



LIMONIUM PEREZI ENCHANTE™

Cultivation guide

Imagine more



Enchanté™ | LS-17-868

- Color: Dark Purple
- Perennial – 2-5 years
- Stem length: 60-80 cm
- Cycle: 3 flushes per year
- Weeks from planting to harvest: 14weeks
- Pruning to harvesting: 12 weeks
- Yield: 10-14 stems per plant/flush or 6 stems plant/month
- possible to maintain as continuous harvest or by flushes
- 40-50 stems per plant/year.
1.6-2 million stems/Hectare/Year



PRODUCT USP:

- Strong dark color
- Can be grown in open field
- Easy to harvest
- Volume inflorescence- less stems per bouquet
- Tolerance to downy and powdery mildew
- Low losses during harvest and Grading
- No Smell
- Round stem- less quarantine pests
- Open structure



- **Botanical Background**
- **Propagation**
- **Cultivation**
- **Harvest + Post Harvest**
- **Second Year Cultivation**
- **Plant Protection**

Botanical Background



The **ENCHANTE™** varieties belong to the *Limonium Perezii* family.

Perennial plants, can produce several flowering flushes in a span of 5 to 6 years

The base of the plants are vegetative, from which thin stems with sparse foliage arise, carrying a voluminous inflorescence.

Propagation

- **ENCHANTE™** plants are produced by tissue culture allowing for:
 - Genetical uniformity
 - Disease free plants
 - High growth potential



Hardening

- Cultures are cleaned of agar residues and applied to a well-aerated soil media
- After sticking the plantlets, mist is applied:
 - 1st week: 6-8 second pulses with 10 minute intervals (hot hours) to 40 minutes (cooler hours)
 - In following weeks pulses and intervals are lengthened
 - Fertilizer is also added at N = 100ppm
- Light intensity in the first stages of rooting should not exceed 15,000 Lux in midday hours
- Young plants are ready for marketing within 6 weeks

Propagation



The growth cycle

- The first flush 12-14 weeks from planting to harvest
- 2.5 to 3.5 flushes can be obtained per year
- In each flush around 10 to 14 marketable stems are harvested per plant
- It is also possible to initiate a long continuous harvest without distinctive flushes.
- Yield is 1,500,000 to 2,940,000 stems per hectare per year, depending on climatic conditions

Plot Preparation

- Growing can be done in the open field, under shade, or in polyethylene covered structures
- Soil should be well drained, and built into 1 meter wide and 30 cm high beds
- Drip irrigation system with 2-3 lines per one meter-wide bed, drippers every 30 cm.
- One support net of 30cm × 30cm squares should be placed 40cm above the bed



Planting Density

- Recommended planting density is 6 plants per net square meter
- This equals approximately 40,000 plants per gross Hectare
- This is achieved by planting in two lines along each bed, with 33cm to 40cm spaces between plants



- ***ENCHANTE***[™] enjoys high levels of irrigation
- The irrigation acts also to maintain mild soil temperatures and contributes to yield and stem quality
- Recommended irrigation levels: 5 m³ to 7m³ per 1,000m² per day

- Fertilizers should be applied regularly via the drip system
- It is recommended to apply two regimes:
 - In vegetative stage N to K ratio of 2:1
 - In elongation stage N to K ratio of 1.5:2
- This can also be achieved by applying one NPK ratio throughout the crop, and adding Ammonium Sulphate in first stage and Potassium Nitrate in second stage
- **ENCHANTE™** is not sensitive to high EC and enjoys high levels of fertigation

Pinching

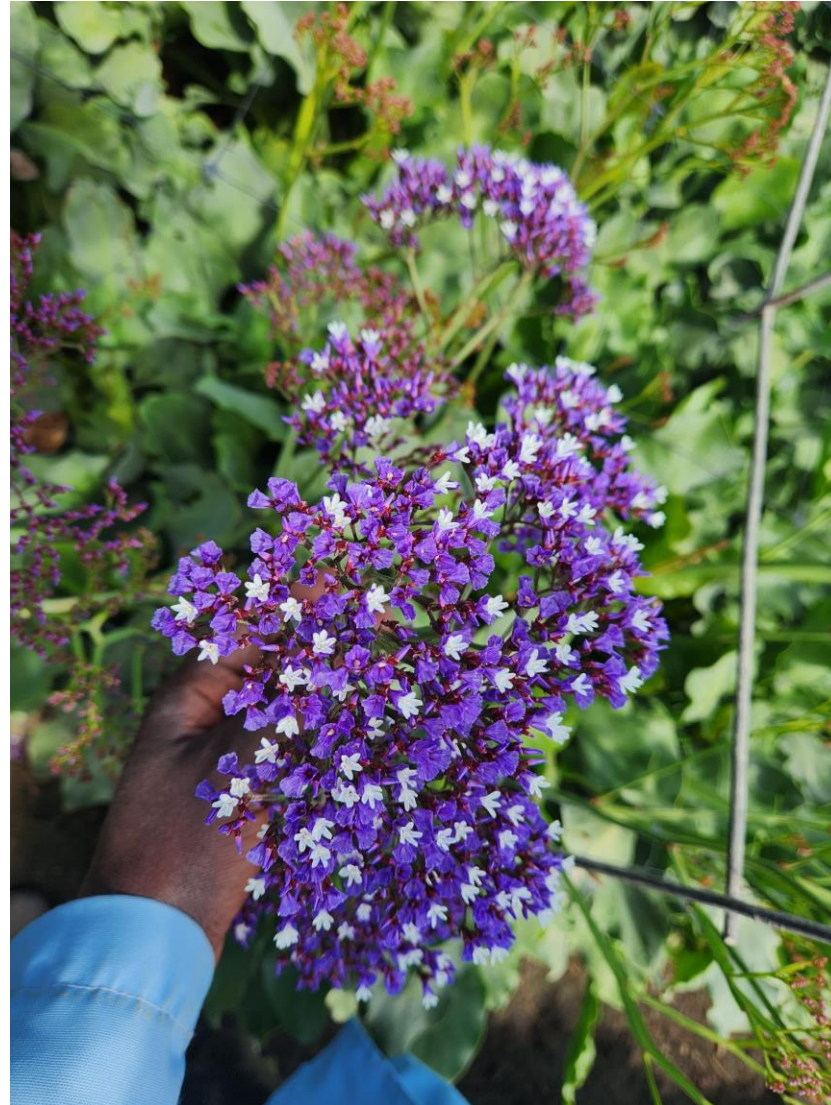
- Apical dominance in ***ENCHANTE***[™] is not prominent
- Pinching is performed mainly to allow for enough vegetative development before elongation begins
- It is possible to do high Pinching- recommended to stay 5 cm against dieback
- In warm regions, shoots are removed once a week until the foliar rosette is well developed (about 40 cm in circumference)
- An alternative practice (mainly in areas with mild climate) is to pinch the first stems late, when color starts developing in flowers.
- In this practice, about 1.5 stems are pinched from each plant on average
- Application of fungicide like Benlet or Captan after pinching is beneficial.

Pinching



- GA is applied after most plants in the field (~80%) have reached the desired stage (around 2 weeks after pinching, when the rosette is 30-40 cm diameter).
- A first treatment of 400 ppm to 500 ppm is applied on the apex of the plants
- A second application is given two weeks later at half the concentration and selective to the plants without shoots (250ppm to 300ppm)
- When implementing the practice of late pinching, no GA treatments are applied
- Don't spray in warm hours – best time is early morning before 8 am.

Cut stage



Harvest

- In **ENCHANTE™**, flowers do not tend to open after harvest. Therefore harvest when 70% to 80% of the flowers are open
- **Post Harvest:** place in following solution for minimum of 4 hours
 - **TOG₁₀** 0. 1%
 - **S.T.S.** 0. 2%
- Place in cold room for maximum 24 hours



Harvesting + Grading



Renewing the flush



Around 3 months after planting, we recommend to defoliate the plant (remove the old leafs) in order to induce new shoots to emerge and it is also affective in maintenance the crop (sprays).

Removing old foliage



Pest and diseases

Alternaria

Supply location Rijnsburg



Pest and diseases

super important to add Traps for **Duponchelia**
(eats the young plants).
They add pheromone from Koppert.





Thank you
:)

Imagine more

