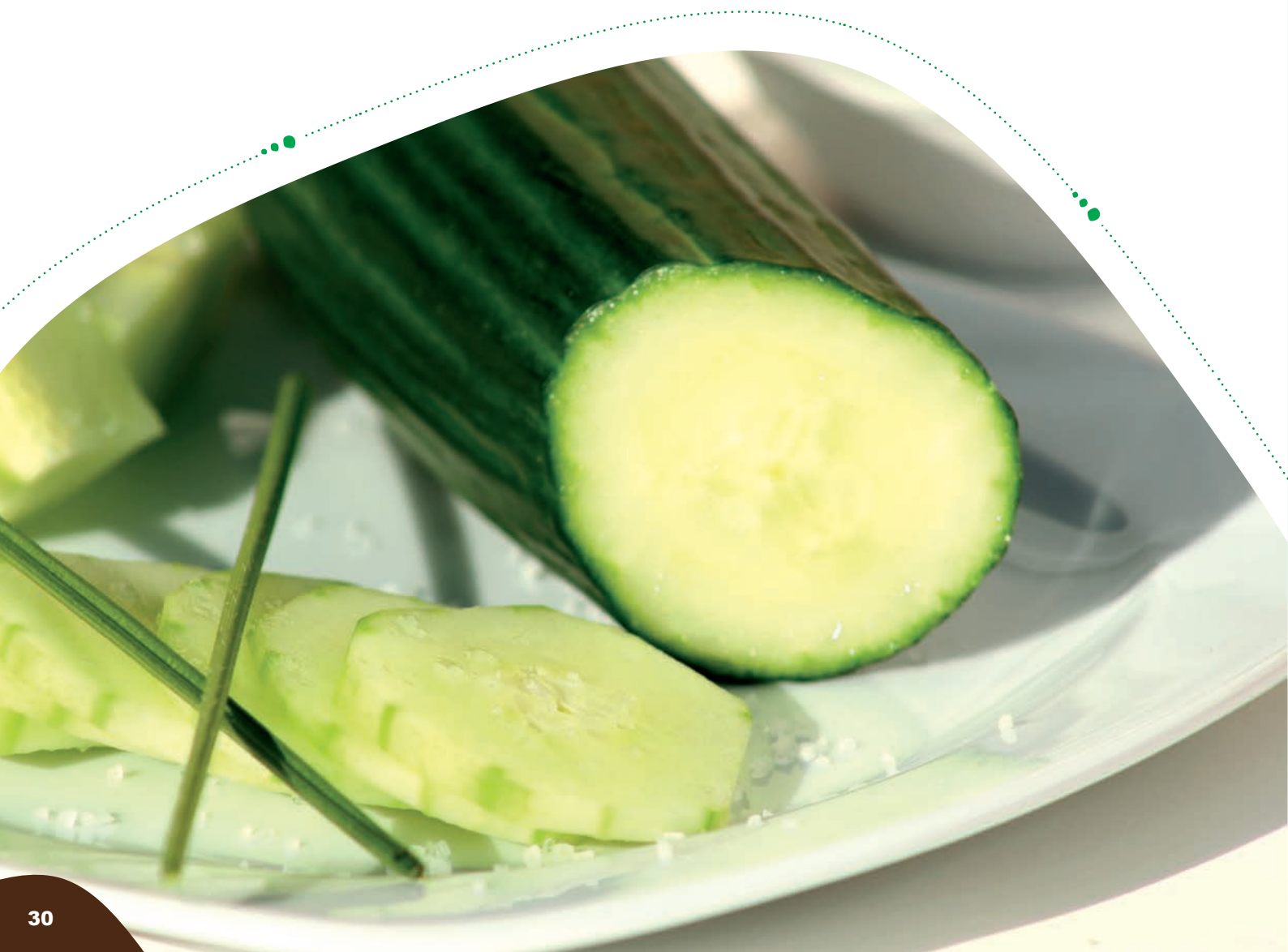


Teslin F1

Earlier variety with high potential yield

- Parthenocarpic pickler for indoor production
- Medium vigour and open plant with good regrowth
- Very healthy plant thanks to resistances pack
- Early variety with high setting both: cold and hot
- Fruits are straight, dark, spiny

Fruit	Dark green colour Shows good bumps High uniformity
Size	11-13 cm
Plant	Earlier variety Good regrowth Healthy plant
Harvest time	Recommended for spring and summer
Resistances	HR: CMV / Cca / Ccu IR: CVYV / Px



Edamame



Dame Hanae | Green

High yielding edamame variety

- Good yield (around 9T/ha with pod)
- Nice pod set
- Good plant behaviour adapted for mechanical harvest

Fruit	3 grains per pod Nice sweet taste Bright green colour of the grain
Plant	Compact plant with a good coverage Plant height: around 80 cm
Maturity	90 to 100 days after drilling
Harvest time	End of summer



Cultivation advice

- Do not drill before May 10th (sow the crop once the soil has warmed up)
- The nitrogen-fixing rhizobium bacteria for edamame is not native to Europe. They should be introduced as a seed inoculant or directly to the ground during the sowing.
- Density: 160 000 to 180 000 plants/ha



Dame Junko | Green

Very good balance between a short maturity cycle and a good marketable yield

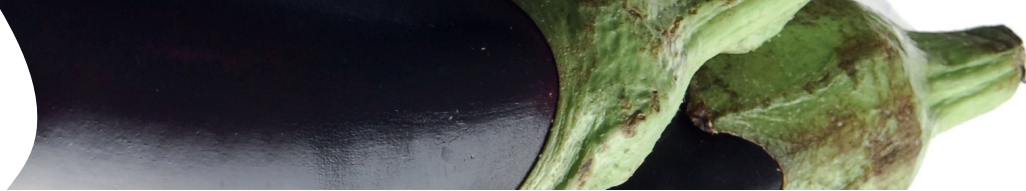
- Fast maturity cycle
- Adapted for machinery harvest

Fruit	On average 3 grains per pod Medium to dark green colour Sweet taste Good marketable yield
Plant	Very compact plant Plant height: around 70 cm Erected plant habit
Maturity	80 to 90 days after drilling
Harvest time	End of summer

Cultivation advice

- Do not drill before May 10th (sow the crop once the soil has warmed up)
- The nitrogen-fixing rhizobium bacteria for edamame is not native to Europe. They should be introduced as a seed inoculant or directly to the ground during the sowing.
- Density: 160 000 to 180 000 plants/ha

Eggplant



Romanov F1 | Long purpleblack

Good compromise of quality and production

- Long purpleblack eggplant for open field productions
- Upright plant habit with medium leaf size and open

Fruit	Long purpleblack colour Glossy skin Shelf life
Weight	250 g
Plant	Erected and open plant Continued setting Medium earliness
Maturity	80 DAT*
Harvest time	Spring and summer



Cultivation advice

- Long harvesting window

Kohlrabi



Quickstar F1 | Green

Early with a beautiful pale green colour

- Quickstar is an early, small to medium sized hybrid
- Extremely uniform in size and maturity
- Excellent for outdoor
- Slow bolting

Fruit	Flat round shape Smooth Light green
Plant	Dark green and slightly broad leaves Hight bolting resistance



Cultivation advice

- Suitable for early heated cultivation
- For earliest sowing

New



Cultivation advice

- Continuous setting in hot conditions
- For both open field and plastic tunnel production

Nawal F1 | Long purpleblack

The best fruit quality in open field for spring, summer and autumn

- Strong plant with good foliage coverage
- Continuous setting in hot conditions
- High fruit quality: firm, dark and heavy
- Excellent LSL

Fruit	Uniform size and shape Extremely firm and best LSL Dark and glossy colour
Weight	275 g
Plant	Strong plant with continuous setting Erected architecture of plant Good foliage coverage
Maturity	85 DAT*
Harvest time	Spring and summer



* Days after transplanting

Melon

Bari F1 | Cantaloupe

Abundant and early yield

- Easy setting variety for higher production
- Its concentrated set and short cycle allow an early picking to be the first in the market
- Dense and homogeneous netting all along the crop to get high percentage of 1st category

Fruit	Round-oval shape and sutured Orange flesh, standard shelf life (<6 days)
Weight	1.2 to 1.5 kg
Plant	Good vigour Positioning: for early season
Maturity	Mid early maturity cycle
Resistances	HR: Fom 0 - 2 / MNSV:0 IR: Gc 1; Px 1, 2, 5



Cultivation advice
• Outdoor protected (crop under film) and open field crop

Mexel F1 | Charentais

Reliability from field to plate

- High field holding ability, easy to harvest and ship
- Heavy potential of production, easy centre setting
- Top percentage of class extra, consistent look and low rate of waste
- Right balance firmness/juiciness combined with sweetness
- Highly tolerant to glassiness

Fruit	Globe shape Vanilla rind colour, blue grey sutured, with dense and thick net Orange and aromatic flesh
Weight	1-1.3 kg average weight
Plant	Compact and hardy until harvest end For mid-season slot Open field, crop under film
Resistances	HR: Fom 0-2 IR: Px1,2,5-VAT



Cultivation advice
• Outdoor protected (crop under film) and open field crop

Pistolero F1 | Cantaloupe

When productivity meets attractiveness

- High and concentrated yield supported by a vigorous plant
- Very uniform fruit presentation until harvest end
- LSL type with clear skin appearance and good tolerance to sunburn in hot conditions
- Excellent post-harvest shelf life for maximum shipping ability

Fruit	Round oval shape Thick and very dense netting Persistent and intense dark green suture Orange flesh, long-shelf life (LSL)
Weight	1 to 1.6 kg
Plant	Good vigour Positioning: for early season
Maturity	Long maturity cycle
Resistances	HR: Fom: 0-2 IR: Gc: 1 / Px: 1, 2



Melixis F1 | Charentais

Highly productive and high holding

- Very productive plant
- Great flexibility of harvest with its excellent fruit's field holding
- Persistent netting and sutures to get highest commercial yield
- Ease of shipping, hard and slow colour changing rind
- Keeps its attractiveness until consumer places

Fruit	Globe shape Ivory skin colour, turning slowly to nice yellow cream Intense sutures, and fairly thick and dense netting Orange flesh Post-harvest mid-shelf life
Weight	Average weight between 0.9 to 1.2 kg
Plant	Vigorous and balanced plant Mid-late maturity cycle Positioning: mid-season slot Open field protected production
Resistances	HR: Fom: 0-2 IR: Gc: 1 / Px: 1, 2, 5

Melgic F1 | Charentais

The Melgic Formula

- Well balanced plant
- High commercial yield and fruits holding
- Thicker netting to increase shipping ability
- Nice orange flesh
- Tolerant to glassiness

Fruit	Globe shape Ivory skin, turning slowly to yellow Intense suture, thick and dense netting Orange flesh and MSL post-harvest
Weight	Calibre between 0.9 to 1.2 kg
Plant	Positioning: for open field protected production Vigorous plant Mid-late maturity cycle
Resistances	HR: Fom: 0-2 IR: Gc: 1 / Px: 1, 2, 5



Bimbo F1 | Yellow

First class production and storage ability

- High commercial yield of uniform fruits all along the picking period
- Good plant under a wide range of growing conditions
- Reliable internal qualities to secure the business chain from traders to consumers

Fruit	Wrinkled and yellow skin Ovoid shape White flesh colour
Weight	2.0-2.5 kg
Plant	Balanced plant
Maturity	Medium early maturity cycle
Harvest time	For medium-season crop
Resistances	HR: Fom 0-2 IR: Gc 1 ; Px1



Cultivation advice
• Extended shelf life

Aikido F1 | Galia

Ideal for local market

- Early maturity cycle
- High brix level
- Ideal for local market distribution

Fruit	Round shape Yellow colour and netted rind Light green flesh Classical postharvest shelf life
Weight	1.0 to 1.7 kg
Plant	Medium plant vigour Early maturity cycle Positioning: for 1/2 early and season slots Open field, protected and non-protected crop



Cultivation advice

- Early maturity, for open field, protected and unprotected production

Cordial F1 | Piel de sapo

A little sweet

- Vigorous and balanced plant, easy to get concentrated setting, for an early crop
- Egg fruit shaped, with typical Piel de Sapo presentation
- Sets a new standard for export markets, tolerance to glassiness
- The internal quality is its great virtue, firm white flesh with traditional taste

Fruit	Firm and sweet flesh Tolerance to glassiness
Weight	Fruit size between 3.0 to 3.5 kg
Plant	Moderate vigour Mid-early maturity cycle Open field crop type
Resistances	HR: MNSV: 0 / Fom: 0, 1 IR: Gc: 1 / Px: 1, 2, 5



Cultivation advice

- Indoor crop type: plastic tunnel crop, stake or bush
- Outdoor crop with single row tunnel or fleece covered

Exelor F1 | Galia

Excellence throughout the season

- High yield of 1st class fruits for maximum profit
- Natural plant strength allows a long and high quality crop
- Homogeneous fruit that remains firm during transportation and storage

Fruit	Round shape and yellow skin colour Thin and very dense netting High external and internal firmness
Weight	0.8 to 1.2 kg
Plant	Vigorous and hardy plant Positioning: mid-season slot
Resistances	HR: MNSV: 0 / Fom: 0-2 IR: Gc: 1 / Px: 1, 2, 5



Cultivation advice

- Open field with plastic cover

Don Quixote F1 | Piel de sapo

Production, quality and shipping

- Rustic variety, adapted to wide range of growing conditions
- Very yielding, with attractive fruit
- Top business chain reliability, tolerance to glassiness and excellent storage ability
- High sugar content and unbeatable flavour

Fruit	Light netting and green skin colour Almond fruit shape White and firm flesh, with extended shelf life
Weight	3.0 to 4.0 kg
Plant	Vigorous plant Positioning for mid-early transplanting slot
Maturity	Mid maturity cycle
Resistances	HR: MNSV: 0 / Fom: 0-2 IR: Gc: 1 / Px: 1, 2, 5

Tenor F1 | Galia

Highest efficiency to begin the melon season with

- Concentrated yield, to catch the early markets
- Ideal calibre suitable for early transplanting
- Attractive golden colour from outside, and tolerance to glassiness inside

Fruit	Globe shape with golden colour Thin and dense, netting Green and sweet flesh
Weight	0.8 to 1.2 kg
Plant	Well balanced, medium vigour Positioning: For early slot
Maturity	Early maturity cycle
Resistances	HR: MNSV: 0 / Fom: 0-2



Cultivation advice

- Large tunnel crop type (indoor)
- Small tunnel crop type (outdoor)
- Concentrated yield to catch early markets, with ideal calibre, suitable for early transplanting

Grand Calero F1 | Piel de sapo

Maximum pleasure from field to fork

- Very stable internal qualities (flesh consistency; brix)
- Easy to ship, thanks to its excellent post-harvest
- The right combination of juicy and dense sweet flesh for maximum pleasure
- In the field, high yield and powdery mildew tolerance

Fruit	Oval elongated shape Semi-wrinkled skin with lineal netting Green pattern and dark green spots White firm flesh
Weight	3-3.5 kg
Plant	Medium vigour For main season
Resistances	HR: MNSV: 0 / Fom: 0, 1 IR: Px: 1, 2, 5, 3.5 / Ag



Cultivation advice

- Open field (protected or non protected)

Grand Cortes F1 | Piel de sapo

The best finish

- Great ability to diverse types of soil
- Very appealing appearance (longitudinal netting)
- Long storage capacity
- The right balance between firmness & sweetness

Fruit

Oval elongated with semi-wrinkled skin
Medium thick and lineal netting
White flesh, consistent and juicy, that exceeds
15° Brix in optimum maturity conditions

Plant

Vigorous with concentrated setting

Maturity

Long cycle of 85-90 days

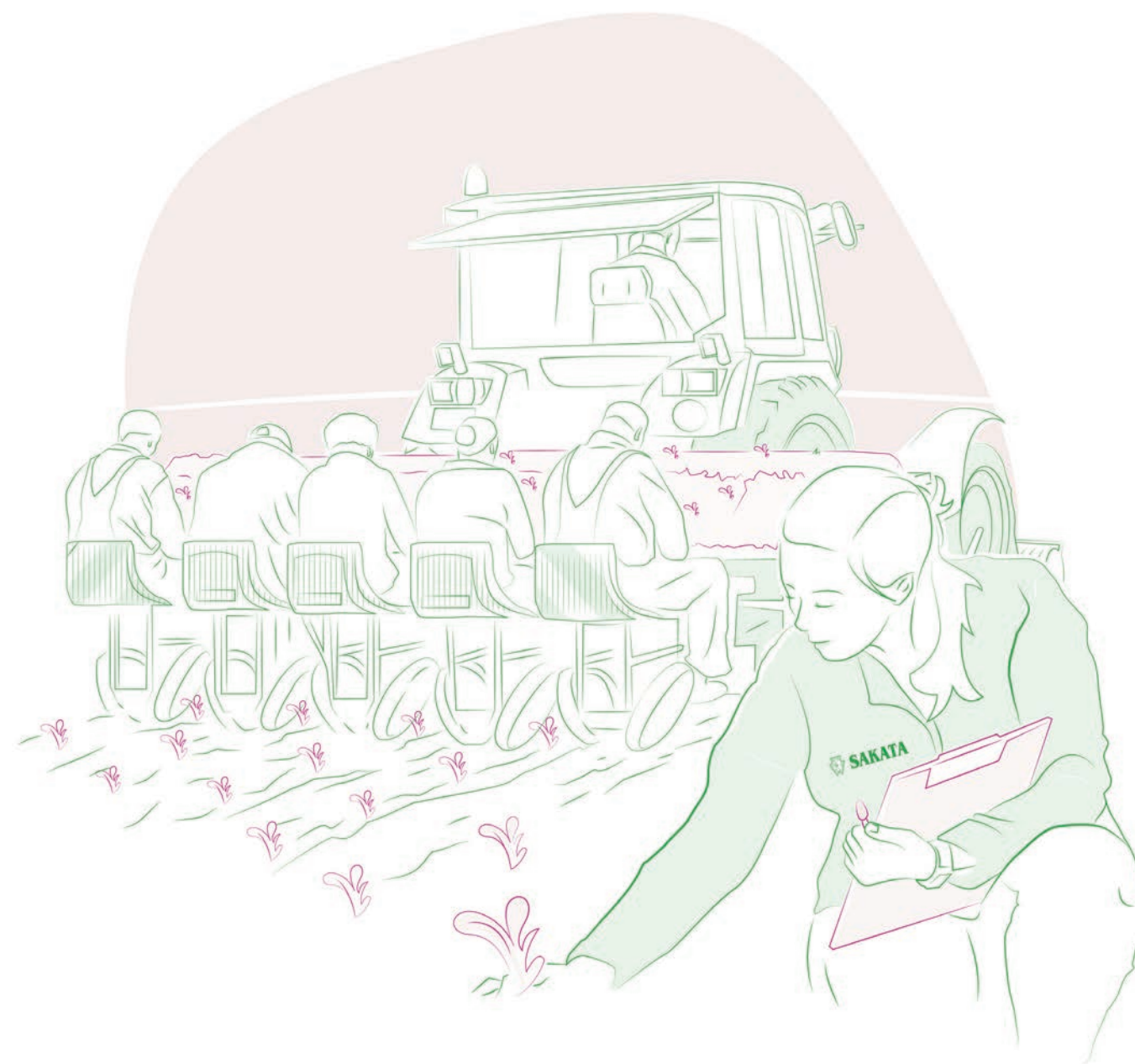
Resistances

HR: MNSV: 0 / Fom: 0, 1
IR: Px: 1, 2, 5, 3.5 / Ag



















Cultivation advice

- For late season, open field transplanting
- Adaptable to diverse types of soil



Variety overview

Variety	Segment	Vigour	Cycle	High Resistance / Intermediate Resistance (HR/IR)	Rind
Bari F1	Cantaloupe	Good	Mid-early	HR: MNSV: 0 / Fom: 0-2 IR: Gc: 1 / Px: 1, 2, 5	Netted - Sutured - Yellow
Pistolero F1	Cantaloupe	Good	Late	HR: Fom: 0-2 IR: Gc: 1 / Px: 1, 2	Netted - Sutured - Grey
Aikido F1	Galia	Medium	Early	–	Netted - Yellow colour
Exelor F1	Galia	Strong	Early	HR: MNSV: 0 / Fom: 0-2 IR: Gc: 1 / Px: 1, 2, 5	Dense netting - Yellow colour
Tenor F1	Galia	Balanced	Early	HR: MNSV: 0 / Fom: 0-2 IR: Gc: 1 / Px: 1, 2, 5	Dense netting - Yellow colour
Don Quixote F1	Piel de Sapo	Very good	Mid-early	HR: MNSV: 0 / Fom: 0-2 IR: Gc: 1 / Px: 1, 2, 5	Light netting - Green
Grand Calero F1	Piel de Sapo	Very good	Long	HR: MNSV: 0 / Fom: 0, 1 IR: Px: 1, 2, 5, 3.5 / Ag	Linear net - Green
Grand Cortes F1	Piel de Sapo	Well balanced	Long	HR: MNSV: 0 / Fom: 0, 1 IR: Px: 1, 2, 5, 3.5 / Ag	Light netting - Golden/Green
Mexel F1	Charentais	Medium	Medium	HR: Fom: 0-2 IR: Gc: 1 / Px: 1, 2, 5 / Ag	Ivory - Netted - Blue sutures
Melgic F1	Charentais	Good	Mid-late	HR: Fom: 0-2 IR: Gc: 1 / Px: 1, 2, 5	Cream-yellow - Netted - Green sutures
Melixis F1	Charentais	Good	Mid-late	HR: Fom: 0-2 IR: Gc: 1 / Px: 1, 2, 5	Ivory - Netted - Green sutures
Bimbo F1	Yellow Honey Dew	Balanced	Mid-early	HR: Fom: 0-2 IR: Gc: 1 / Px: 1, 2, 5	Wrinkled - Yellow
Cordial F1	Piel de Sapo	Well balanced	Mid-early	HR: MNSV: 0 / Fom: 0-1 IR: Gc: 1 / Px: 1, 2, 5	Light netting - Green

Weight (Kg)	Shape	Flesh	Post harvest shelf life	Early slot	Med season slot	Season and late slot
1.2-1.5	Round/oval	Orange	Classical	–		
1-1.6	Round/oval	Orange	LSL	–		
1	Globe	Green	Classical	–		
0.8 to 1.2	Globe	Green	MSL Extended			
0.8 to 1.2	Globe	Green	MSL			
3.0-5.0	Oval	White	Extended shelf life			
3.0-4.5	Oval	White	Good shelf life	–		 (late)
3.0-4.5	Oval slightly elongated	White	Extended shelf life	–		 (late)
1.0-1.2	Globe	Orange	MSL	–		
1.0-1.2	Globe	Orange	MSL	–		
1.0-1.2	Globe	Orange	MSL	–		
2-2.5	Ovoid	White	Extended shelf life			
2.5-3.5	Eggs	White	Extended shelf life	–		

Onion

Pegase F1 | Late intermediate day yellow

High yielding, very adaptable and grower friendly

- Firm and cuts well
- Good pink root tolerance

Fruit	Nice brown colour and globe shape Thin neck
Plant	Tolerant to Pink root and Fusarium basal root Adapted to mechanical harvest
Resistances	IR: Foc, Pt



Shakespeare* | Short day yellow

High yielding with outstanding pre-pack quality and storability for an overwinter variety

- Late short day
- Nice onion with good skin retention

Fruit	Good skin quality Excellent pre-pack quality
Plant	High bolting resistance Good storability for overwinter type



Rosanna | Late intermediate day pink

Very distinctive dark pink skin

- Ideal for all culinary uses, from cooked dishes to salads and sandwiches
- Usually creating more colours after harvest
- Good storage ability

Fruit	Semi globed shape Very nice rings when sliced
Plant	Interesting for spring planting and late winter early spring sowing



Senshyu Yellow Globe | Short day yellow

Overwintering type

- Yields variety
- Perfect OP for overwintering crop

Fruit	Very nice globe shape bulbs Thin skin Good uniformity Nice yellow colour
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Red Herald F1 | Long day red

Good storage potential with nice red skin

- Excellent dark red colour: glossy and uniform
- Good storage potential
- Good yield potential
- Nice flavour

Fruit	Globe shaped Dark red colour: glossy and uniform Very good skin Long day red onion
Plant	Strong root system Good storage potential For direct drilling only



* Under registration

Pak Choi

Shun Li Choi F1 | Chingen sai

Mini type for high yield

- Mini Chingen Sai for high plant density
- Erect plant for easier harvest
- Medium green leaf colour
- For year round production (dep. on area)

Fruit	Mini shape of Chingen Sai Erect leaves Different sizes possible
Plant	Good plant vigour High plant density possible Some heat tolerance



Cultivation advice

- Early maturing
- Can be planted at higher densities

You Qing Choi F1 | Chingen sai

Clubroot resistance and sweet taste

- Dark Green Chingen Sai with erect plant habit
- Erect habit allows easy packing of the plants
- Excellent taste and juiciness
- Adapted for harvest in summer, autumn (beg. winter)

Fruit	Erect shape Very easy to pack Different sizes possible
Plant	Very dark leaf colour Higher densities possible Medium late maturity
Resistances	HR: Pb 0,1,3



Cultivation advice

- Summer to autumn harvest
- Can be planted at higher densities



Mei Qing Choi F1 | Chingen sai

High yield with flexible use throughout the year

- High yielding variety with erect habit
- Fast growing
- For all season production, depending on area
- Recommended to harvest at younger stage

Fruit	Erect shape Medium green colour Strong petiole
Plant	Medium green, round leaves Good plant uniformity High head weight

Cultivation advice

- Recommended especially for summer and autumn production
- Can be planted at higher densities



Joi Choi F1 | Pak choi

Bolting tolerance and vigour

- Pak Choi type with dark green leaves/white petioles
- Excellent bolting tolerance for winter/spring production
- Mainly greenhouse production, open field possible

Fruit	Erect shape Nice contrast in colours 250-450 g heads (dep. Spacing)
Plant	Very dark leaf colour Slightly blistered leaves Very good plant vigour

Cultivation advice

- Can be grown throughout the cropping season in temperate areas
- Versatile for glasshouse or outdoor crops

Yang Qing Choi F1 | Chingen sai

Strong bolting tolerance in year-round production

- Excellent bolting tolerance in spring production
- Medium green plant colour
- Erect plant with slightly oblong leaves
- Adapted for year round production

Fruit	Erect shape, compact Easy to pack Different sizes possible
Plant	Darker than Mei Qing Choi Very good field holding Medium early maturity



Cultivation advice

- Adapted to year round production



Pepper

Marab F1 | Hot north african pepper

The best fruit quality with the highest early yield potential

- Hot north africa pepper for early and extra early in temperate areas, as well over winter productions in summer transplants
- High potential yield and earliness
- Fruit quality with nice colour, both green and red
- High pungency even during the cold period

Fruit	Straight fruits with shiny and smooth skin colour Dark green and red colour Keep pungency in cold conditions
Plant	Erected and good foliage coverage Compact plant with short internodes Strong root system
Resistances	HR: Tm 0,3 <i>IR: TSWV 0</i>



Cultivation advice

- For open field, as well plastic tunnels

Hulk F1 | Blocky red/spring-summer

Healthier plant for open field productions with high potential yield

- Blocky red sweet pepper for open field productions
- Healthy plant thanks to high resistances package
- Strong plant with good foliage coverage protecting fruits from sunburn
- High FQ with good shape, colour in mature and immature stage

Fruit	Big size with uniform shape Nice green and red colour Thick wall and heavy fruits with excellent LSL
Weight	225 g
Plant	Strong and healthy plant with good foliage coverage Continuous setting for a long cycle, even in tough conditions
Maturity	95 DAT**
Harvest time	Spring and summer
Resistances	HR: Tm 0,3 / Xcv 0-3,7,8 <i>IR: TSWV 0</i>

Sibac F1* | Sweet red blocky

Simply, perfection for early transplant dates

- Sweet blocky red pepper for HC and early transplant under protection
- Open plant with good hot and cold setting ability for a high potential yield
- Thick wall and extreme firmness for great hold ability in plant, as well as storability post harvest
- Blocky shape with mainly 4 lobes and nice green/red colour
- High tolerance to BER, oldering spot and silvering in hot conditions
- Perfect to harvest in both: green and red maturity
- Best powdery mildew resistance in early slot within a complete diseases pack

Fruit	Blocky shape with GG size Nice green/red colour Extremely firm fruits High tolerance to silvering, BER and oldering spots
Weight	245 g
Plant	Strong plant with continuous setting for long cycle Open architecture for the best FQ Healthiest plant in early slot
Maturity	92 DAT**
Harvest time	Autumn and winter
Resistances	HR: Tm 0,3 <i>IR: TSWV 0 / Lt</i>



Cultivation advice

- For protected production

* Under registration ** Days after transplanting

Lake F1 | Sweet blocky white

Large calibre with TSWV resistance

- Blocky sweet white pepper
- Excellent setting under hot conditions
- High fruit quality with uniform shape and size throughout cycle
- Thick wall and heavy fruit with excellent shelf life
- Strong and healthy plant with good foliage coverage, a long cycle
- Excellent yield

Fruit	Big size with uniform shape Nice white colour Thick wall and heavy fruits with excellent LSL
Weight	225 g
Plant	Strong and healthy plant with good foliage coverage Continuous setting for a long cycle
Maturity	90 DAT*
Harvest time	Spring and summer
Resistances	HR: Xcv 3 <i>IR: TSWV 0</i>



Cultivation advice

- For open field and protected production



Cultivation advice

- For open field, as well plastic tunnels

Espartano F1 | Sweet blocky yellow

Variety for both open field and protected crops in spring-summer productions

- Large blocky yellow pepper
- Very adaptable and strong growth
- Shiny yellow, heavy fruits
- Early variety

Fruit	Large fruit size Very heavy fruits Glossy yellow colour
Weight	225 g
Plant	Good leaf coverage Early and concentrated setting
Maturity	85 DAT*
Harvest time	Spring and summer
Resistances	HR: Tm 0-2

Tractor F1 | Sweet blocky yellow

Outstanding fruit quality with the best size for export market

- Sweet yellow blocky pepper
- Strong and compact plant with size uniformity (G-GG)
- High yield potential
- Stable yellow colour
- Firm fruits with excellent long shelf life

Fruit	Light and stable yellow colour G-GG size for export market Firm fruits with excellent LSL
Weight	200 g
Plant	Best balance generation/vegetation Continuous setting in both hot and cold conditions Vigorous plant
Maturity	90 DAT*
Harvest time	Autumn and winter
Resistances	HR: Tm 0-3 <i>IR: TSWV 0</i>



Cultivation advice

- For protected production

* Days after transplanting



Mirinda F1 | Sweet blocky orange
Excellent holdability and storability in orange colour

- Sweet orange blocky overwinter productions and summer medium transplants
- Strong and compact plant with high potential yield
- Outstanding fruit quality with high uniformity in size (G-GG) and blocky shape
- Thick wall, heavy and good shelf life

Fruit	Holdability and storability Uniform G-GG fruit size Heavy and firm fruits
Weight	220 g
Plant	Continuous setting Strong and balanced plant
Maturity	91 DAT*
Harvest time	Autumn and winter
Resistances	HR: Tm 0-2 IR: TSWV 0



Cultivation advice
• For protected production

Sunakku Mikan F1 | Sweet snack
Healthy plant and high marketable yield

- Sweet snack orange pepper with uniform fruits in shape and size
- Healthy plant with good balance between generative and vegetative growth
- Short internodes, continuous setting
- Fruit has thick wall and excellent shelf life

Fruit	Very uniform fruit size/shape Glossy and cracking tolerance Firm fruits and excellent LSL
Weight	20 g
Plant	Compact plant with short internodes Healthy plant with dark and shiny leaves Continuous setting
Maturity	92 DAT*
Harvest time	Autumn and winter
Resistances	HR: Tm 0



Cultivation advice
• For protected production



Cultivation advice
• For open field, as well as plastic tunnels

Adige F1 | Sweet rectangular red
Good adaptation to different growing conditions with high yield

- Sweet rectangular red for CH in both indoor and open field productions
- Vigorous plant with medium short internodes
- Early and productive plant
- Large fruit size with heave fruits
- Fruits are smooth and shiny red colour

Fruit	Large fruit size Smooth and shiny red colour 3-4 lobs shape
Weight	280 g
Plant	Early plant Rustic plant adapted to different growing conditions High potential yield
Maturity	95 DAT*
Harvest time	Spring and summer
Resistances	HR: Tm 0



Cultivation advice
• For protected production

Sunakku Yuzu F1 | Sweet snack
The yellow snack pepper with the best colour

- Sweet yellow snack pepper with heavy fruits
- Open plant, easy to harvest reducing labour cost
- Excellent holding ability and very good shelf life
- Strong open plant with short internodes
- Thick wall fruits with high yield potential
- Stable yellow colour

Fruit	More stable yellow colour Very good hold ability and storability Thick wall with heavy fruits
Weight	20 g
Plant	Strong plant with short internodes Open plant habit Continuous setting
Maturity	90 DAT*
Harvest time	Autumn and winter
Resistances	HR: Tm 0 / PVY0

Sunakku Ichigo F1 | Sweet snack
Best compromise between yield and quality with Tm 0-2 resistance

- Good setting in cold and hot conditions
- Sweet snack red pepper with uniform sized fruits
- Outstanding marketable yield, high cracking tolerance fruit
- Strong and vigorous plant with open architecture
- Good shelf life

Fruit	Very uniform shape and size (8-10 cm) High cracking tolerance Excellent post harvest
Weight	20 g
Plant	Strong and vigorous plant Continuous flowering for better beneficial establishment Open plant architecture
Maturity	85 DAT*
Harvest time	Autumn and winter
Resistances	HR: Tm 0-2



Cultivation advice
• For protected production

Bambino F1 | Sweet pointed green
Hot setting for spring and summer production in open field

- Strong plant vigour, compact with medium long internodes
- Early hot pepper
- Fruit length 13-15 cm and diameter 2.4-2.8 cm

Fruit	Fruit uniformity Heavy fruits Nice dark and shiny green colour
Weight	145 g
Plant	Strong plant vigour Continous setting along the cycle
Maturity	80 DAT*
Harvest time	Spring and summer
Resistances	HR: Tm 0-3 / PVY 0 IR: TSWV 0



Cultivation advice
• For open field

* Days after transplanting

* Days after transplanting



Sprouting Broccoli



Mankap F1* | Capia

Best compromise between yield and fruit quality in winter

- Sweet capia pepper for indoor productions
- Strong plant with excellent cold setting and continuity
- Fruits are heavy thanks to thicker wall with excellent holding ability and storability
- Very good shelf life
- Shiny and deep red colour in mature stage with smooth skin

Fruit	Heavy and big fruits Very good and uniform presentation Thick wall with high holding ability and storability: LSL
Weight	135 g
Plant	Strong and healthy plant Cold setting ability High continuity along cycle
Maturity	92 DAT**
Harvest time	Autumn and winter
Resistances	HR: Tm 0 IR: TSWV 0



Cultivation advice

- For protected production
- Later transplants in September and October are recommended



Cultivation advice

- For protected production

Black Bullet F1 | Hot jalapeno

Best fruit presentation with highest pungency in cold conditions

- Quite generative plant in both hot and cold conditions for a long productivity cycle
- Maintains high pungency even in cold conditions
- Dark green fruit with very glassy colour
- Good shelf life and excellent yield

Fruit	Dark green, shiny and uniform, outstanding presentation Very thick wall and excellent LSL High cracking tolerance
Weight	30 g
Plant	Very generative plant Strong plant vigour with short internodes
Maturity	90 DAT**
Harvest time	Autumn and winter
Resistances	HR: Tm 0,2 IR: TSWV 0

Mojave F1 | Hot jalapeno

Best fruit presentation with highest pungency in cold conditions

- Very generative plant with high potential yield
- Fruits are green in immature stage and red in mature stage
- Maintains high pungency even in cold conditions

Fruit	Very thick wall and excellent LSL Very uniform shape/size along cycle Keep pungency in cold conditions
Weight	25 g
Plant	Very generative plant Strong plant vigour Good leaf coverage protecting fruits from sunburn
Maturity	85 DAT**
Harvest time	Spring and summer
Resistances	HR: Tm 0,1-2



Cultivation advice

- For open field, as well plastic tunnels

Tyrian F1* | Early summer and summer

Deep purple spears with excellent flavour

- Deep purple stems and beads
- Excellent flavour and texture
- Unique combination of purple beads and stems
- Good vigour and better for earlier production than Burgundy (BJ)

Fruit	Deep purple colour Excellent flavour & texture High yield potential
Plant	Erect bush habit
Maturity	70-80 DAT**
Harvest time	Spring, summer, autumn



Cultivation advice

- 35-37,000/Ha
- Standard Brassica growing land, rich and fertile
- Safe to overwintered in modules
- Open field production



* Under registration ** Days after transplanting

* Under registration ** Days after transplanting

Radish

RAD03000 F1 | Red round

Summer type radish adapted for Fresh or Slicing

- Consistent round shape
- Tolerant to cracking and pithiness
- Glossy scarlet red exterior

Fruit	Large root shape Scarlet red external colour Brilliant white internal colour
Plant	Medium top height Tolerant to cracking Tolerant to pithiness



For
Trial

Misato Red* | Daikon

Red round radish from Asia with a sweet taste

- Juicy and sweet tasting radish
- Suited to fresh conventional and organic market (OP)

Fruit	Nice attractive colour Crispy and mild taste
Size	10 cm diameter
Plant	Tolerant to premature bolting Medium to late pithiness
Maturity	60 days after sowing
Harvest time	Recommended for autumn production in temperate areas



New



Cultivation advice

- Should be sown with slightly larger space due to the strong foliage

Snowbird F1 | Daikon

Excellent resistance to bolting

- Perfect shape with long and pure white root
- Excellent resistance to bolting
- Vigorous and thick root
- Tolerant to verticillium in field conditions

Fruit	Vigorous and thick root Bright white colour Strong against verticillium in field conditions
Size	30-40 cm
Plant	Strong healthy foliage
Maturity	60 days after sowing
Harvest time	Suited to earliest sowings starting in March under cover



Misato Rose Flesh | Daikon

The watermelon radish: green outside and glossy purple red inside

- Original product from Asia
- Suited to fresh conventional and organic market (OP)
- Sweet and tender flesh

Fruit	Green neck colour Red pink internal colour Good harvest stage start (tennis ball size)
Size	10-15 cm diameter
Plant	Good uniformity
Maturity	60-65 days after sowing
Harvest time	For summer and autumn harvest

Mino Summer Cross F1 | Daikon

Hybrid with heat tolerance

- Very white, uniform and smooth skinned roots
- | | |
|---------------------|---|
| Fruit | Vigorous roots that thicken quickly |
| Size | 40-50 cm |
| Plant | Vigorous foliage |
| Maturity | 45-50 days after sowing |
| Harvest time | Suitable for summer sowing in temperate areas |
| Resistances | HR: For |



Cultivation advice

- Requires deep fertile soils

Crunchy King F1 | Red round

Highly uniform, flexibility

- Excellent uniformity
- Attractive radish with shiny red colour and perfect round shape

Fruit	Round shape Scarlet red colour with brilliant white interior Excellent uniformity High packout, multi purpose
Plant	Slow to develop pithiness Medium leaf size Medium tops
Maturity	25-30 days from sowing
Harvest time	Flexible with good adaptation for spring, summer and autumn production



* Under registration



Crunchy Royale F1 | Red round
Particularly adapted to cool conditions

- Dark red round radish
- Ideal for bunching or cello pack
- High pack-out rate for growers
- Excellent internal and external colour

Fruit	High root quality and very good uniformity Round dark red root
Plant	Grows well under cool conditions Tolerant to pith Vigorous top leaves of 10 cm
Maturity	25-30 days from sowing
Harvest time	For cooler conditions



Spinach



Apollo F1 | European
Widely adaptable variety

- Mid-early variety for spring and autumn sowing
- Dark green colour, oval to round shape leaf
- High yield
- Suitable for Fresh Market and Processing

Leaves	Strong against extreme weather conditions Upright leaves
Maturity	Sowing: 8/3-25/5 and 1/7-25/8
Resistances	HR: Pe 1-9, 11-16, 18, 19



Helios F1 | European
Baby leaf variety excellent for summer use

- Very good field durability and shelf life after harvesting
- Slow to moderate growth speed
- Suitable for baby leaf production

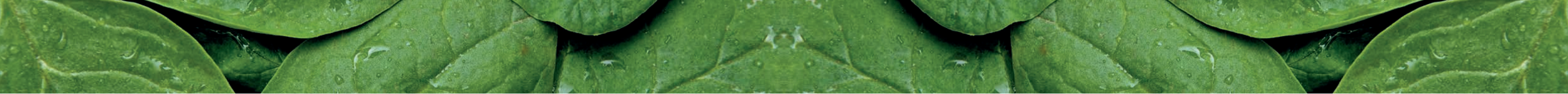
Leaves	Very dark colour and thick leaves Upright smooth leaves
Maturity	Sowing: 15/4-25/8
Resistances	HR: Pe 1-9, 11-16, 18, 19

Peridot F1 | European
Full resistance package to Pe. 1-19

- Beautiful dark green colour leaves
- Upright plant habit for easier harvest

Leaves	Dark and smooth baby leaves Round to oval leaf shape Uniform leaf size and shape
Maturity	25-35 days after sowing for baby leaves
Resistances	HR: Pe 1 - 19





Jaspe F1 | European
Full resistance package to **Pe. 1-19**

- Outstanding dark green colour leaves

Leaves	Very dark and smooth baby leaves Round to oval leaf shape Uniform leaf size and shape
Maturity	25-35 days after sowing for baby leaves
Resistances	HR: Pe 1 - 19



Soyuz F1 | European
Perfectly round shaped leaves

- Upright plant habit
- Very uniform
- Suitable for baby leaf production
- Slow to moderate growing speed

Leaves	Dark green colour Smooth leaves Strong against extreme weather conditions
Maturity	Sowing: 8/3-25/5 and 1/7-25/8
Resistances	HR: Pe 1-12, 14-16, 19



Cultivation advice
• For spring and autumn cultivation

Sputnik F1 | European
A medium fast variety with dark leaves

- Upright plant habit
- Suitable for baby leaf production

Leaves	Thick dark green leaves Smooth and spade shape leaves
Maturity	Sowing: 15/2-25/5 and 8/7-15/9
Resistances	HR: Pe: 1-12, 14-16, 19

Hyperion F1 | European
Extremely uniform leaf shape

- Outstanding uniformity
- Excellent complement to Helios because of its growth speed and disease resistance
- Moderate vigour with upright plant habit for easy harvest

Leaves	Dark green Upright, thick and oval leaves
Maturity	25-35 days after sowing for baby leaves
Resistances	HR: Pe: 1-12, 14-16, 19



Cultivation advice
• Suitable for early and late drilling in Northern European countries and for autumn-winter drilling in the South of Europe

Alexandra F1 | European
Fast growing variety

- Suitable for baby leaf, bunching and Fresh Market
- Fast growing variety

Leaves	Dark green colour leaves with upright habit Spade shape and smooth leaves
Resistances	HR: Pe. 1-11, 13, 15

Yoshi F1 | European
Versatile variety

- Suitable for baby leaf, bunching and Fresh Market
- Fast growing variety

Leaves	Medium green colour leaves with upright habit and great uniformity Spade-shaped and smooth leaves
Resistances	HR: Pe. 1-11, 13, 15, 16



Cultivation advice
• Suitable for early and late drilling in Northern European countries and for autumn-winter drilling in the South of Europe

SPW21001 | European

High bolting tolerance and full resistance to all mildew races

- Fast growing baby leaf variety
- Upright plant habit and round-oval leaves
- Strong bolting resistant (same as Helios)
- All regions, all seasons, very adaptable

Leaves | Semi-savoy and dark green leaves
Thick leaves, very uniform in shape and size

Maturity | Sowing: 15/4-25/8

Resistances | HR: Pe. 1-19

For
Trial



Cultivation advice

- For full summer production at high Northern European latitudes

For
Trial



SPW21002 | European

Full resistance to all mildew races

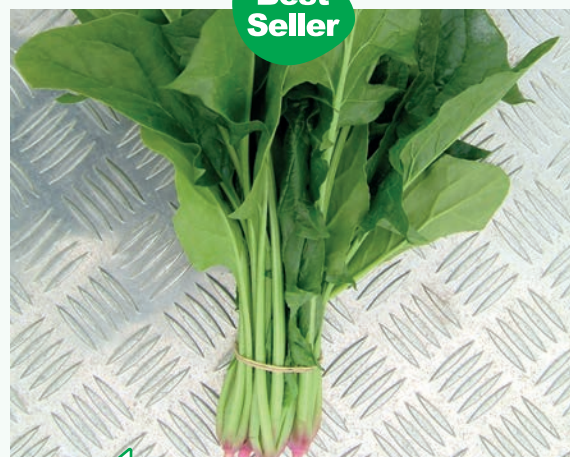
- Fast growing baby leaf variety with semi-savoy dark green leaves
- Winter-spring and autumn for Southern Europe
- Shoulders for Northern Europe

Leaves | Medium thick leaves, very uniform in shape and size
Upright plant habit and round-oval leaves

Maturity | Sowing: 8/3-25/5 and 1/7-25/8

Resistances | HR: Pe. 1-19

Best
Seller



Cultivation advice

- For full summer production at high Northern European latitudes

Mikado F1 | Oriental

Highest bolting resistance variety on the market

- A unique Oriental spinach
- Allows full continuity throughout the season for the bunched
- High resistance to early bolting

Leaves | Dark green and glossy leaves
Strong pink root colour
Multiple sideshoots that provide a good yield

Resistances | HR: Pe 1-4, 15

Athos F1 | Oriental

Suited to bunching and Fresh Markets

- A spring/summer dark green leaved hybrid with good vigour
- Medium late variety
- Very tolerant to heat

Leaves | Thick, erect leaves with a medium round shape

Resistances | HR: Pe. 1-9, 11-15



Cultivation advice

- Suitable for fresh bunches and baby leaf production

Artemis F1 | Oriental

Suited to bunching and Fresh Markets

- Medium late variety
- Very tolerant to heat

Leaves | Thick, erect leaves with a medium round shape
A spring/summer dark green leaved hybrid with good vigour

Resistances | HR: Pe 1-9, 11-16, 18, 19

Koto F1 | Oriental

Pure oriental spinach type

- Erect habit and dark leaf colour

Leaves | Pointed oriental spinach producing slightly indented
leaves with pointed tips
Bright green colour and waxy leaves

Resistances | HR: Pe 1-4



Cultivation advice

- For spring and autumn maturing slots
- Performs well for winter production in Southern Europe or in greenhouses

Squash

Barbara F1 | Butternut

The Sakata tropical butternut for diversification

- Double consumption possibility in mature or baby fruit
- Outstanding internal quality
- Dark orange flesh colour

Fruit	Cylindrical with slight bulbous Blossom end Dark orange flesh colour
Plant	Vigorous Semi bush Plasticity to different climate



Ariel F1 | Butternut

Perfect uniformity for Fresh Market

- High and uniform production
- Very good shelf life
- Uniform size for Fresh Market
- Vigorous plant for high resistance

Fruit	Cylindrical with slight bulbous, blossom end Tan skin colour Deep orange flesh colour Uniform fruit size Cracking resistance
Weight	0.8 to 1.5 kg
Plant	Vigorous Full vine Plasticity to different climate
Resistances	IR: Px



Veenas F1 | Butternut

Sakata's small size butternut

- High and uniform production
- Good internal quality for long shelf life
- Plasticity to different growing region
- Cracking tolerance

Fruit	Short cylindrical neck with bulbous, blossom end Deep orange and firm flesh colour Excellent flavour
Weight	0.6-1.2 kg
Plant	Vigorous Full vine Acclimate to several regions
Resistances	IR: Px



Pluto F1 | Butternut

The market reference

- High and uniform production
- Good internal quality for long shelf life
- Export, industry, Fresh Market, the perfect calibre
- Plasticity to different growing region
- Cracking tolerance

Fruit	Cylindrical neck with bulbous, blossom end Deep orange and firm flesh colour
Weight	1-1.5 kg
Plant	Vigorous Full vine Acclimate to several regions
Resistances	IR: Px

Mieluna F1* | Butternut

The quality in early maturity

- Early maturity
- High productivity
- Good plasticity for cooler conditions
- High internal quality
- Good shelf life

Fruit	Peanut shape Tan skin colour Dark orange flesh colour Uniform calibre Cracking resistance High dry matter
Weight	1.2-1.7 kg (enlarge the size because with the differnet growing location the fruit can be bigger)
Plant	Medium vigour Full vine Early maturity
Resistances	IR: Px



Atlas F1 | Butternut

Industry market reference

- High and uniform production
- Good internal quality for long shelf life
- Plasticity to different growing region

Fruit	Long neck with bulbous, blossom end Deep orange and firm flesh colour
Weight	2-3 kg
Plant	Vigorous Full vine Acclimate to several region



* Under registration



Titan F1 | Butternut
A special butternut for industry

- High productivity
- Uniform size which can fit for industry
- Good internal quality

Fruit	American type Dark orange flesh Uniform fruit size Cracking resistance
Weight	3.5-4.5 kg
Plant	Vigorous Full vine for more yield
Resistances	IR: Px



Flynn F1 | Halloween pumpkin
An incredible burnt orange to brighten up Halloween

- Rough skin texture
- Semi trailing plant
- Long and dark handle
- Very attractive fruit presentation

Fruit	Burnt orange skin Medium deep ribbing Round
Weight	3-4 kg
Plant	Trailing plant



Eruptor F1* | Halloween pumpkin
Special carving

- Intermediate Px resistance
- Large size easy to carve
- Round elongated shape
- Deep burnt Orange fruit

Fruit	Deep burnt orange skin Medium ribbing Round elongated shape
Weight	4.5 to 6 kg
Plant	Trailing plant



Terrafin F1 | Halloween pumpkin
Perfect skin and easy to carve

- Very strong black handle easy to transport
- Strong skin easy to carve
- Dark orange medium deep ribbing
- Very high yield

Fruit	Dark orange skin Medium deep ribbing Round
Weight	3.5-4.5 kg
Plant	Trailing plant

Spyro F1 | Halloween pumpkin
The small and cute Halloween pumpkin

- Strong handle easy to pick for everyone
- High productivity with uniform fruits
- Deep orange fruit slightly ridged
- Precocity

Fruit	Round shape Medium ribbing Deep orange
Weight	1.5-2 kg
Plant	Semi trailing plant
Resistances	IR: Px



Boomer F1 | Halloween pumpkin
Perfect size for Jack-o'-lantern

- Intermediate Px resistance
- Large size easy to carve
- Deep burnt orange fruit, ridged

Fruit	Deep burnt orange skin Medium ribbing Round flat
Weight	4.5-6 kg
Plant	Trailing plant
Resistances	IR: Px



* Under registration

* Under registration



Lucinda F1* | Green kabocha
Sweet green Kabocha

- Excellent shelf life
- High Starch content induce high sugar content during storage
- Good productivity

Fruit	Flat round shape High starch content Orange flesh colour Medium seed cavity
Plant	Vining plant Productive



Colinky F1 | Hokkaido
High productivity and high fruit quality

- High productivity
- Uniform fruit production standard size
- Traditional Hokkaido shape

Fruit	Fruit bright dark orange Excellent fruit taste, with large inside flesh Good sugar content Traditional shape Heavy and dense fruits
Weight	1.5 kg
Plant	Vigorous Full vine for more yield

Crown Prince F1 | Winter squash
Reference grey pumpkin

- Very long shelf life
- Vigorous and resistant plant
- Good taste
- Ideal flesh yellow orange

Fruit	Grey skin colour Dark orange flesh colour Strong skin
Weight	3-4 kg
Plant	Vigorous vine Resistant to hard conditions



SQ220002* | Winter squash
Special for microwave cooking

- Excellent yield
- Innovative cooking way
- This winter squash with its attractive colours will create a surprise to the consumers
- The innovative and easy way to cook by microwave, will deliver entire satisfaction to the consumers in terms of taste, but also will let free the creativity

Fruit	Yellow background with orange ridge Attractive fruit presentation and excellent taste Flat round shape
Weight	350 gr
Plant	Trailing plant



For Trial

Cultivation advice

- Recipe
- Cut the top from the fruit and reuse as a lid when cooking.
 - Remove the seeds
 - Fill with whatever you like inside
 - Cook 4 minutes in microwave



Primavera F1 | Squash spaghetti
Productivity for a uniform spaghetti squash

- High-yielding hybrid
- Excellent uniformity in size and shape
- Nice canary yellow skin colour at maturity
- 12000 plants per hectare
- 90 days maturity
- Storage 12°C shade

Fruit	Yellow canary skin colour Flesh light yellow
Weight	1.5-2 kg
Plant	Medium vigour Bush plant

Aldente F1* | Squash spaghetti
Round spaghetti, perfect portion for Fresh Market

- High productivity
- Perfect for supermarket shelf
- Good shelf life

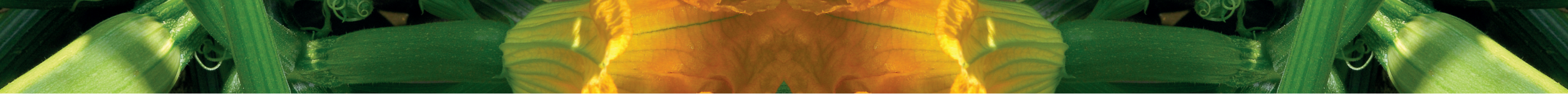
Fruit	Round shape Bright tellow very attractive Good injured tolerance
Weight	1-1.5 kg
Plant	Vining Enough powerful to have several setting



New

* Under registration

* Under registration



Lemona F1 | Yellow zucchini

The shiny golden zucchini

- High continuous productivity
- Very shiny yellow fruit
- Strong plant

Fruit	Cylindrical shape Bright yellow skin colour
Plant	Vigorous Open plant with short internodes Semi erect plant habit



Routpower F1 | Rootstock

Disease resistance, uniformity and fruit quality

- Guaranteed production and high level of internal quality, advantageous for the nursery
- Numerous sanitary seed lot controls (including BFB*) and total traceability
- High percentage of germination with quick and uniform emergence

Plant	Excellent scarification whatever the grafting methods to supply perfect young plants Strong root system in the field
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Resistances | HR: Fon 0, 1, 2 - Foc 0,1,2 - Fom 0,1,2



Cultivation advice

- Suitable for grafting with cucumbers, squash and melons
- Stronger plant in stressed conditions (cold/wind/hot temperature)

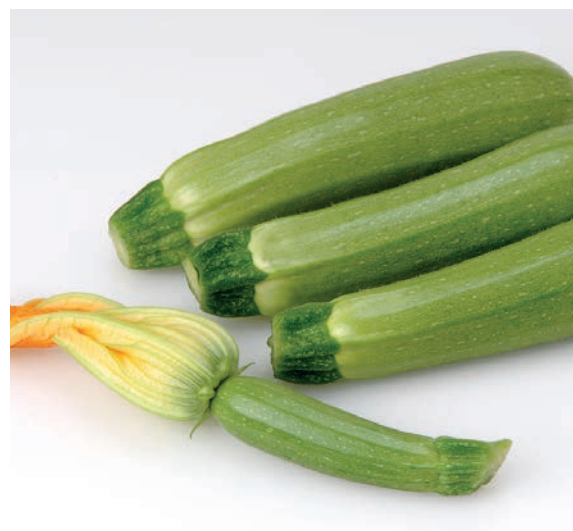


Ascona F1 | Dark green zucchini

Productivity, quality, uniformity

- From the beginning to the end, impressive fruit quality
- High commercial productivity
- Large disease package
- Precocity

Fruit	Cylindrical, dark green colour Keeps the glossiness Good shelf life
Plant	Very open plant, easy to harvest Semi-erect with short internodes
Resistances	IR: ZYMV / WMV / PRSV / Px / CMV



Suha F1 | White zucchini

Ideal fruit quality

- Balanced plant
- High percentage first class fruits
- Attractive fruit

Fruit	Cylindrical shape Medium green skin colour Good fruit quality
Plant	Medium vigour Semi-erect and open plant Short internodes
Resistances	IR: ZYMV / WMV / PRSV



* Under registration ** Days after transplanting

Swiss Chard

Fire Fresh F1 | Redstem

Quality leaves with Cercospora resistance

- Our fastest variety suitable for the whole season
- Outstanding yield
- Strong vigour and health that make the variety suited to both conventional and organic production

Leaves	Dark red petiole Dark green and glossy leaves Upright habit Thick leaves with multiple sideshoots that provide high yields
Maturity	25-35 days after sowing for baby leaves
Resistances	HR: Cb IR: Pfb



Rhubarb Chard | Redstem

Standard Swiss Chard variety

- The classic swiss chard
- Suitable for baby leaf, home garden and Fresh Market

Maturity	28-42 days cycle depending on sowing time
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Cultivation advice

- Suitable for spring, summer and early autumn production

Best Seller



Cultivation advice

- Suitable for all-season production
- Well adapted for organic production

Bull's Blood-Scarletta | Bull's blood

Vibrant red colour for the baby leaf pack

- Excellent deep red leaf and petiole colour
- Add intense red colour leaves to the baby leaf pack

Leaves	Dark red colour Vigorous plant
Maturity	25-35 days after sowing for baby leaves



Cultivation advice

- Ideal for baby leaf production
- Suitable for the whole season in the Northern European countries, performs best in spring and autumn

Seren F1 | Redstem

Quality in the early season slot

- Our darkest green coloured variety
- Suitable for the early season
- Dark red petiole that contrast with dark green and glossy leaves
- Upright habit

Leaves	Thick leaves that provide good yields High uniform leaves with improved performance across the season
Maturity	25-35 days after sowing for baby leaves



Cultivation advice

- Uniform yield of all colours, both baby leaf and mature harvest

Celebration F1 | Others

Multiple colours from one seed

- One seed gives multiple colours of petiole
- Vivid leaf contrast to petiole colour
- Single variety means uniform in the field

Leaves	Multi coloured petiole variety 40% red, 40% yellow and 20% orange Upright habit and uniform in the field Excellent for bunching market Moderate tolerance to bolting
Maturity	55-70 days cycle depending on sowing time

Peppermint | Others

Unique pink colour

- Vivid leaf contrast to petiole colour
- Excellent for bunching and processing
- Bright pink petiole

Leaves	Bright green colour and waxy leaves Upright habit and uniform in the field White and pink colour petiole Moderate tolerance to bolting
Maturity	25-35 days after sowing for baby leaves 55-70 days after sowing for mature leaves



New

Tomato

Indeterminate pink salad

Fuji Pink F1

Outstanding fruit taste

- Outstanding fruit taste and quality
- Early maturity
- Good pink colour
- Strong vigour

Fruit	Excellent taste Very good colour and firmness Light green shoulders
Weight	180-220 g
Plant	Strong vigour Good plant vigour to the end of crop Sensitive to nitrogen applications
Resistances	HR: ToMV:0-2/Pf:A-E/Fol:0,1/Ss/Vd:0 IR: Mi



Cultivation advice

- Sensitive to high nitrogen applications

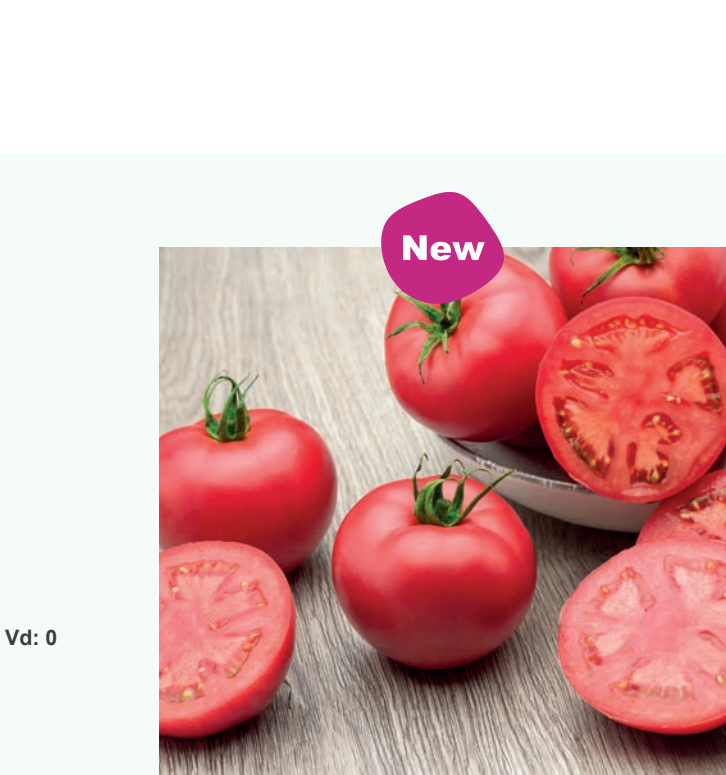


Oriental Magic F1

Taste with TY IR

- Good disease resistance package
- Excellent fruit set
- Very good fruit quality with taste

Fruit	Early fruit maturity Excellent firmness
Weight	210-230 g
Plant	Medium high plant vigour Medium long internode
Resistances	HR: ToMV:0-2/Fol:0,1/For/Pf:A-E/Ss/Vd:0 IR: TYLCV/Mi



Oriental Kiss F1

Taste with TY IR, excellent firmness

- Good disease resistance package including TYLCV IR
- Excellent fruit set
- Very good fruit quality with taste

Fruit	Early fruit maturity Excellent firmness
Weight	220 g
Plant	Medium high plant vigour Medium long internode Small leaves
Resistances	HR: ToMV: 0-2 / Fol: 0, 1 / For / Pf: A-E / Ss / Vd: 0 IR: TYLCV / Mi



Indeterminate pink salad

Oriental Dream F1

For hydroponic cultivation

- Good pink flavour and taste
- Good fruit set
- Very good fruit quality

Fruit	Early maturity Very good firmness
Weight	230 g
Plant	Medium plant vigour Balanced plant habit Middle long internodes
Resistances	HR: ToMV:0-2/Pf:A-E/For/Vd:0/Fol:0,1 IR: TYLCV



Oriental Rise F1

Pink salad for hydroponic cultivation

- Early maturity
- Good pink flavour and taste
- Good fruit set
- Very good fruit quality

Fruit	Early maturity Very good firmness
Weight	240 g
Plant	Strong plant vigour Balanced plant habit Little long internodes
Resistances	HR: ToMV:0-2/Pf:A-E/For/Fol:0,1/Ss/Vd:0 IR: TYLCV/Mi



Pink Dream F1

Pink salad with intermediate resistance to TYLCV and Mi

- Good growing under cold condition
- Suitable for plastic tunnel production

Fruit	Round shape Good cracking tolerance Excellent taste and flavour
Weight	220-240 g
Plant	Medium plant vigour Tall plant with medium internodes Small leaf size
Resistances	HR: ToMV:0-2/Pf:A-E/Fol:0,1/Ss/Vd:0 IR: TYLCV/Mi

Cultivation advice

- Suitable for plastic tunnel production

Indeterminate pink salad

Pink Impression F1

Excellent fruit size and uniformity

- Large fruit with excellent taste
- Outstanding fruit set and uniformity
- Medium-early maturity

Fruit		Pink colour, round flat shape
Weight		200-220 g
Plant		Good plant vigour
Resistances		HR: ToMV:0/Pf:A-E/Fol:0/Vd:0 IR: Mi



New



Cultivation advice

- Avoid transplanting in hot conditions to prevent physiological disorders on fruits

Pink Wand F1

Parthenocarpic and earliness

- Parthenocarpic variety
- No pollination, less work and less cost
- Very early maturity
- Very good fruit quality

Fruit		Excellent taste Very good firmness Better to avoid transplanting in hot condition
Weight		180-200 g
Plant		Medium plant vigour Medium long internodes Slightly small leaf size
Resistances		HR: ToMV:0-2/Vd:0/Fol:0,1/Pf:A-E/Ss/For IR: Mi

Indeterminate specialty

Mini Star F1 | Mini plum red loose

Exceptional flavour

- Excellent adaptation to over-winter productions
- Very good firmness and shelf life
- Good taste and Brix

Fruit		Bright red colour Nice bite
Weight		10-12 g
Plant		Medium plant vigour Perfect for short cycle in mid and low tech greenhouses Compact and generative plants to be grafted on extra vigour rootstock for long crops
Resistances		HR: ToMV:0-2/Pf:A-E/Fol:0 IR: Ss



Cultivation advice

- To be grafted on extra vigour rootstock for long crops

Indeterminate specialty

Rising Star F1* | Mini plum red loose

Premium taste

- Delicious taste with high stable brix and good bite
- Good shelf life
- High yield thanks to cluster splitting

Fruit		Elongated mini plum with light dimples Good red colour Requires cluster pruning
Weight		10-12 g
Plant		Strong generative plant, half open long branched clusters Strong rootstock recommended
Resistances		HR: ToMV:0,1/Fol:0/For/Pf:A-E IR: Ss

New



Cultivation advice

- Requires cluster pruning

Scarlet Star F1 | Mini plum red loose

Excellent yield with very good flavour

- Recommended for Northern Europe High-Tech glasshouses
- Excellent yielder, strong truss splitting (loose harvest)
- Very nice taste and bite

Fruit		Elongated fruits Nice red colour High brix, good bite, good shelf life Cluster splitting require pruning 10 g fruit size
Weight		10 g
Plant		Good plant vigour, full canopy A generative steering will provide high returns Use medium strong rootstock
Resistances		HR: ToMV:0,1/Pf:A-E/For IR: Mi/Ss



Bellastar F1 | Mini plum red loose

Quite generative plant with outstanding yield potential

- Excellent yield
- Early maturity
- Good taste and flavour
- Good Brix level

Fruit		Nice red colour Slightly necked mini plum
Weight		12-15 g
Plant		Balanced and open plant To be grafted on extra-vigour rootstock
Resistances		HR: ToMV:0-2/Fol:0/Pf:A-E IR: Mi



Cultivation advice

- To be grafted on an extra-vigour rootstock

* Under registration

Indeterminate specialty

Chocostar F1 | Mini plum brown loose
For premium brand single pick and mixed pack with good ToBRFV tolerance

- Good long cycle results in heated glasshouse
- Excellent taste and very good bite
- Attractive colour
- Good tolerance to cracking

Fruit	High Brix Excellent taste, good firmness Very good skin
Weight	10-12 g
Plant	Good vigour Dark leaves Very good behaviour under artificial light
Resistances	HR: ToMV:0-2/Fol:0/Ss <i>IR: ToBRFV/Mi</i>



Cultivation advice

- Good long cycle results in heated glasshouse



Lemonstar F1 | Mini plum yellow loose
Excellent taste and high yield with good ToBRFV tolerance

- Very nice stable lemon colour
- Excellent taste
- Strong plant vigour

Fruit	Blocky shape, very stable lemon colour even during high light conditions Excellent taste and flavour all along the season Good tolerance to cracking
Weight	12-14 g
Plant	Good plant vigour for long cycle Use medium strong rootstock
Resistances	HR: ToMV:0-2/Fol:0/Pf:A-E <i>IR: ToBRFV/Ss</i>

Luciestar F1 | Mini plum yellow loose
Ideal yellow mini plum with good ToBRFV tolerance

- Very easy to grow
- Excellent yielder
- Great taste

Fruit	Very tasty bright yellow fruits Elongated shape Good resistance to cracking
Weight	12-14 g
Plant	Strong plant Easy to grow Long branched clusters
Resistances	HR: ToMV:0-2/Fol:0/Pf:A-E <i>IR: ToBRFV</i>

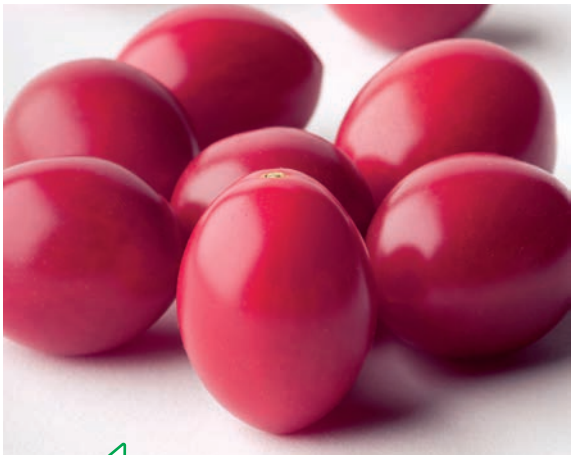


Indeterminate specialty

Kinkanstar F1 | Mini plum orange loose
The perfect orange touch in a mix pack

- Ideal for coloured mixes
- Good yield and easy to pick (no fruit drop)

Fruit	Bright orange colour with nice taste Elongated fruits with light dimples Mostly single clusters (18-20 fruits)
Weight	10-11 g
Plant	Strong compact plant with generative habit Dark green horizontal leaves Use strong rootstock
Resistances	HR: ToMV:0-2/Fol:0/Ss/Vd:0



Rozestar F1 | Mini plum pink loose
Unique colour and taste

- Unique product for specialty market

Fruit	Glossy pink colour Excellent fruit quality
Weight	12-14 g
Plant	Medium internodes Vigorous plant For long heated crops in cold to hot to cold slots
Resistances	HR: ToMV:0,1/Pf:A-E/Fol:0/For <i>IR: Mi</i>

Cultivation advice

- For long heated crops in cold to hot to cold slots (long cycle cropping)

Sweet Million F1 | Cherry red loose
Very nice red cherry for hobby market

- Cherry red for loose harvest
- Very early variety
- Excellent fruit setting ability

Fruit	Round red, glossy colour Excellent taste with high Brix
Weight	10-15 g
Plant	Very good plant vigour Long internodes
Resistances	HR: ToMV:0,1/Fol:0



Indeterminate specialty

Sweet Ball F1 | Cherry red loose
Very early maturity and high yielder

- Cherry red for loose harvest
- Very early maturity
- High yielder
- Intermediate resistance to TYLCV

Fruit	Good Brix and taste Bright red colour Very good shelf life for export market Light green shoulders
Weight	14-16 g
Plant	Very good plant vigour and cold tolerance
Resistances	HR: ToMV:0-2/Pf:A-E/Fol:0,1 IR: TYLCV



Gourmelito F1 | Cherry red on the vine
Cherry tomato on the vine for hobby market

- Round with light green shoulders
- Bright red colour
- Good taste (Brix and flavour)

Fruit	Bright red colour with light green shoulders Good taste and Brix Twin trusses (double) with 8-10 fruits
Weight	16-20 g
Plant	Medium plant vigour Compact with short internodes Focus on hobby for short crops in cold to hot slots in North Europe
Resistances	HR: ToMV:0-2/Fol:0,1/Pf:A-E/Ss IR: Mi

Indeterminate specialty

Royalstar F1 | Cherry orange on the vine
Ideal yellow mini plum with good ToBRFV tolerance

- Excellent truss for tomatoes on the vine
- Glossy orange colour
- Unique product for premium brands on specialty market
- Excellent fruit quality and taste
- Strong tolerance against cracking

Fruit	Glossy orange colour High brix and excellent taste Good cracking tolerance
Weight	12-15 g
Plant	Excellent plant vigour Easy to manage and quite generative Medium internodes For long heated crops
Resistances	HR: ToMV: 0,1 / Fol: 0 / Pf: A-E / For / Ss IR: ToBRFV/Mi



Delicacy F1 | Cocktail red plum loose
High yielder with resistance to Cladosporium

- Very early variety
- Very good flavour
- Good firmness

Fruit	Dark red elongated with light green shoulders Good flavour and high Brix Good firmness and shelf life
Weight	20-25 g
Plant	Medium to strong vigour
Resistances	HR: ToMV:0-2/Fol:0,1/Pf:A-E IR: Ss

Oranjestar F1 | Cherry orange loose
Excellent cracking tolerance

- Cherry orange for loose and truss harvest
- Bright orange colour
- Unique product for specialty market

Fruit	Excellent fruit quality and taste Nice and appealing glossy orange colour High Brix Excellent cracking tolerance
Weight	15-16 g
Plant	Good plant vigour Medium internodes For long heated crops in cold to hot to cold slots
Resistances	HR: ToMV:0,1/Fol:0/Pf:A-E/For/Ss IR: Mi



Cultivation advice

- For glasshouse heated crops in cold to hot to cold slots

Rhianna F1 | Cocktail pink loose
Unique colour with excellent flavour for specialty market

- Very good plant vigour
- For loose harvest
- Bright pink colour
- Excellent taste

Fruit	Excellent taste (good sugar/acid ratio) Bright pink colour Uniform green shoulder
Weight	20-25 g
Plant	Very vigorous crop Generate steering needed during entire cycle
Resistances	HR: ToMV:0,1/Fol:0,1/Vd:0/Pf:A-E/For/Ss IR: Mi



Cultivation advice

- Generative steering needed during entire cycle

Indeterminate red cluster

Side F1

Truss Elegance

- Cluster tomato
- Plant with medium to strong vigour
- Excellent LSL and good green parts

Fruit	Round fruits, very smooth Bright Red Colour
Weight	110-130 g
Plant	Clusters with 6 to 8 fruits Short internodes Uniform green shoulders
Resistances	HR: ToMV:0,1,2/Vd:0/Fol:0,1



Indeterminate red saladette

New



Miko F1

Excellent fruit quality & uniformity

- Medium-early maturity
- Fruit quality: colour and LSL
- Excellent fruit uniformity
- TSWV (IR)
- Focus on cold to hot slots

Fruit	Round shape, slightly ribbed Very good red colour Excellent fruit uniformity on shape and size Outstanding firmness and LSL
Weight	200-230 g
Plant	Good plant vigour Compact plant with short internodes
Resistances	HR: ToMV: 0-2 / Fol: 0, 1 / Pf: A-E / Vd: 0 IR: TSWV

Indeterminate red salad

Oceano F1

Outstanding high commercial yield. Resistant to Pf:A-E
Intermediate Resistance to TSWV

- Indeterminate Saladette with good plant vigour
- Focus on short crops (both CH and HC) in plastic tunnel and open field production
- Excellent fruit setting

Fruit	Long blocky shape Could be harvested at breaking colour stage (nice apple green colour before maturity) Outstanding red colour, good firmness, and shelf life
Weight	120-150 g
Plant	Medium plant vigour Recommended to be grafted on medium vigour rootstock like Auroch F1 and Sequoia F1 Excellent yielder and very good disease resistance package
Resistances	HR: ToMV:0-2/Fol:0-2/Vd:0/Pf:A-E IR: TYLCV/TSWV



Rootstock

Sequoia F1

For long crops in strong scions in areas with Fol: 2 problems

- Excellent and uniform germination
- High usable plugs
- Very easy to graft
- Inter-specific with medium vigour for strong scions in areas with Fol:2 problems (F3R in USA and Mexico)

Plant	Inter-specific rootstock with medium vigour Stem with big diameter Medium internodes
Resistances	HR: ToMV: 0,1,2 / Vd:0 / Fol:0,1,2 / For IR: PI / Mi



Auroch F1

For long crops and strong scions in Mediterranean areas
and all slots for medium and short crops (up to 12-14 clusters
per stem)

- Good germination
- High usable plugs
- Easy to graft
- Interspecific with medium vigour for strong scions

Plant	Interspecific rootstock with medium vigour Stem with big diameter Medium-short internodes
Resistances	HR: ToMV:0-2/Vd:0/Fol:0,1/Pf:A-E/For IR: PI/Mi

Ficus F1

Extra vigour rootstock for long crops, resistant to Fol:0,1,2 and
excellent results in areas with high EC (on soil and/or water)

- Extra vigour rootstock for long crops in both hot to cold to hot and cold to hot to cold slots
- Excellent regrowth capacity after short/cold days in the middle of the season on hot to cold to hot slots (in Mediterranean)
- Outstanding results in areas where strong rootstock development is required (high EC on water/soil)
- Increasing yield potential (more fruits with bigger size especially in the second part of the season)
- Resistant to Fol:2 (F3R in USA)

Plant	Inter-specific rootstock with extra vigour Stem with big diameter, very easy to graft Producing plant with strong vigor and medium-short internodes Can be grown in soil and soilless (hydroponic) crops
Resistances	HR: ToMV:0,1,2/Vd:0/Fol:0,1,2 (F3R in USA) / For IR: PI/Mi





Rootstock

Giant Sequoia F1

Extra vigour rootstock for long crops, resistant to Fol:0,1,2. Excellent results in areas where strong rootstock development is required

- Extra vigour rootstock for long crops (up to 30 clusters)
- Excellent regrowth capacity after short/cold days in the middle of the season on hot to cold to hot slots (in Mediterranean)
- Outstanding results in areas where strong rootstock development is required (high EC on soil or water, areas with orobanche problems...)
- Increasing yield potential (more fruits with bigger size especially in the second part of the season)
- Resistant to Fol:2 (F3R in USA)

Plant | Inter-specific rootstock with extra vigour
Stem with big diameter, very easy to graft
Producing plant with strong vigor
On scions main focus on specialties and cluster varieties where strong vigour is requested, and other segments in areas with high EC levels on soil and/or water
Good adaptation in areas with orobanche problems (where strong root system development is needed)
Can be grown in soil and soilless (hydroponic) crops

Resistances | **HR:** ToMV:0,1,2/Vd:0/Fol:0,1,2 (F3R in USA) / **For** IR: P/Mi



New

Determinate pink salad



Pink Bomb F1

Early and tasty

- Excellent pink taste
- No green shoulders on fruit
- Very good shelf life

Fruit | Round shape
Good firmness and LSL

Weight | 180 to 210 g

Plant | Medium plant vigour
Very early maturity

Resistances | **HR:** ToMV:0-2/Vd:0/Fol:0,1/Pf:A-E
IR: Mi

Determinate red salad

Troy F1

Wide adaptation and easy to grow. Excellent firmness and extra large smooth fruits

- Easy to grow
- Wide adaptability
- Large size and excellent fruit quality

Fruit | Very good taste
Round-flat fruits
Bright red colour
Excellent firmness and LSL

Weight | 250-300 gr

Plant | Strong plant vigour
Compact with short internodes
Excellent leaf cover of fruits
Very easy to grow
Outstanding adaptability to different conditions

Maturity | Medium

Harvest time | Mainly for cold to hot slots

Resistances | **HR:** Vd:0/Fol:0,1/Ss



Turnip



Sweetbell F1 | Mini turnip

Bringing flavours which tempt your senses

- For consumer: quick and easy to prepare such a tasty product-stir fry or raw
- For distributor: an attractive product to display with flavour improvement
- For grower: uniform mini turnip with high early yield

Fruit | Outstanding uniformity
Sweet flavour with firm crisp texture
Internal structure remains clear and white

Size | Roots of 5-8 cm diameter size

Plant | Sowing in late summer for harvest in autumn
Could be also harvested in spring under tunnel
Dark green leaves contrast with roots purple colour

Maturity | 70-85 days from sowing

Harvest time | Prefers a well-managed irrigation schedule to ensure high quality
Suitable for autumn production



Tokyo Top F1 | White turnip

Versatile and easy to grow mini white turnip

- Suitable for all cropping periods, spring, summer or autumn
- Fresh consumption or used for canned consumption (roots conservation in vinegar)
- Sweet flavour

Fruit | Sweet flavour
Good internal quality

Size | Roots of 5-8 cm diameter size

Plant | Vigorous and compact foliage
Excellent tolerance to bolting
Best cycle time: warm to cold

Maturity | 50 days from sowing

Harvest time | Suitable for all cropping periods, spring, summer or autumn
5 cm in 50 days in all seasons

Resistances | IR: For



TP10269 F1* | White turnip

Pure white globe turnip with intermediate resistance to Club Root

- Well adapted as well for Mini Veg
- Exceptional sweet flavour with firm crisp texture
- Ideal raw in salads and stir-fry

Fruit | White and very clear internal structure
Refined tap root
Outstanding uniformity

Size | Could be harvested in mini veg size (5-8 cm) or bigger (8-10 cm)

Plant | Spine free
Well balance proportion root/leaves

Maturity | 60-65 days from sowing (mini vegetable: 50-55 days)

Harvest time | Summer/autumn harvest

Resistances | IR: Pb

* Under registration



New



Royal Crown F1 | Roots

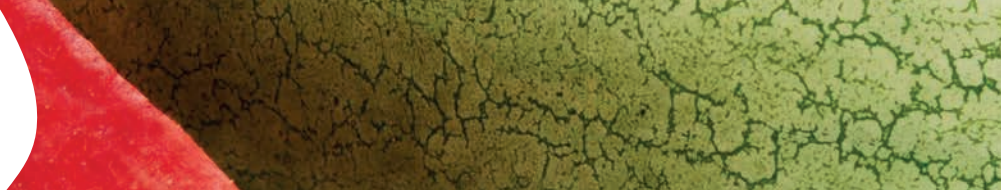
Excellent quality and very good uniformity

- Well adapted for Fresh Market
- Uniform hybrid purple topped white globe type
- Slow bolting and versatile, mainly used for autumn cropping

Fruit	Semi globe shape Smooth skins, with bright purple Nice internal white colour
Size / Weight	8-10 cm diameter (optimal at 10 cm) and weight 300-400 g
Plant	Vigorous plant leaves
Maturity	90-120 days from sowing (depend of the diameter requested)
Harvest time	Autumn or winter harvest



Watermelon



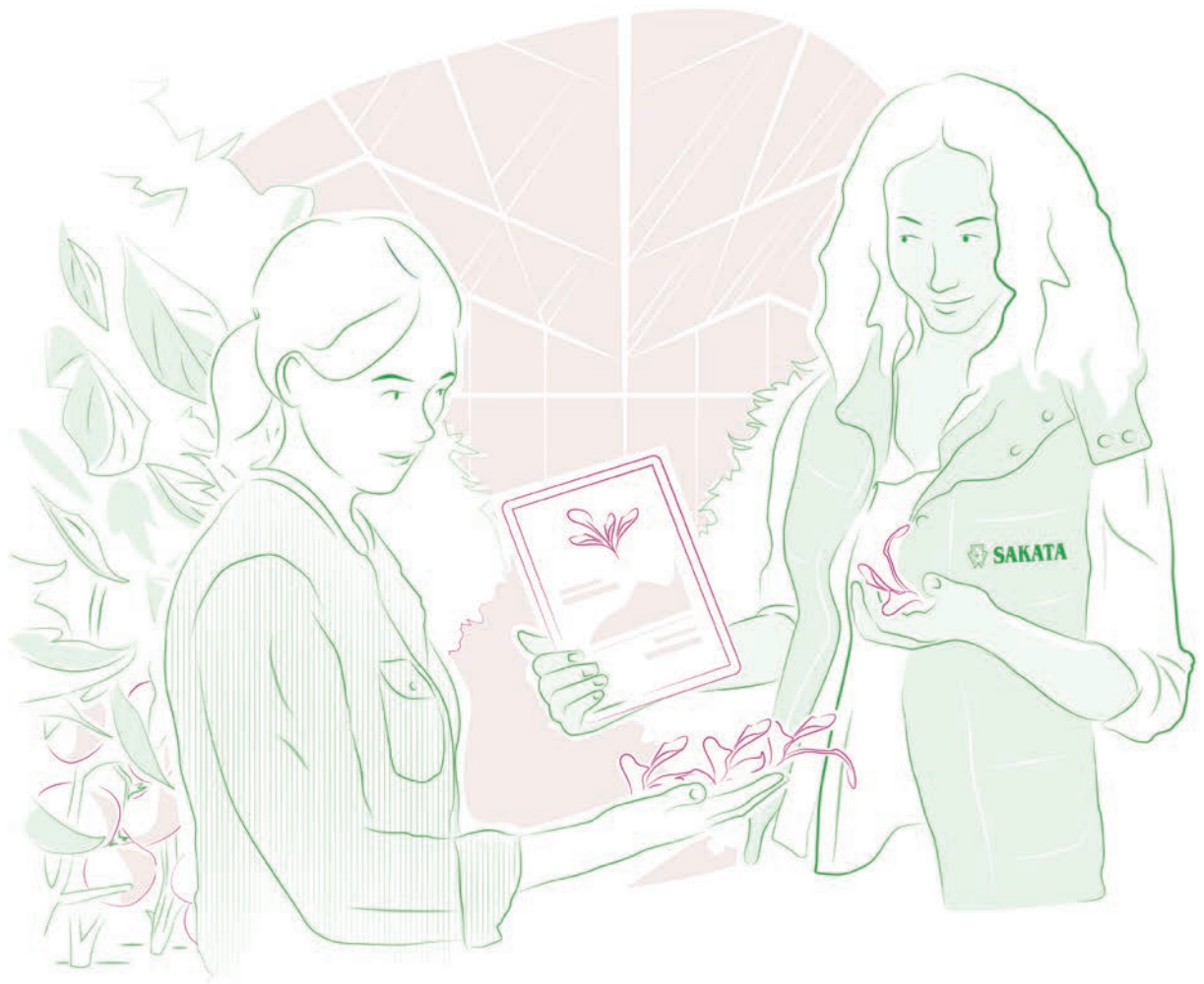
Crimstar F1 | Crimson sweet

Be the first in the market

- Very early maturity cycle, highly suitable for early transplant
- Hardy plant easy to manage
- Attractive fruit with glossy rind and round shape
- Reliable sugar content

Fruit	Round shape Alternate green & dark green stripes Sweet and tasty flesh
Weight	6-9 kg
Plant	Extra early maturity cycle Medium vigour, good grafting ability Positioning: early spring and summer crop, in indoor, outdoor protected and non-protected crop

Resistances | HR: Co 1



Crispeed F1 | Crimson sweet

The classical early hybrid

- Early and concentrated production
- Adding crop security, perfect fruit size and high % of 1st category
- Reliable sugar potential, under different cropping conditions

Fruit	Round shape Dark green stripes with a light green background
Weight	7-10 kg
Plant	An early maturity cycle Balanced vigour Positioning: early spring crop, indoor and outdoor protected crops

Resistances | HR: Co 1
IR: Fon 0,1



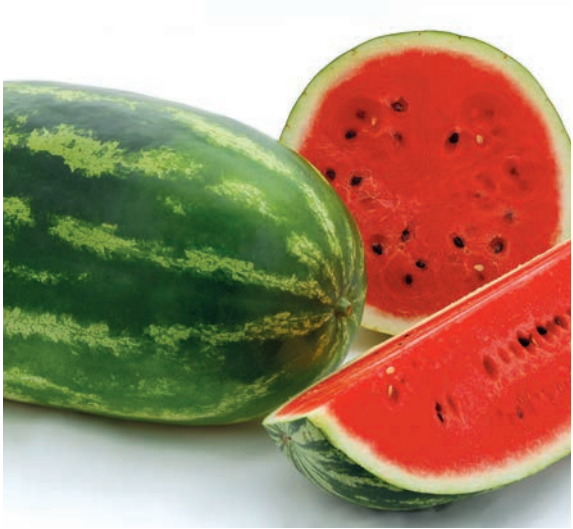
Daytona F1 | Crimson sweet

Heavy yielder & strong rind

- Heavy yielder with uniform size and shape
- Vigorous plant providing an excellent fruit protection
- Thick rind for high resistance to transport and all handling operations
- Crunchy and tasty flesh

Fruit	Oval/Elongated shape Rind has alternate fine light & dark green stripes
Weight	10-14 kg
Plant	Vigorous plant, dense foliage Medium-late maturity cycle Positioning: for season slot in open field, protected and non-protected crops

Resistances | HR: Co 1



Podium F1 | Crimson sweet
The working solution

- Adapted to wide range of growing conditions, easy and concentrated setting
- Fast maturity cycle, with high % of 1st class
- The right size & shape to match new consumption trends and export
- Excellent pulp firmness and crispiness with eye catching red colour
- Very good shelf life to satisfy the most exacting markets

Fruit	Round shape Dark green stripes & medium green background Flesh demarcation well defined Deep red and dense flesh (seedless)
Weight	4.5-7 kg
Plant	Early maturity hybrid Set well in cold conditions Balanced vigour For early to main season crops, indoor and outdoor cultivation (protected and non-protected)



Splendor F1 | Crimson sweet
To target high quality markets

- Fruit presentation and uniformity
- Tolerance to sunburn
- Exceptional flesh qualities (deep red colour, firm flesh and crunchy texture)
- High tolerance to internal crack

Fruit	Round/oval shape Alternate medium green & dark green stripes Intense red flesh colour, well demarked and thin rind
Weight	6-9 kg
Plant	Fairly good plant vigour Medium maturity cycle For ½ early and season slots Protected and non protected (outdoor)
Resistances	HR: Co 1 IR: Fon 0,1

Legio F1* | Crimson sweet
The right balance for succes

- Give a boost to your commercial yield, high fruit uniformity
- Smooth and shiny rind, a fresh look up to market
- Reliable internally, sweet, red and tolerant to crack
- Combination of early maturity and vigour, good fruits cover

Fruit	Blocky shape, smooth and shiny rind Alternating dark green stripes with a medium green Nice red flesh with small seeds
Weight	7-11 kg
Plant	Mid-early maturity cycle Good vigour and coverage For season slot For protected and un-protected open field crop



* Under registration

Sensei F1 | Crimson sweet
Summer time in the early slot

- Very intense red flesh colour, a ray of summer time
- Internal security, tolerance to internal crack
- Short and concentrated maturity cycle
- Made for long distance, firm flesh and crunchy texture

Fruit	Round/oval to blocky shape Alternate medium light green & medium dark green stripes Intense red flesh colour and small seeds
Weight	10-12 kg
Plant	For indoor and outdoor cultivation (protected) Balance vigour Fairly short maturity cycle For early to mid-early crops
Maturity	Early
Harvest time	Spring summer
Resistances	HR: Co 1 IR: Fon 1



Cultivation advice
• Made for long distance, firm fresh



Cultivation advice
• All slots

Fire Ball F1 | Sugar baby
The right black and red combination

- High yield potential and super fruit uniformity
- Great internal quality with its very intense flesh colour
- Customer satisfaction, thanks to its sweet flavour and sugar content

Fruit	Round shape Rind is deep dark green Deep red and sweet flesh
Weight	8-12 kg
Plant	Moderate vigour Early maturity cycle Positioning: all slots from early to season, indoor, and outdoor protected and non-protected crop
Maturity	Early
Harvest time	Spring summer/Late summer
Resistances	IR: Fon 0,1

Regus F1 | Jubilee
All the qualities to answer to the market requirements




































- Good plant vigour with an early maturity cycle
- High yielding variety with uniform production
- Average fruit size fitting the market needs
- Very stable internal qualities to secure the business chain
- High sugar content and nice taste to satisfy consumers

Fruit	Round shape Very light green with fine dark green stripes Red flesh colour, seedless with small ovules
Weight	6-8 kg
Plant	Good plant vigor Early maturity cycle For 1/2 early and season slots protected or non-protected (outdoor)



Variety overview

Variety	Segment	Vigour	Cycle	High Resistance / Intermediate Resistance (HR/IR)	Rind
CRIMSON SWEET 2x Type - Round to Blocky shapes					
Crimstar F1	Crimson Sweet	Medium	Very Early	HR: Co 1	Alternate green & dark green stripes
Crispeed F1	Crimson Sweet	Fair	Early	HR: Co 1 IR: Fon 0,1	Alternate very light & dark green stripes
Sensei F1	Crimson Sweet	Fair	Early	HR: Co 1 IR: Fon 1	Alternate medium green & dark green stripes
Splendor F1	Crimson Sweet	Fair	Med-early	HR:Co 1 IR: Fon 0,1	Alternate medium green & dark green stripes
Legio F1	Crimson Sweet	Strong	Early	HR: Co 1	Alternate medium green & dark green stripes
CRIMSON SWEET 2x Type - Oval-elongated shape					
Daytona F1	Crimson Sweet	Strong	Late	HR: Co 1	Dark green with fine light green stripes
SUGAR BABY 2x Type					
Fire Ball F1	Sugar Baby	Fair	Early	IR: Fon 0,1	Deep dark green
SEEDLESS 3x Type					
Podium F1	Crimson Sweet	Fair	Early	–	Alternate medium green & deep green stripes
Regus F1	Jubilee	Good	Early	–	Light green with fine dark green stripes

Shape	Weight (Kg)	Flesh	Early slot	Med season slot	Season and late slot
Round	6-9	Light red	 	 	
Round	7-10	Light red	 		
Round-oval	10-12	Intense red	 		
Round	6-9	Intense red		 	
Blocky	7-11	Red	–	 	 
Oval/Elongated	10-14	–	–	 	 
Round	8-12	Intense red	 	 	 
Round	4.5-7	Red	 	 	 
Round	6-8	Red		 	

Definition of terms used

to describe reactions to pathogens, pests and stresses

The terms used in this catalogue to describe the reactions of varieties to various diseases, pests, or stresses are consistent with those recommended by the International Seed Federation (ISF) and those developed and used in the sciences of plant pathology and plant breeding.

INTRODUCTION

Differing degrees of specificity exist in the relations between plants and pests or pathogens. Identification of such specificity generally requires the use of highly elaborate analytical methods. Recognising whether a plant is subject to a pest or pathogen or not may depend on the analytical method employed. Statements on the reaction of varieties to a specific disease, pest or stress are based on evaluations made under defined conditions and are believed to be reliable. However, the specificity of pests or pathogens may vary over time and space, depends on environmental factors and new pest biotypes or new pathogen races capable of overcoming resistance may emerge. It is then important to understand that the reactions of a variety to specific diseases, pests or stress can be affected in nature by environmental, biological or other uncontrollable factors that may alter expected performance of this variety.

DEFINITION

Two levels of resistance are defined:

• High Resistance (HR)

The ability of a plant to restrict or retard the attack by a specified pest or pathogen, and/or the resulting damage, when compared to the reaction of susceptible plants grown under similar environmental conditions and pest or pathogen pressure. A highly resistant plant may exhibit some disease symptoms or damage under heavy pest or pathogen pressure.

• Intermediate Resistance (IR)

The ability of a plant to endure or restrict to some degree the attack by a specified pest or pathogen. Intermediate resistant plants exhibit a greater range of symptoms than highly resistant plants but should still perform better than susceptible plants grown under similar conditions.

• Tolerance (T)

The ability of a plant to withstand abiotic stress (e.g. environmental or chemical) while performing better than susceptible plants grown under similar conditions.

• Susceptibility

The inability of a plant to restrict the growth and development of a specified pest or pathogen, or to withstand a specified environmental or chemical stress.

DISCLAIMER

This information is based on our observations and/or information from other sources. As crop performance depends on the interaction between the genetic potential of the seed, its physiological characteristics, and the environment, including management, we give no warranty express or implied, for the performance of crops relative to the information given nor do we accept any liability for any loss, direct or consequential, that may arise from whatsoever cause.

This document is accurate at the time of going to print, please contact the relevant Sales Representative for the latest information.

Resistances

BEET ROOT

Abbreviation	HR / IR	Scientific name of pathogen ISF
BNYVV	IR	Beet necrotic yellow vein virus (Rhizomania)
Cb	IR	Cercospora beticola
Rs	IR	Rhizoctonia solani

BRASSICAS (Cabbage, Broccoli, Cauliflower, Chinese cabbage, Pak Choi, Turnip)

Abbreviation	HR / IR	Scientific name of pathogen ISF
Xcc	IR	Xanthomonas campestris pv. campestris
Ac	HR	Albugo candida
Foc	HR	Fusarium oxysporum f.sp. conglutinans
Pb	HR	Plasmodiophora brassicae

CUCUMBER

Abbreviation	HR / IR	Scientific name of pathogen ISF
CGMMV	IR	Cucumber green mottle mosaic virus
CMV	IR / HR	Cucumber mosaic virus
CVYV	IR	Cucumber vein yellowing virus
Ccu	HR	Cladosporium cucumerinum
Cca	HR	Corynespora cassiicola
Px	IR / HR	Podosphaera xanthii

LEAFY CROPS

Abbreviation	HR / IR	Scientific name of pathogen ISF
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Swiss chard

Cb	HR	Cercospora beticola
Pfb (now Ps)	IR	Peronospora farinosa f.sp. betae (now Peronospora schachtii)

Spinach

Pe	HR	Peronospora effusa
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MELON		
Abbreviation	HR / IR	Scientific name of pathogen ISF
MNSV	HR	Melon necrotic spot virus
Fom	HR	Fusarium oxysporum f.sp. melonis
Gc	IR	Golovinomyces cichoracearum
Px	IR	Podosphaera xanthii
Ag	IR	Aphis gossypii

ONION		
Abbreviation	HR / IR	Scientific name of pathogen ISF
Foc	IR	Fusarium oxysporum f.sp. cepae
Pt	IR	Pyrenochaeta terrestris

PEPPER		
Abbreviation	HR / IR	Scientific name of pathogen ISF
PVY	HR	Potato Y virus
Tm: 0 (TMV, ToMV, BPMoV)	HR	Pepper Tobamovirus Group-0 (Tobacco mosaic virus, Tomato mosaic virus, Bell Pepper mottle virus)
Tm: 1 (TMGMV, PaMMV)	HR	Pepper Tobamovirus Group-1 (Tobacco mild green mosaic virus, Paprika mild mottle virus)
Tm: 2 (PMMoV: 1.2)	HR	Pepper Tobamovirus Group-2 (Pepper mild mottle virus)
Tm: 3 (PMMoV: 1.2.3)	HR	Pepper Tobamovirus Group-3 (Pepper mild mottle virus)
TSWV	IR	Tomato spotted wilt virus
Xcv	HR	Xanthomonas campestris pv. vesicatoria
Lt	IR	Leveillula taurica (anamorph: Oidiopsis sicula)
Mi	IR	Meloidogyne incognita

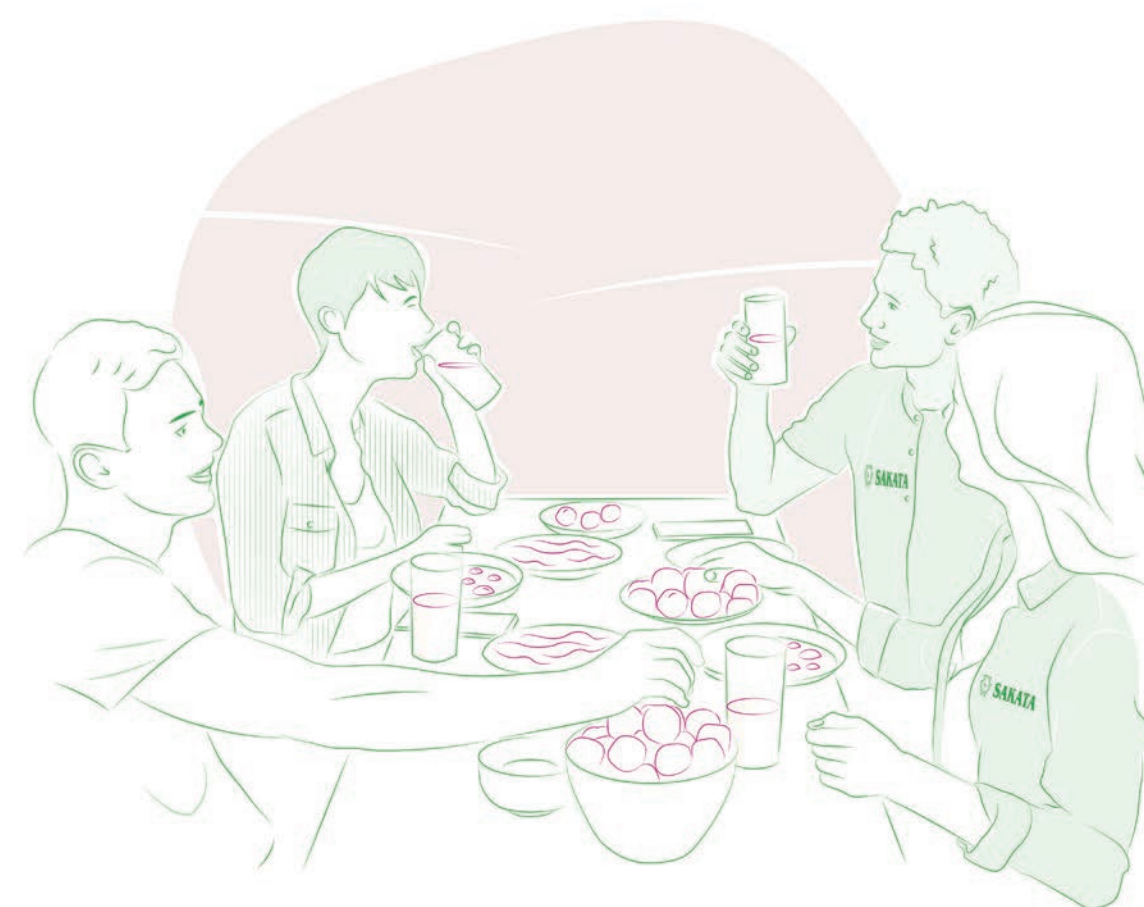
RADISH		
Abbreviation	HR / IR	Scientific name of pathogen ISF
For	IR	Fusarium oxysporum f.sp. raphani

SQUASH AND PUMPKIN		
Abbreviation	HR / IR	Scientific name of pathogen ISF
CMV	IR	Cucumber mosaic virus
PRSV	IR	Papaya ringspot virus (ex WMV-I)
WMV	IR	Watermelon mosaic virus (ex WMV-II)
ZYMV	IR	Zucchini yellow mosaic virus
Px	IR	Podosphaera xanthii

CUCURBIT ROOTSTOCK		
Abbreviation	HR / IR	Scientific name of pathogen ISF
Foc	HR	Fusarium oxysporum f.sp. cucumerinum
Fom	HR	Fusarium oxysporum f.sp. melonis
Fon	HR	Fusarium oxysporum f.sp. niveum

TOMATO		
Abbreviation	HR / IR	Scientific name of pathogen ISF
ToBRFV	IR	Tomato brown rugose fruit virus
ToMV	HR	Tomato mosaic virus
TSWV	IR	Tomato spotted wilt virus
TYLCV	IR	Tomato yellow leaf curl virus
Pst	HR	Pseudomonas syringae pv. tomato
Fol	HR	Fusarium oxysporum f.sp. lycopersici
For	HR	Fusarium oxysporum f.sp. radicis-lycopersici
Pf	HR	Passalora fulva
Ss	IR / HR	Stemphylium solani
Vd	HR	Verticillium dahliae
Mi	IR	Meloidogyne incognita

WATERMELON		
Abbreviation	HR / IR	Scientific name of pathogen ISF
Co	HR	Colletotrichum orbiculare
Fon	IR	Fusarium oxysporum f.sp. niveum





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