

SFA

Seeds for Africa

Statice

GERMINATION – STAGE ONE:

Time of radicle emergence (3-5 days)

Soil temperature 70-75° F (21-24° C).

Keep media evenly moist but not saturated.

Cover the seed lightly with coarse vermiculite.

Light at 100-400 foot-candles may be beneficial for germination.

Soil pH 5.5-5.8 and soluble salts (EC) less than 0.75 mmhos/cm (2:1 extraction).

Statice is very sensitive to high salts, particularly high ammonium, during germination.

Keep ammonium levels less than 10 ppm.

STAGE TWO:

Stem and cotyledon emergence (4-7 days)

Soil temperature 70-75° F (21-24° C).

Reduce moisture levels once radicle emergence occurs! Allow the soil to dry out slightly before watering for best germination and rooting.

Keep soil pH 5.5-5.8 and EC less than 0.75.

Keep ammonium levels less than 10 ppm.

Begin fertilizing with 50 75 ppm N from 14-0-14 or a calcium/potassium nitrate feed once cotyledons are fully expanded.

Alternate feed with clear water.

Irrigate early in the day so foliage is dry by nightfall to prevent diseases.

STAGE THREE:

Growth and development of true leaves (10-14 days)

Soil temperature 65-70° F (18-21° C).

Allow the soil to dry thoroughly between irrigations but avoid permanent wilting to promote root growth and control shoot growth.

Maintain soil pH 5.5-5.8 and EC less than 1.0.

Increase feed to 100 150 ppm N from 20-10-20 alternating with 14-0-14 or other calcium/ potassium nitrate fertilizer.

Fertilize every 2 3 irrigations.

If using 15-0-15 supplement with magnesium 1 2x during this stage, using magnesium sulfate (16 oz/100 gal) or magnesium nitrate. Do not mix magnesium sulfate with calcium nitrate as precipitate will form.

Use DIF whenever possible, especially the first 2 hours after sunrise, to control plant height.

Plant growth regulators are not needed for Statice.

STAGE FOUR:

Plants ready for transplanting (7-10 days)

Soil temperature 60-65° F (16-18° C).

Allow soil to dry thoroughly between irrigations.

Maintain soil pH 5.5-5.8 and EC less than 0.75.

Fertilize with 14-0-14 or calcium/potassium nitrate feed at 100 150 ppm N as needed.

GROWING ON TO FINISH:

TEMPERATURE:

Night – 50-55° F (10-13° C)

Day – 55-60° F (13-16° C)

LIGHT:

Maintain light levels as high as possible while maintaining moderate temperatures.

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