

# Cucumber

UK Winter - Spring 2021 | 2022



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Traditional crop

# Luciana

## Quality, uniformity and production

- Powerful and labor friendly
- Early production
- High average fruit weight (350-400 grams)
- Intermediate resistance to powdery mildew
- Fruit length between 29-36 cm

The spring variety Lucania is a powerful and labor friendly crop. It is a relatively easy to grow plant type, but it requires a generative steering direction, especially on sunny days. This will result in an early production, a nice development of tendrils and ensures a balanced crop.

The good uniform fruit quality and the stable production are decisive factors to choose for this variety. Those characteristics in combination with its intermediate resistance to powdery mildew and the fact that it is not sensitive for *Mycosphaerella* makes it a very complete variety.

## E23L.2391 NEW

### Production and fruit quality

- High total production
- Excellent fruit quality
- Beautiful dark green fruit color
- Open and labor friendly crop
- Intermediate resistance to powdery mildew

The new spring variety E23L.2391, with an intermediate resistance to powdery mildew, has been introduced at different growers last spring. It can be described best as an open crop, therefore it is a labor friendly variety. Due to this, this characteristic contributes to a very good fruit quality.

Especially the dark green fruit color, the uniform fruit length and the fact that this variety performs well against *Mycosphaerella* will be traced back till the end of the crop. It is best to steer this variety towards growth to ensure a balanced crop. This will result in an open crop with small upstanding leaves.

Because E23L.2391 is labor friendly, has a high total production and has an excellent fruit quality, the growers see this variety as a full alternative within the traditional segment.

High wire crop

# Topspin

For a highwire first crop

- A balanced and strong crop
- High production and non-aborting
- Fruits do not become too long on the shoots
- Handles low light conditions well

Topspin is a variety which has a vigorous crop with a good endurance. Besides it has a low sensitivity to light and that is why it is suitable for plantings in January. It is a balanced crop and therefore it will be able to produce a good fruit weight during this period of the year.

It does not get dark or black heads and will give an uniform fruit length during the cultivation. Also on the shoots Topspin develops enough fruits to ensure the high production. It is a compact and strong crop and it also will remain an open variety till the end of the cultivation season.



Lighted winter crop

# E23L.2384 NEW

Fruit quality and resistance

- High resistance to powdery mildew and Cucumber green mottle mosaic virus (CGMMV)
- Uniform production
- High average fruit weight (400gr)
- Compact and labor friendly crop

E23L.2384 is a new variety in the lighted high wire segment. This variety scores very positive in a greenhouse with an intensive artificial light program, especially in combination with LED-lights. It distinguishes itself from other varieties by the high resistance to powdery mildew and to CGMMV. Moreover, the fruit quality in combination with the dark fruit color are also very positive characteristics.

E23L.2384 is compact and has an average leaf size. The variety requires a more vegetative cultivation regime by planting it directly at full density and to avoid to pinched plants where possible. When the crop is in balance there will be a low fruit abortion, which results in an uniform production and a higher average fruit weight.

## Toplight

Low light levels and lower average temperatures

- Open and fast-growing crop
- Can be cultivated at lower average temperatures
- Fast fruit and good fruit weight
- Intermediate resistance to powdery mildew

Toplight is a variety that works well as a lighted crop in greenhouses with medium to lowlight intensity. Therefore it is very suitable in Scandinavia with the lower light levels of 90-250 micromole. It is a fast-growing crop including an early production.

The open and generative plant type is easy to keep in balance. It is a compact plant with small to medium sized leaves. Besides, it is strong against fruit abortion. The fruit length is consistent (27-33 cm) and gives a nice even fill. Especially with night temperatures around 17-17,5 Celsius.



Mini cucumbers

## Katrina

**A classic one with super taste**

- Most planted variety in its segment between 110 and 130 grams
- Crispy and sweet
- Open and steadily growing crop
- High resistance to powdery mildew
- Strong against Cucumber green mottle mosaic virus (CGMMV)

Katrina is a mini cucumber for traditional cultivation that can be used throughout the season. It can be planted from the end of January onto August. Its weights of 110-130 grams (length 16-18 cm) makes it a somewhat coarser mini variety.

The quality and taste are the main features of this variety. The fruits are crispy and taste nice and sweet. The variety has a high resistance to powdery mildew. In practice it also shows to be strong against CGMMV too.

The plant makes multiple fruits per node and grows very controlled on the laterals. Therefore it is advisable to twist the head over the wire.

## Analisa

**New for conventional and high wire cultivation**

- Open and generative crop
- Suitable for conventional and high wire cultivation
- High resistance to powdery mildew
- Intermediate resistance to Cucumber green mottle mosaic virus (CGMMV)
- Fruits between 90-110 grams

Analisa has proven itself in either conventional as in high wire cultivations. It can be planted from the end of January to August. It is an open a generative variety which produces an average of two fruits per node. It has a high production level and it is a labor friendly plant.

Also the fruit quality is very consistent with a beautiful green color. It has weights of 90-110g (length 13-15 cm) makes it a bit smaller than the other mini cucumber variety Katrina. Those characteristics in combination with its high resistance to powdery mildew and the intermediate resistance to CGMMV makes it a very complete variety.



## Planting schedule Cucumber

Variety	Jan	Feb	Mar	Apr	May	June
<b>Traditional crop</b>						
Luciana		In the UK it should be planted after week 3.				
E23L.2391 <small>NEW</small>						
<b>High wire</b>						
Topspin						
<b>Lighted winter crop</b>						
E22L.2384 <small>NEW</small>						
Toplight						
<b>Mini Cucumbers</b>						
Katrina						
Analisa						

Variety	July	Aug	Sept	Oct	Nov	Dec
<b>Traditional crop</b>						
Luciana						
E23L.2391 <small>NEW</small>						
<b>High wire</b>						
Topspin						
<b>Lighted winter crop</b>						
E22L.2384 <small>NEW</small>						
Toplight						
<b>Mini Cucumbers</b>						
Katrina						
Analisa						

## Resistances

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)*

## Explanation of used abbreviations

	Code	English name	Scientific name pathogen ISF	Level of resistance
Fungus	Cca	Corynespora blight and target spot	Corynespora cassiicola	HR
	Ccu	Scab and gummosis	Cladosporium cucumerinum	HR
	Px	Powdery mildew	Podosphaera xanthii (ex. Sphaerotheca fuliginea)	IR, HR
Virus	CMV	Cucumber mosaic	Cucumber mosaic virus	IR
	CVYV	Cucumber vein yellowing	Cucumber vein yellowing virus	IR
	CGMMV	Cucumber green mottle	Cucumber green mottle mosaic virus	IR, HR

## 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/uk](http://www.enzazaden.com/uk)

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