



Carrots

nunhems[®]

■ BASF
We create chemistry



Carrots Tasty, versatile, and healthy!

Carrots are an essential part of a healthy, balanced, and tasty diet and are particularly popular with consumers. They are high in vitamins, minerals and antioxidants and packed with beta-carotene, which the body converts into Vitamin A. Because of this, there is high demand for this product all year round, in all climates and across all geographical and cultural borders. Global demand for carrots is rising and, given the projected growth in the world's population to up to nine billion by 2050, there is certainly no end in sight to this versatile vegetable's tremendous success. Carrots are a strategic vegetable for our company, and we are one of the leading producers of carrot seeds. BASF Vegetable Seeds has been successfully breeding a varied selection of carrot seeds for over 50 years and has already successfully developed a wide range of high-quality varieties for the different requirements of markets around the world. Together with our partners in research, we are working on breeding varieties that offer a higher yield, better quality, and greater disease resistance, to combine all these benefits in each individual seed. The primary goal of our breeding program is the search for varieties that offer producers and processors a high yield and consumers a true taste experience.

Across all segments

Every day, around the globe, millions of baby carrots are packaged and delivered, aimed specifically at consumers who want healthy snacks. Moreover, fresh, washed carrots are stocked on supermarket shelves or delivered to foodservice companies. Fresh, chopped carrots are particularly suited to schools and modern families who want to eat healthily but are short of time. Frozen carrots and canned carrots are bought as a store cupboard ingredient for preparing healthy meals. Carrots also come in colors other than orange, and we aspire to offer an extensive range of rainbow varieties that keep pace with changing consumer interests. Red, yellow, purple, white, cream and orange carrots catch the eye of consumers who are daily on the search for unique alternatives. Cooking with these colorful carrots is particularly enjoyable, and they have distinctly different flavors, textures, appearances, and nutritional profiles. We are aware of the agricultural challenges presented by growing these unique and exotic varieties and do our utmost to overcome these challenges with innovative, targeted measures.

Although carrots are one of the top-selling vegetables, producing them requires the whole industry to work hand in hand to create value and stay competitive. All along, BASF Vegetable Seeds has worked with partners in genetic research who specialize in carrot breeding, to bring together all the advantages in every single Nunhems seed. The objective is to produce high-yielding carrots of high overall quality, with high disease resistance. Products with exceptional flavor and optimum nutritional content that come from a provider who cares about the welfare of people and planet.

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Types of Carrot



Carrots for the fresh foods market

The fresh foods market for carrots accounts for the bulk of global production. Varieties within this segment are long-established, traditional, multipurpose favorites. They are sweet and crunchy. Producers and retailers want a fresh end product with good flavor and an even shape, color and smoothness. Within this segment, specific requirements can vary widely from one country to another, depending on growing conditions and consumer preferences. We have a wide range with something to suit your needs and growing conditions.



Fresh bunching carrots

Bunching carrots are sold with the green tops, which emphasize their freshness. This, along with flavor, is an important criterion for the consumer. For growers, therefore, varieties with healthy, firmly attached and fresh leaves are particularly important. Furthermore, strong color of the roots is key from a marketing perspective. Our range comprises plenty of varieties that are exceptionally well-suited to this unique market segment.



Carrots for processing and juice

Carrot juice is healthy and growing in popularity globally. Color, yield and long-lasting flavor are particular priorities in this segment. Both processed carrots and carrot juice are delicate products that require careful attention to keep flavor and color fresh and attractive during processing. Our varieties in this segment are developed to meet all these processing needs. Our attractive, colorful carrots also present interesting new opportunities in this segment.



Carrots for ready-sliced products

For the ready-sliced product segment, varieties with a high yield are particularly important to producers. Carrots that are destined to be sliced or crinkle-cut, for example, must also have an attractive, long-lasting color. Our slicing varieties are long, very cylindrical carrots with a uniform diameter, so can generate a high net yield.



Cut-and-peel carrots

The cut-and-peel category requires long and slender roots with a high yield in all diameters. Consumers also expect good flavor and a good texture. Producers' objectives include the biggest possible yield and a high proportion of usable pieces around 5cm in size. Our aim is to offer varieties with a high marketable yield, regional adaptability, strong leaves, high disease resistance and tolerance to bolting, exceptional properties in terms of flavor, color and texture, and outstanding seed quality. We offer a wide selection, all under one roof.

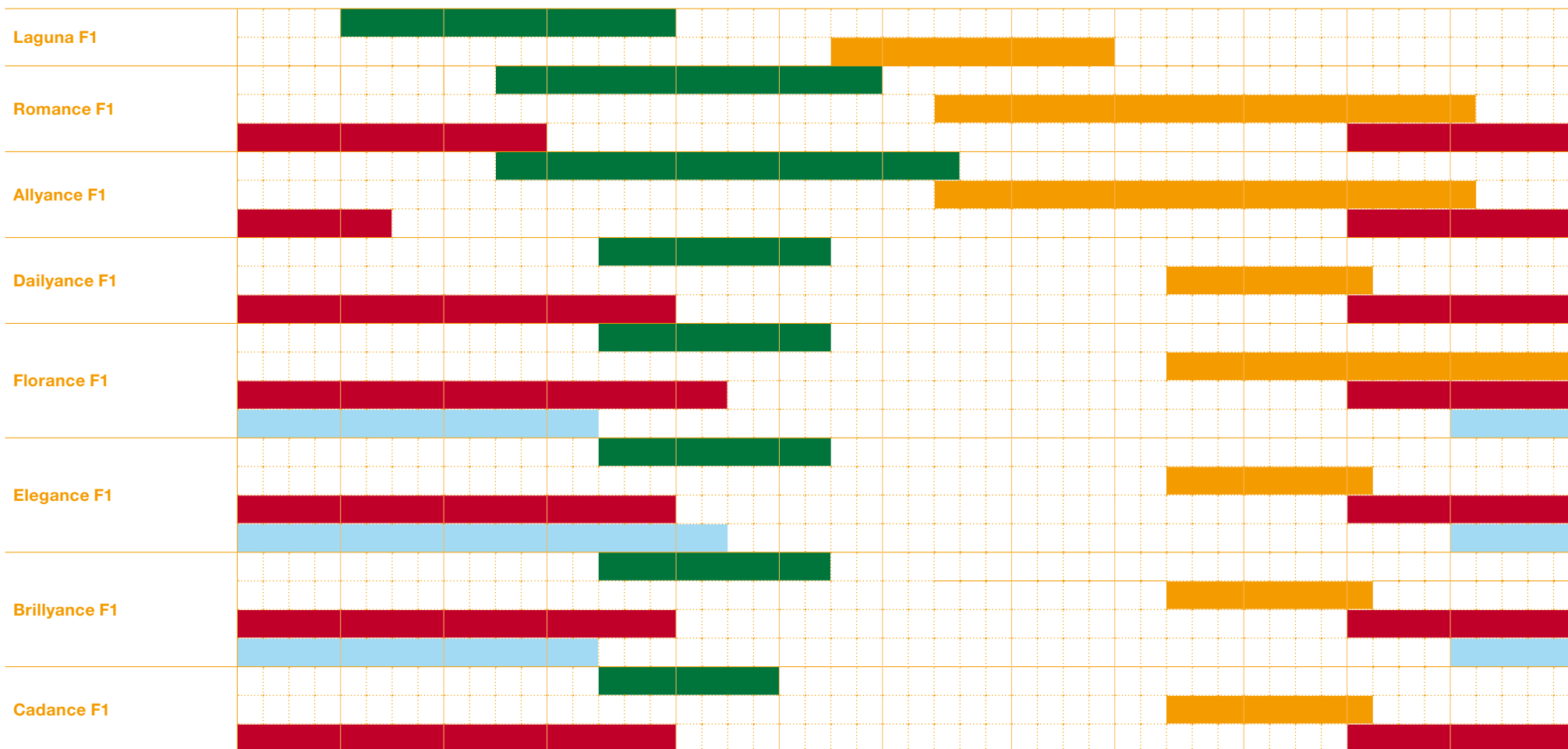


An aerial photograph of a large agricultural field. In the foreground, a red tractor is driving across the field, leaving behind a series of parallel, dark furrows in the soil. The field extends to the horizon, where a line of trees and a few buildings are visible under a clear blue sky. The text "Sowing & Harvest Calendars" is overlaid in white on the left side of the image.

Sowing & Harvest Calendars

■ Sowing ■ Harvesting ■ Cool room storage ■ Soil storage																																																			
January				February				March				April				May				June				July				August				September				October				November				December							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52






Nantes Carrot Range



Please note: Depending on weather conditions, location and crop management, the data may differ from what is shown above.

An aerial photograph showing a vast field of lush green carrot tops. The leaves are finely divided and feathery, creating a dense, textured canopy of green. The lighting is bright, highlighting the vibrant color and intricate structure of the foliage.

Carrot Range Overview

	Type						Earliness	Storage		Soil Types			Carrot Shape		Resistances			
								Cool room	Soil	Sand	Loam	Clay	Cylindrical	Conical	Ad	Eh	Cc	P

Nantes Carrot Range

Laguna F1	√	√				√	8	√*		√	√	√	√			IR		
Romance F1	√	√		√		√	7	√		√	√	√	√		IR	IR	IR	
Allyance F1	√					√	7,5	√*	√*	√	√	√	√		HR	IR	HR	IR
Dailyance F1	√		√				7	√		√	√	√	√		IR	IR	HR	IR
Florance F1	√						6	√	√*	√	√	√	√		IR	IR	HR	HR
Elegance F1	√		√	√			6	√	√	√	√		√					
Brilliance F1	√			√		√	5	√	√	√	√		√		HR	HR	HR	HR
Cadance F1	√						4	√			√	√	√			IR	IR	HR

Late	1	Earliness	10	Early
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 Fresh Market  Fresh Bunching Carrots  Processing and Juice  Slicing  Cut-and-Peel  Organic

* Short cool room or soil storage

HR: High Resistance | IR: Intermediate Resistance | Ad: *Alternaria dauci* | Eh: *Erysiphe heraclei* (Powdery Mildew) | Cc: *Cercospora carotae* | P: *Pythium spp.* (Cavity Spot)

For more information, please contact your allocated local distribution specialists or Customer Service.

	Type						Earliness	Storage		Soil Types			Carrot Shape		Resistances			
								Cool room	Soil	Sand	Loam	Clay	Cylindrical	Conical	Ad	Eh	Cc	P

Industry Carrot Range

Sirkana F1	√		√				6	√		√	√	√		√		IR	IR	
Rockfire F1*			√				6	√*		√	√	√		√		IR	IR	

Colored Carrot Range

Rubyprince F1	√						7			√	√		√					
Rubypak F1	√						7			√	√		√					
Purple Elite F1	√	√					7	√*		√	√		√			IR	IR	
Snow Man F1	√		√				7	√*		√	√	√		√		IR	IR	
Yellowbunch F1	√		√	√			7	√*		√	√	√		√		HR	HR	
Creampak F1	√		√				7	√*		√	√	√		√		IR	HR	





	Late	1	Earliness										10	Early
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Fresh Market Fresh Bunching Carrots Processing and Juice Slicing Cut-and-Peel Organic

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								Cool room	Soil	Sand	Loam	Clay	Cylindrical	Conical	Ad	Eh	Cc	P

Amsterdam Bak Range

Evora F1		√					7			√	√		√		IR	IR		
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Imperator Carrot Range

Honeysnax F1				√			7	√	√	√	√	√	√		HR	HR	HR	
Crispycut F1				√			6	√	√	√	√	√	√		HR	HR	HR	
Highcut F1				√			7	√	√	√	√	√	√		IR	IR	IR	
Uppercut F1				√			6	√	√	√	√	√	√		HR	HR	HR	

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Nantes Carrot Range

LAGUNA F1



The early high yielding standard

- Early and high net yield
- For washing and bunching
- No green shoulders
- Straight carrots
- Strong against breakage

Variety	Early
Storage	Cold storage: yes (when harvested as a young product) Soil storage: no
Soil types	Sand Loam Clay
Carrot shape	Cylindrical
IR	Eh: <i>Erysiphe heraclei</i>

ROMANCE F1



Uniformity Excellence

- High net yield
- For washing and bunching
- Very uniform and straight carrots
- Strong against breakage
- Very erect dark green foliage with good attachment

Variety	Mid-early
Storage	Cold storage: yes Soil storage: no
Soil types	Sand Loam Clay
Carrot shape	Cylindrical
IR	Ad: <i>Alternaria dauci</i> Eh: <i>Erysiphe heraclei</i> Cc: <i>Cercospora carotae</i>

ALLYANCE F1



The new generation of attractive carrots with high yield potential

- High levels of resistances
- Very smooth, uniform, and attractive carrots
- Good blunting
- No green shoulders
- Good taste
- Flexible sowing and harvesting periods
- High yield potential

Variety	Mid-early
Storage	Cold storage: yes (short term) Soil storage: yes (short term)
Soil types	Sand Loam Clay
Carrot shape	Cylindrical
HR	Ad: <i>Alternaria dauci</i> Cc: <i>Cercospora carotae</i>
IR	Eh: <i>Erysiphe heraclei</i> P: <i>Pythium spp.</i>

DAILYANCE F1



The power of bright orange

- For washing
- No green shoulders
- Nice leaf in-plant
- Nice smooth skin
- Good taste experience
- More bulky type

Variety	Mid-early
Storage	Cold storage: yes Soil storage: no
Soil types	Sand Loam Clay
Carrot shape	Cylindrical
HR	Cc: <i>Cercospora carotae</i>
IR	Ad: <i>Alternaria dauci</i> Eh: <i>Erysiphe heraclei</i> P: <i>Pythium spp.</i>

Fresh Market
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FLORANCE F1



The new generation of attractive carrots for cool room and soil storage

- Fresh color after storage
- Very smooth carrot
- Strong against wash splits and growth cracks
- Leaves firmly attached
- Mid-green leaves
- Nice foliage structure for some frost protection

Variety	Mid-late
Storage	Cold storage: yes Soil storage: yes
Soil types	Sand Loam Clay
Carrot shape	Cylindrical
HR	Ad: <i>Alternaria dauci</i> Cc: <i>Cercospora carotae</i>
IR	Eh: <i>Erysiphe heraclei</i> P: <i>Pythium spp.</i>

ELEGANCE F1



Premium color after storage

- Attractively carrot color and smoothness
- Straight and more bulky carrots
- No green shoulders
- Strong against breakage

Variety	Mid-late
Storage	Cold storage: yes Soil storage: yes
Soil types	Sand Loam
Carrot shape	Cylindrical

BRILLYANCE F1



The power of resistances

- No green shoulders
- Very smooth
- Nice leaf implant
- Very uniform on carrot diameter

Variety	Late
Storage	Cold storage: yes Soil storage: yes
Soil types	Sand Loam
Carrot shape	Cylindrical
HR	Ad: <i>Alternaria dauci</i> Eh: <i>Erysiphe heraclei</i> Cc: <i>Cercospora carotae</i> P: <i>Pythium spp.</i>

CADANCE F1



Good taste after cool room storage

- Very strong against breakage, growth cracks and splitting
- For washing
- No green shoulders
- Fine diameter carrot
- For long cold storage

Variety	Late
Storage	Cold storage: yes Soil storage: no
Soil types	Loam Clay
Carrot shape	Cylindrical
HR	P: <i>Pythium spp.</i>
IR	Eh: <i>Erysiphe heraclei</i> Cc: <i>Cercospora carotae</i>

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Industry Carrot Range

SIRKANA F1



Yield and color

- Bulky carrots giving high yield potential
- For washing and processing
- Nice dark orange color inside
- Good results in lower densities

Variety	Mid-late
Storage	Cold storage: yes Soil storage: no
Soil types	Sand Loam Clay
Carrot shape	Conical
IR	Eh: <i>Erysiphe heraclei</i> Cc: <i>Cercospora carotae</i>

ROCKFIRE F1*

NEW



The new, dark orange industry carrot with high dry matter and carotene content

- Strong carrots with high yield potential
- Nice dark orange color inside and outside
- Could give a small bolting percentage with early drillings
- Strong against growth cracks
- No external and no internal greening
- High dry matter content
- High carotene content

Variety	Mid-late
Storage	Cold storage: yes (short term) Soil storage: no
Soil types	Sand Loam Clay
Carrot shape	Conical
IR	Eh: <i>Erysiphe heraclei</i> Cc: <i>Cercospora carotae</i>

Fresh Market
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Colored Carrot Range

RUBYPRINCE F1



- Cylindrical carrots with early blunting
- Red color inside
- Crunchy, good-tasting carrots
- Shorter and less vigorous foliage than the other colors
- Early sowings will still give bolters

Variety	Mid-early
Storage	Cold storage: no Soil storage: no
Soil types	Sand Loam
Carrot shape	Cylindrical

RUBYPAK F1

NEW



- Red color outside and inside
- Early sowings will still give some bolters
- Better tolerance to bolting than other red-colored hybrids in our assortment

Variety	Mid-early
Storage	Cold storage: no Soil storage: no
Soil types	Sand Loam
Carrot shape	Cylindrical

PURPLE ELITE F1



- Purple exterior with small yellow core
- Crunchy texture and good eating quality
- Early sowings will still give some bolters

Variety	Mid-early
Storage	Cold storage: yes (short term) Soil storage: no
Soil types	Sand Loam
Carrot shape	Cylindrical
IR	Ad: <i>Alternaria dauci</i> Eh: <i>Erysiphe heraclei</i>

SNOW MAN F1



- Nice uniform bright white color
- No greening inside or outside
- Big and vigorous foliage type
- Long tapered roots
- Early sowings will still give some bolters
- Good flavor

Variety	Mid-early
Storage	Cold storage: yes (short term) Soil storage: no
Soil types	Sand Loam Clay
Carrot shape	Conical
IR	Ad: <i>Alternaria dauci</i> Eh: <i>Erysiphe heraclei</i>

Fresh Market
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YELLOWBUNCH F1



- Nice bright yellow color
- Tapered roots with medium size
- Big and vigorous foliage type
- Early sowings will still give some bolters
- Good flavor

Variety	Mid-early
Storage	Cold storage: yes (short term) Soil storage: no
Soil types	Sand Loam Clay
Carrot shape	Conical
HR	Ad: <i>Alternaria dauci</i> Eh: <i>Erysiphe heraclei</i>

CREAMPAK F1



- Light yellow color
- Very uniform color
- Bulky and blunting carrots with smooth skin
- No greening inside or outside
- Big and vigorous foliage type
- A few bolters may occur depending sowing season
- Good flavor

Variety	Mid-early
Storage	Cold storage: yes (short term) Soil storage: no
Soil types	Sand Loam Clay
Carrot shape	Cylindrical/Conical
HR	Eh: <i>Erysiphe heraclei</i>
IR	Ad: <i>Alternaria dauci</i>

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Amsterdam Bak Range

EVORA F1



The premium bunching

- Very uniform, cylindrical carrots
- For bunching and the convenience segment
- Nice short erect foliage type
- Very good bolting resistance

Variety	Mid-early
Storage	Cold storage: no Soil storage: no
Soil types	Sand Loam
Carrot shape	Cylindrica
IR	Ad: <i>Alternaria dauci</i> Eh: <i>Erysiphe heraclei</i>

Fresh Market Fresh Bunching Carrots Processing and Juice Slicing Cut-and-Peel Organic

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Imperator Carrot Range

HONEYSNAX F1



Smoothness

- Very good flavor
- Crunchy texture

Variety	Mid-early
Storage	Cold storage: yes Soil storage: yes
Soil types	Sand Loam Clay
Carrot shape	Cylindrical
HR	Ad: <i>Alternaria dauci</i> Eh: <i>Erysiphe heraclei</i> Cc: <i>Cercospora carotae</i>

CRISPYCUT F1



Carrot length and storability

- Very good flavor
- Crunchy texture
- Long carrots

Variety	Mid-late
Storage	Cold storage: yes Soil storage: yes
Soil types	Sand Loam Clay
Carrot shape	Cylindrical
HR	Ad: <i>Alternaria dauci</i> Eh: <i>Erysiphe heraclei</i> Cc: <i>Cercospora carotae</i>

HIGHCUT F1



Long and slender

- Long and fine diameter carrot
- Crunchy texture

Variety	Mid-early
Storage	Cold storage: yes Soil storage: yes
Soil types	Sand Loam Clay
Carrot shape	Cylindrical
IR	Ad: <i>Alternaria dauci</i> Eh: <i>Erysiphe heraclei</i> Cc: <i>Cercospora carotae</i>

UPPERCUT F1



Reliable

- Very good flavor
- Crunchy texture

Variety	Mid-late
Storage	Cold storage: yes Soil storage: yes
Soil types	Sand Loam Clay
Carrot shape	Cylindrical
HR	Ad: <i>Alternaria dauci</i> Eh: <i>Erysiphe heraclei</i> Cc: <i>Cercospora carotae</i>

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Contact

For more information, please contact your allocated local distribution specialist or Customer Service.

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Note on cultivation practices

Information provided by BASF in any form whatsoever is without commitment. Descriptions, recommendations and illustrations in brochures and prospectuses and on the website are based as far as possible on experiences from tests and practice. However, BASF accepts no liability whatsoever on the basis of this information for different results in the cultivated product. The buyer must independently decide whether the goods and information are suitable for the proposed cultivation and/or can be used in local conditions.

Product illustrations

All varieties shown were grown under favorable conditions. Identical results in all cultivation conditions are neither guaranteed nor presumed.

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* In the application for inclusion in the EU list of vegetable varieties.

nunhems[®]

BASF

We create chemistry

BASF's vegetable seeds business

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