



# Limonium Supreme

**Danziger's  
Cultivation Guide**

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# Botanical Background

- Kingdom: [Plantae](#)
- (unranked): [Angiosperms](#)
- (unranked): [Eudicots](#)
- (unranked): [Core eudicots](#)
- Order: [Caryophyllales](#)
- Family: [Plumbaginaceae](#)
- Genus: Limonium
- Species: Limonium Latifolium

We can find the Limonium all over the globe, especially around beach lines, swamps and deserts

# Propagation

- SUPREME™ 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

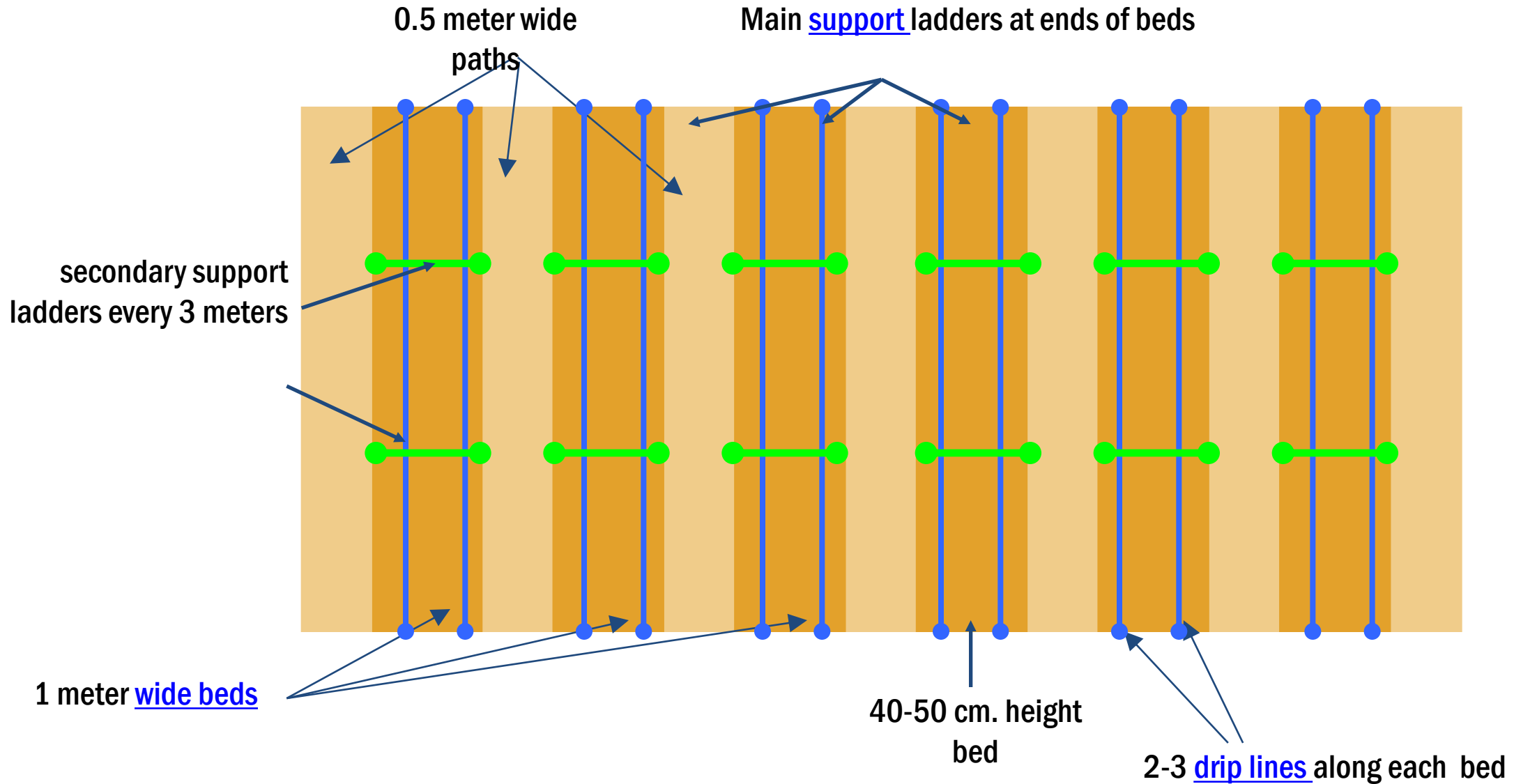
## Hardening



# The Growth Cycle

- The first flush is relatively long: 20 to 22 weeks from planting to harvest
- Following flushes are shorter, around 12 to 14 weeks until harvest begins
- 2 to 2.5 flushes can be obtained per year
- In each flush around 5 to 7 marketable stems are harvested per plant.
- It is also possible to initiate a long continuous harvest without distinctive flushes
- Yield is 450,000 to 550,000 stems per hectare per year, depending on climatic conditions

# Plot Preparation





# Plot Preparation



# Planting Density

- Recommended planting density is 5 to 6 plants per net square meter
- This equals approximately 32,500 to 39,000 plants per gross Hectare
- This is achieved by planting in two lines along each bed, with 33cm to 40cm spaces between plants.



# Planting

- In recent trials, covering the beds with a white plastic mulch was found to be beneficial.
  - They will be planted indoors. In open tunnel or greenhouse.
  - They can grow in light or heavy soil as long as the ground is aerated
  - 2 supporting nets are needed for Limonium Supreme-30X30 cm.



# Irrigation & Fertilization

## Watering:

- After planting: 7- 8 m<sup>3</sup> of water via sprinklers + 2 m<sup>3</sup> through the drip lines with fertilizer

2 weeks later

- In warm seasons 5-6 m<sup>3</sup> per day
- In cold seasons 2-3 m<sup>3</sup> per day

## Fertilization: N:P:K in ppm

N	P	K	STAGE OF DEVELOPMENT
70	20	70	Planting & establishing
250	30	150	Elongating until flowering

# Pinching

- Plants will be pinched when the first branches elongates 1-2 times.
- The pinching point will be above the internode, to avoid die back and bacterial attack.



# GA Treatments

- GA is applied after most plants in the field (~80%) have reached the desired stage.
- A first treatment of 500ppm to 600ppm is applied on the apex of the plants
- A second application is given two weeks later at half the concentration (250ppm to 300ppm)
- After the first treatment we will wait 7 to 10 days, in order to let the rosette to response to the GA.



# Harvest

- Harvest the stems is done when 70-80% of the flowers on the stem are already open.



# Post-Harvest

- **Post Harvest:**
- place in following solution for minimum of 4 hours
  - **TOG<sub>3</sub> 0.15%**
  - **S.T.S. 0.10%**
  - **Sugar 5.0%**
  - **GA 0.025%**
- Place in cold room for maximum 24 hours
- Fumigate in cold room with **Divipan (*dichlorvos* 100 g/L)**





# Pruning

- Pruning is done once a year, all the way down to the ground.
- When a new rosette develops spraying with GA3 is carried out just like in the first year
- In between flashes old and yellowing foliage should be gently removed to allow for new foliage development and to let light into the rosette.



## Limonium Supreme is sensitive to:

- Powdery Mildew
- Downy Mildew
- *Spodoptera littoralis*
- Aphid
- Trips
- Nematode
- *Pernospora*
- *Colletotrichum*

# Commercial Varieties



- **SUPREME™ WHITELIGHT:**

# Commercial Varieties

- **SUPREME™ BLUENIGHT:**





Thank you  
:)

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