



# Enza Zaden Asia



Open Field Crops

2020

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# Bean

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EZA.6331\*

- Vigorous plant
- Black seed colour
- Light green colour with cylindrical shape pod
- Pod length (16 - 19 mm); Pod diameter (8 - 10 mm)
- Good resistance against Rust



EZA.BU0012

- Prolific plant; Good fruit setting
- White seed french bean
- Dark green pod, cylindrical and straight
- Fruit size (18 x 0.85 cm)
- Sweet taste
- Good resistance against Rust

# Bitter Gourd



Shakti Green (EZA.BG13)\*

- Vigorous plant
- Narrow fruit apex with pointed end
- Dark green excellent firmness
- Fruit size (30 x 5.5 cm); Fruit weight (370 g)
- Good resistance against Downy-Powdery Mildew and Gummy Stem Blight
- Tolerant to fruit cracking



EZA.BG23\*

- Vigorous plant
- Dark green fruit skin with cylindrical pointed end
- Glossy and firm fruit
- Fruit weight (230 g)
- Good resistance against Downy Mildew and Namamaroko
- Tolerant to fruit cracking

\* Not available for VN, PH & TH



# Bitter Gourd



## E97A.00003

- Vigorous; Narrow fruit apex with pointed end
- Good firmness with green skin colour
- Fruit size (30 x 5.8 cm); Fruit weight (350 g)
- Tolerant to fruit cracking



## EZA.BG07\*

- Vigorous plant
- Dark green fruit skin with conical shape
- Glossy and firm fruit
- Fruit size (19 x 6 cm); Fruit weight (250 g)
- Good resistance against Downy Mildew, Powdery Mildew and Gummy Stem Blight
- Tolerant to fruit cracking



## EZA.BG22\*

- Vigorous plant
- Dark green, smooth and shiny fruit skin
- Fruit size (26.5 x 5.9 cm); Fruit weight (350 g)
- Good resistance against Downy-Powdery Mildew
- Tolerant to fruit cracking



## Nakin (E97C.00012)

- Highly productive, vigorous plant with high fruit setting
- Bright green colour with long fruit length
- Fruits are firm and have a good storability
- Fruit size (26 x 5.5 cm); Fruit weight (300 g)
- Good resistance against Fusarium Wilt, Cercospora and Downy-Powdery Mildew
- Tolerant to fruit cracking



## Bassey 023 (E97C.00023)

- Medium vigorous plant and earliness
- Good main stem setting
- Medium green smooth with flat fruit shoulder and bottom; Nice cylindrical shape
- Fruit length (26 - 28 cm); Fruit diameter (7 - 7.5 cm); Flesh thickness (1 cm)
- Suitable for high density planting
- Good resistance against Downy-Powdery Mildew and Gemini Virus

\* Not available for VN, PH & TH



# Bitter Gourd



## Bixsy 029 (E97C.00029)

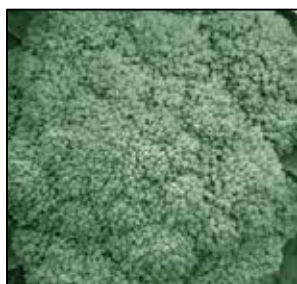
- Vigorous plant; Good side branch setting
- Medium green smooth, flat fruit shoulder
- Pointed fruit bottom, nice cylindrical shape
- Fruit length (30 - 32 cm); Fruit diameter (6.5 - 7 cm); Flesh thickness (1 cm)
- Good resistance against Downy-Powdery Mildew and Gemini Virus
- Tolerant to fruit cracking



## Shakthi (E97A.00004)

- Cylindrical fruit with blunt end
- Whitish to light green skin colour with good firmness
- Fruit size (28 cm x 5.8 cm); Fruit weight (300 g)
- Good resistance against Fusarium Wilt
- Tolerant to fruit cracking

# Broccoli



## EZA.BCL01

- Very early variety, 35 days
- Curd weight (0.2 - 0.3 kg)
- Curd forming between 25 - 33 Celsius
- Good resistance against Downy Mildew
- Tolerant to heat condition



## EZA.BCL02

- Medium early variety, 60 - 65 days
- Vigorous; Small beads
- Curd weight (0.5 kg)
- Curd forming between 25 - 28 Celsius

# Cabbage

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EZA.CB01 (Angad)

- Thick dark green colour leaf
- Head weight (1 - 1.25 kg), with core length 6.4 cm
- Harvest at 65 - 70 days after transplanting
- Tolerant to black rot

# Cauliflower

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Summer White (EZA.CLF01)

- Medium early variety, 49 days
- Smaller plant and white compact curds
- Curd weight (1.0 kg); Curd forming between 23 - 32 Celsius
- Tolerant to heat



Winter White (EZA.CLF05)

- Medium early variety, 53 - 55 days
- White compact curd
- Curd weight (1.4 kg); Curd forming between 23-30 Celsius





# Cucumber



Zenith 011 / Ever 865 (EZA.CCB20)\*

- Vigorous plant
- Dark green with cylindrical fruit
- Fruit size (25 x 5.2 cm); Fruit weight (~370 g)
- Bitter free
- Good resistance against Gemini Virus and Downy-Powdery Mildew



EZA.CC30\*

- Vigorous plant
- Dark green with cylindrical fruit
- Fruit firms and glossy
- Fruit size (22 x 5.2 cm); Fruit weight (380 g)
- Good resistance against Gemini Virus and Downy-Powdery Mildew



Tenc 010 / Green Plus 10 (E23X.00010)

- Vigorous plant
- Dark green with cylindrical fruit
- Fruit size (23 cm x 4.8 cm); Fruit weight (360 g)
- Good resistance against Gemini Virus and Downy-Powdery Mildew



EZA.CCB31\*

- Vigorous plant
- Medium green with cylindrical fruit shape
- Good firmness of fruit
- Fruit size (15 - 17 cm); Fruit weight (130 - 150 g)
- Bitter free
- Moderate resistance against Gemini Virus



Crown 11 (E23X.00011)

- Vigorous plant
- Cylindrical with slight pointed end
- Very firm fruit with glossy skin texture
- Fruit size (14 x 3.7 cm); Fruit weight (120 - 130 g)
- Good resistance against Gemini Virus

\* Not available for VN, PH & TH



# Cucumber



## Nice 333 (E23X.00012)

- Vigorous plant
- Green whitish fruit with cylindrical shape
- Good firmness of fruit
- Fruit size (15 x 3,5 cm); Fruit weight (120 - 150 g)
- Good resistance against Gemini Virus



## Sumudu (EZA.CCB22)\*

- Vigorous plant
- Greenish white and cylindrical fruit
- Fruit size (24 x 5 cm); Fruit weight (350 - 400 g)
- Bitter free
- Good resistance against Gemini Virus



## Inci (E23B.15898)

- Open and generative plant type
- Good balanced plants and fast fruit filling
- Shinning and smooth fruits; Fruit length (17 - 18 cm)
- Good fruit setting (2 - 3 fruits per node)
- HR: Ccu
- IR: CMV/CVYV/Px



## Oroub (E23B.16008)

- Medium vigourous, good regeneration capacity
- Fruit length (16 - 17 cm)
- Good fruit setting (1 - 3 fruit per node)
- HR: Ccu
- IR: CMV/CVYV/ZYMV/Px



## Borja (E 31.0623)

- High productive side shoot
- Excellent balance and production on the mainstem
- Uniform good quality and excellent shelf-life
- Earliness, very good heat tolerance
- HR: Cca/Ccu
- IR: CVYV

\* Not available for VN, PH & TH





# Cucumber



Melen (E 32.11276)

- High productive and widely adaptable variety
- Strong compact plant habit with exceptionally uniform fruits
- Fruit size (16 - 18 cm); Suitable for year round production
- HR: Cca/Ccu
- IR: CMV/CVYV/Px



Fadia (E 32.13865) 

- Widely adaptable variety
- High production and good plant balance
- Dark green fruit colour and crunchy
- Fruit length (17 - 18 cm)
- HR: Ccu
- IR: CMV/CVYV/Px



Katrina 

- Exceptionally compact and multi-bearing
- Good regeneration capacity and high fruit setting
- Nicely ribbed and suitable for long transportation
- Shiny fruits and extended shelf-life
- HR: Ccu
- IR: CMV/CVYC/Px



Corinto (E 33.15679) 

- Early and well-balanced plant; Widely-adaptable variety
- Easy and early setting
- Excellent shelf-life
- Attractive fruits with smoother skin
- IR: CMV/CVYV/Px



# Eggplant



## EZA.EP02\*

- Green, white strip, cylindrical fruit shape
- Smooth plain and firm fruit
- Fruit size (11.5 x 2 cm); Fruit weight (32 g)
- Tolerant to fruit cracking



## EZA.EP03\*

- Vigorous plant
- Light green with long cylindrical fruit
- Glossy and smooth skin
- Fruit size (25 x 4.3 cm); Fruit weight (150 g)
- Good resistance against Bacterial Wilt and Gemini Virus
- Tolerant to fruit cracking



## Green Land 99 (E83.00004)

- Vigorous plant
- Green cylindrical fruit
- Glossy and smooth skin
- Fruit size (28 x 5 cm); Fruit weight (150 - 160 g)
- Excellent Bacterial Wilt resistance and strong against fruit cracking



## E83.00002

- Vigorous plant
- Dark purple with cylindrical, short and pointed end fruit
- Good firmness of fruit
- Fruit size (26 x 3.5 cm)
- Excellent Bacterial Wilt resistance and strong against fruit cracking



## EZA.EP04\*

- Dark violet with long cylindrical fruit
- Glossy, smooth skin and firm fruit
- Fruit size (27 x 5.0 cm)
- Good resistance against Gemini Virus
- Tolerant to fruit cracking

\* Not available for VN, PH & TH



# Hot Pepper



## Lucky 29 (E22X.00029)

- Tall erect; Plant type with continuous fruiting
- Glossy; Medium dark green-bright red
- Fruit size (17 x 1.8 cm); Firm and slight wrinkled
- Maturity (80 - 85 DAT)
- Good resistance against Bacterial Wilt

# Leek



## Cherokee (E 65C.093)

- A highly uniform leek
- Easy to peel and holds well in the field
- Upright, dark blue foliage is strong against disease



## Chinook (E 65A.10078)

- Plants are medium green and upright
- 90 - 100 growing days; Fast growing
- Tolerant to Bolting

# Melon

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## EZA.0003\*

- High round fruit
- White-orange flesh and firm texture
- Small cavity; Non-slip character
- Fruit size (1.5 - 2 kg); Brix (12 - 17 %)
- Good resistance against Gemini Virus and Downy Mildew
- Good crack tolerance



## Bellus (E25M.00085)

- Medium vigorous and good leaf coverage
- Big fruit and nice cavity
- Better cream colour with excellent taste
- HR: Fom:0,1
- IR: Px:1,2,5



## Causal (E25G.00109)

- Strong plant with enough shoots and cover
- Earliness and concentrate setting
- Perfect size and uniform fruits; Excellent netting
- Green-white flesh colour and small seed cavity
- Good production; Good Brix level
- HR: Fom:0,1/MNSV
- IR: Px:1,2,5



## EZA.ML06\*

- High round fruit
- Thick net with narrow cavity
- Dark green skin colour
- Firm flesh texture with light green white colour
- Fruit size (1.5 - 2.3 kg); Brix (11 - 13 %)
- Good resistance against Gemini Virus and cracking tolerance



## Karameza (E25F.00054)

- A fully netted cantaloupe in the Caribbean Gold segment
- Concentrated set of fruit; Strong plant, nice dense netted fruit
- Orange flesh; Creamy fruit colour and good sugar level
- Fruit weight (1 - 5 kg); Perfect variety for long shipments
- HR: Fom:0,1,2
- IR:Px:1,2,5

\* Not available for VN, PH & TH

# Melon



## Kazta (E25F.00075)

- A strong vegetative growing plant that performs well under stressful conditions
- Round fruits with thick netted covered from top to bottom
- Orange flesh
- HR: Fom:0,1,2/MNSV
- IR: Px:1,2,5



## Kapaz (E25F.00177)

- Strong plant
- Good fruit setting; Uniform round shape with a creamy skin colour
- Dark orange flesh with good firmness
- Fruit size (2 - 3 kg); Brix (11 - 14 %)
- HR: Fom:0,1,2/MNSV
- IR: Px:1,2,5



## Etika (E25C.00293)

- Generative plant with very high yield potential and medium leaf cover
- Fruits are round and stable netting
- Nice fruit with good taste
- HR: Fom:0,1,2
- IR: Fom:1,2/Px:1,2,5/Ag



## Konquista (E25S.00449)

- Strong plant; Very good transportability and shelf-life
- Very attractive and good external appearances
- High consistence in quality; Brix (13 - 16 %)
- Very productive; Cracking tolerance
- HR: Fom:0,1,2
- IR: Px:1,2,5/Ag
- 



## Lookstar (E25A.00483)

- Good fruit setting
- Fruit size (2.2 - 2.4 kg)
- Brix (11 - 12 %)
- HR: Fom:0,1,2
- IR: Px:1,2





# Melon



## Osorio (E25P.00203)

- Nice fruit presentation and good taste
- High yield and uniformity, with a very nice dark green colour and netting over skin
- Fruit size (3 - 5 kg); Brix (14 - 15 %)
- HR: Fom:0,1/MNSV
- IR: Px:1,2,5



## Olmos (E25P.00316)

- Very strong plant, dark green leaves
- Nice quality of fruit with high yield
- Very uniform and excellent taste
- HR: Fom:0,1/MNSV
- IR: Px:1,2,5/Px:3,5/Ag



## Ishakbey (E 81.9003)

- Very strong plant with good leaf covering
- Reliable and early fruit setting
- Medium to big oval round shape; Fruit size (3 - 4 kg)
- They are more than average wrinkled, very uniform with small seed cavity
- HR: Fom:0,1,2
- IR: Px:1,2,5

# Okra



## Major Green

- Dark green fruit, length (12 - 14 cm)
- Medium tall plant
- Good resistance against Enation Leaf Curl Virus



# Onion



**Minerva (E 73.M5345)**

- Early short day, white skinned onion
- Large, uniform, globe-grano shaped bulbs with good colour and skin retention
- Good resistance against Foliar disease and Pink Root



**Copperhead (E61S.10346)**

- Very early short day yellow variety
- Very uniform hard bulbs and tightly retained skins
- This variety is unique and revolutionary in its class due to firmness, uniformity and skin retention



**Madalyn (E72.Q5535)** 

- Very early yellow short day onion
- A fast growing variety; Fast maturity
- Consistently larger size and exceptional skin colour



**Soberana (E 72.T6016)**

- Early short day yellow variety
- Widely adaptable variety
- Extremely uniform; Bulb colour is light brown
- Very strong tops when foliage disease pressure is high
- Roots are strong; very good bolt resistance
- Very strong foliage in areas where general leaf disease pressure is high, especially Downy Mildew and Phytophthora



**Chelsea (E 72.U6234)**

- Vigorous; High yielding hybrid yellow onion
- Firm, heavy with medium to large sized bulbs
- Early harvesting at 80 days after transplanting or 110 days direct seeding
- Good transportability and storability
- Good resistance against Anthracnose, Root Rot and Purple Blotch

# Onion



**Samurai (E 72.N5410)**

- Early short day yellow variety
- More globe-grano shaped bulb
- Sweet taste
- Strong root system



**Predator (E 72.E544)**

- Mid to short day, yellow onion
- Large, globe-shaped bulbs, which are very uniform
- Mild flavour with good firmness
- Good resistance against Downy Mildew



**Malbec (E 71R.5583)**

- Versatile hybrid red onion; Good for early and late planting
- Excellent seedling vigor which can be transplanted in 30 - 35 days
- High yielding with medium to large uniform sized bulbs
- Good for direct planting and transplanting
- Good shipping quality and storability
- Good resistance against Purple Blotch, Root Rot and Anthracnose

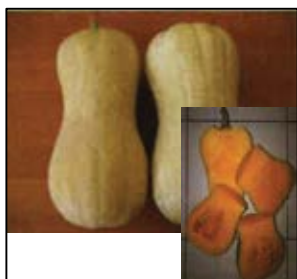


**Red Coach (E 71.T6113)**

- A short day growing onion variety, maturing 85 - 90 days after transplant
- Large flat round bulbs
- Attractive deep red colour and pungency
- Very dense bulb and strong root system
- Better storability due to closed neck and firm bulbs
- Strong against Pink Root Rot, bolting and foliar diseases
- Tolerant to stress condition



# Pumpkin



## EZA.PK01\*

- Butternut/peanut fruit shape; Glossy
- Immature light green-light brown fruit skin colour
- Deep orange flesh
- Fruit size (18 x 10 cm); Fruit weight (1.5 - 2.0 kg)
- Sticky; Brix (14 - 18 %)
- Suitable for tropical climate cultivation



## Butternut Jacqueline (E30B.00101)

- Vigorous plant with second fruit set
- Better uniformity
- For fresh market
- IR: Px



## Butternut Havana (E30B.00114)

- Early maturing Butternut with good uniform internal colour
- Fruit weight (1.3 - 1.8 kg)
- Blocky fruits have a thick neck and a small seed cavity
- Flesh is intense orange and tasty
- Suitable for highland, protected cultivation
- IR: Px/ZYMV



## Butternut Hannah (E 88.041)

- Large blocky butternut
- Medium-late maturity with strong vine
- Outstanding quality of fruit; Fruit size (1.5 - 2.0 kg)
- Suitable for highland, protected cultivation
- IR: ZYMV



## Hot Summer (E30R.080)

- Red pumpkin, semi-vine type
- Good and uniform fruit yield
- Fruit size (1 - 2 kg); Excellent fruit quality
- Suitable for highland, protected cultivation
- IR: ZYMV/WMV/PRSV

\* Not available for VN, PH & TH



# Pumpkin



## Prima (E30S.00001)

- Vigorous, very high fruit setting
- Immature dark green-light brownis, glossy fruit skin
- Mature light brown-dark greenish, orange flesh
- Fruit weight (4 - 7 kg); 80 days of maturity
- Good resistance against Gemini Virus and Gummy Stem Rot



## Sampson (E 88.007)

- Very strong, vigorous grey pumpkin
- Thick dark orange flesh with a small seed cavity
- Uniform fruit shape and size; Slightly ribbed
- Excellent process quality and yield potential; Fruit weight ( 4 - 7 kg)
- Suitable for highland, protected cultivation
- IR: ZYMV/WMV/PRSV



## Winston (E 88.026)

- Semi bush pumpkin with good flesh quality and high yield
- Uniform blocky fruits with a slight rib
- Small cavity; Fruit weight around 5 kg
- Good storability; Suitable for highland, protected cultivation
- IR: ZYMV/WMV/PRSV



# Ridge Gourd



EZA.2266\*

- Good side branch
- Medium dark green
- Fruit size (32 x 4.5 cm); Fruit weight (250 g)
- Good resistance against Fusarium Wilt, Downy, Powdery Mildew and Gemini Virus



EZA.1962\*

- Vigorous plant
- Medium dark green skin colour with long cylindrical pointed end
- Good fruit firmness
- Fruit size (34 - 45 x 4.6 cm); Fruit weight (250 - 300 g)
- Good tolerance against fruit cracking



Athena 05 (18TH1.0005)

- Good plant vigor
- Moderate dark green with highly pointed ribs
- Medium green ribs
- Fruit length (around 40 cm); Fruit weight (350 - 400 g)
- Resistant to Gemini Virus and Downy Mildew



Icon 12 (18TH1.00012)

- Good plant vigor
- Medium dark green with pointed shoulder stem end and pointed blossom end
- Medium green ribs
- Fruit length (50 - 55 cm); Fruit weight (400 - 450 g)
- Resistant to Gemini Virus and Downy Mildew

\* Not available for VN, PH & TH



# Tomato



**Bituin F1 (E15M.90006)**

- Semi-determinate type
- Good yield with long crop cycle
- High round shape; Fruit weight (60 - 80 g)
- Good shelf-life; Turning red during transportation
- Good resistance against TYLCV and BW
- High heat set



**Sinag Tala F1 (E15M.90007)**

- Semi-determinate type
- Earliness; Vigorous with good balance of plant and fruit
- Good plum fruit shape and size uniformity, with excellent firmness
- Fruit weight (90 - 100 g)
- Good resistance against TYLCV, BW and other foliar disease



**Red Bell 08 (E29.00008)**

- Semi-determinate type
- Large plum fruit shape
- Very firm fruits with a green shoulder
- Fruit weight (100 - 110 g)
- Good resistance against BW and ToMV





# Watermelon



## Sweet Ruby 99 / Long Moon (E26L.00021)

- Easy fruit setting; Vigorous plant
- Small elongated watermelon, slightly dark green skin
- Fruit weight (3 - 5 kg); Dark red flesh
- Sweet and crispy
- Good resistance against Gummy Stem Blight
- Tolerant to hot climate and cracking



## Red Moon 796 (E26R.0796)

- Earliness with easy fruit setting
- Dark green with strip
- Oval fruit; Fruit weight (2 - 3 kg)



## Sea 414 (E83.00014)

- Seedless watermelon
- Plant vigor; Very good and easy fruit setting
- Dark green colour rind with dark green striped
- Fruit weight (7 - 8 kg); Red flesh; Sweet and cruchy
- Tolerant to fruit cracking



## E85.00004

- Oblong type, uniform
- Firm with dark red flesh; Sweet
- Fruit weight (8 - 10 kg)
- Good shelf-life
- Good resistance against Fusarium



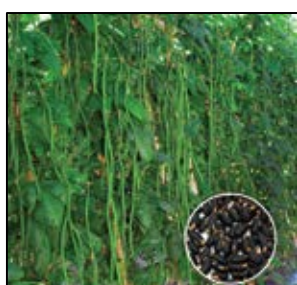
# Yard Long Bean

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Charade LB-311

- Brown and white spot seed
- Slight smoothness skin, firm green pod
- Good uniform fruit setting
- Very good Gemini Virus and Fusarium Wilt resistance
- Good Mungbean Yellow Mosaic India Virus resistance



Concorde / Jade 777

- Black seed
- Slight smoothness skin, firm green pod with purple end
- Good uniform fruit setting
- Very good Gemini Virus and Fusarium Wilt resistance
- Good Mungbean Yellow Mosaic India Virus resistance



Resistances in varieties of our crops will be coded (please, see our coding list on [www.enzazaden.com](http://www.enzazaden.com) for explanation), unless indicated otherwise.

Varieties claiming the same level of resistance against a specific pest or pathogen may exhibit a different resistance response due to a different genetic makeup of a variety. It is to be noted that if a resistance is claimed in a plant variety it is limited to the specified biotypes, pathotypes, races or strains of the pest or pathogen.

If no biotypes, pathotypes, races or strains are specified in the resistance claim for the variety, it is because no generally accepted classification of the cited pest by biotype, pathotype, race or strain exists. In this case resistance is only claimed against certain not further specified isolates of that pathogen. New biotypes, pathotypes, races or strains that may emerge are not covered by the original resistance claim.

**Immunity:** not subject to attack or infection by a specified pest or pathogen

**Resistance:** the ability of a plant variety to restrict the growth and development of a specified pest or pathogen and/or the damage they cause when compared to susceptible plant varieties under similar environmental conditions and pest or pathogen pressure. Resistant varieties may exhibit some disease symptoms or damage under heavy pest or pathogen pressure.

Two levels of resistance are defined:

- **High resistance (HR):** plant varieties that highly restrict the growth and development of the specified pest or pathogen under normal pest or pathogen pressure when compared to susceptible varieties. These plant varieties may, however, exhibit some symptoms or damage under heavy pest or pathogen pressure.
- **Intermediate resistance (IR):** plant varieties that restrict the growth and development of the specified pest or pathogen, but may exhibit a greater range of symptoms or damage compared to highly resistant varieties. Intermediate resistant plant varieties will still show less severe symptoms or damage than susceptible plant varieties when grown under similar environmental conditions and/or pest or pathogen pressure.

**Susceptibility:** the inability of a plant variety to restrict the growth and development of a specified pest or pathogen.

**Tolerance:** the ability of a plant variety to endure abiotic stress without serious consequences for growth, appearance and yield. Vegetable companies will continue to use tolerance for abiotic stress.

Full explanation available on [www.enzazaden.com](http://www.enzazaden.com)

## Disclaimer

Descriptions, recommendations and illustrations in brochures and leaflets shall correspond as closely as possible to tests and practical experience and are subject to typographical and/or printing errors. This information shall be provided to assist professional growers and users, whereby variable local conditions must be taken into account. Under no circumstances shall Enza Zaden accept liability based on such information for deviating results in the cultivated product. Current information concerning the resistances is available on [www.enzazaden.com](http://www.enzazaden.com)





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