Limonium sinuatum

Hipster™

Family, Origin: Plumbaginaceae, Mediterranean area

Product Use: Pots, containers, landscape, cut flower

Minimum Germination Rate: 85 %

Seed Form: Raw

FLOWERING

Flowering Type: Facultative long day plant. A day length > 12 hours will result in flower initiation.

Flowering Mechanism: High light intensity and warmer temperatures shorten the total crop time.

PLUG CULTURE

Germination: Optimum conditions for seedling development, beginning on the day of sowing until radicle emergence. Expect radicle emergence in 4-7 days.

Sowing method: 1 seed per plug.

Media: pH 5.8-6.2; EC 0.5-0.7.

Cover: Cover the seed with vermiculite or substrate after sowing.

Temperature: 18-21 °C on days 1-7. For irrigation use warm water (above 18 °C) only.

Moisture: Begin with a wet (4) for the first 7 days. On day 8 begin to alternate between a wet (4) and a moist (3). On the long term, a moist (3) is optimum for the seedlings. Good ventilation and horizontal airflow will always help.

Humidity: 95-100 % until day 7; then reduce to 40-60 %.

Fertilizer: In the early plug stage, maintain an EC < 0,7. Fertilize the crop with less than 100 ppm nitrogen, using a complete balanced fertilizer.

Flower Initiation: The plants flower more rapidly and grow more uniform and stable if subjected to a cold treatment of 10-13 °C for 3-5 weeks after germination.

Media: pH 5.8-6.2; EC 0.7-1.2.

Light: Protect the seedlings from direct sunlight until they are well established. Afterwards the light levels can be raised to 1,000-2,500 ft. candles or 11,000-27,000 lx).

Temperature: 16-18 °C during night and day. When the roots reach the bottom of the cell, the temperature can be lowered to 13-16 °C.

Fertilizer: Begin fertilizing early to improve seedling quality. When the plants are well established, maintain an EC of 0.7-1.2 with fertilization of 100-175 ppm nitrogren.

Growth Regulators: No growth regulators should be necessary since growth can be controlled by temperature and moisture management. If seedlings are uneven a very light application of B-Nine (daminozide) or Cycocel (chlormequat chloride) can be applied.

Fungicides: Scout for botrytis, powdery mildew and fusarium during the plug stage.

GROWING ON

Media: pH 5.8-6.2; EC 1.2-1.5.

Temperature: 13-16 °C during days, 10-13 °C during nights. Do not grow the plants at higher temperatures. This will keep the plants toned and prevent excessively large leaves.

Moisture: Alternate between moisture levels moist (3) and medium (2). Let plants dry back before re-saturating. Avoid overwatering.

Humidity: 40-60 % humidity is ideal. Providing good ventilation and horizontal airflow will help lower the humidity and dry back the media, providing oxygen to the roots.

Fertilizer: High fertilization levels are required. Fertilize the crop weekly with 175-225 ppm nitrogen, using a complete balanced fertilizer.

Growth Regulators: With proper moisture and temperature management, there should not be a need for growth regulators. Approximately two weeks after transplanting a plug, when plants are established in the final container, a very light application of Cycocel can be applied. For cut flower production, no growth regulators are required at all. Pinch the first floral stem to induce more stems to develop.

Fungicide: Apply fungicides during long periods of low light and high humidity.

Common Diseases: Botrytis, powdery mildew, fusarium.

Pests: Primarily aphids.

Post harvest: For cut flower production, the stems are ready to be harvested when 40-50% of the flowers are showing color. Store in clear water or water treated with a floral preservative solution. The stems will have to be recut later.

⇧	⇔	☼
50-70 cm	30-40 cm	Sun – Partial Shade

Plug Crop Time	
288 tray	4-5 wks
Finished Crop Time (from 288 tray)	
12 cm pots	8-10 wks
15 cm pots	9-11 wks
19 cm pots	10-12 wks

*plants per pot