



## TigerEye

**Minimum Germination Rate:** 85%

**Seed Product Form:** Raw, pelleted

### FLOWERING

**Time frame when plants are receptive to flower initiation:** 6 – 8 leaves present or about days 21 – 35.

**Flowering Type:** Obligate long-day plant (primary) – long days (greater than 13 hours) will initiate flowering.

**Specific Flowering Mechanism:** Maturity and long days trigger flowering.

### PLUG CULTURE

**Germination:** Optimum conditions for seedling development that begins the day the crop is sown until cotyledon expansion. Expect radicle emergence in 10 – 14 days.

**Cover:** A light covering over the seed is recommended. Avoid media compaction.

**Media:** • pH: 6 – 6.2

• EC: <1

**Light:** Light is necessary for germination. Provide a light source of 10 – 100 foot candles if utilizing a chamber.

**Temperature:** 75° – 78°F (24° – 25°C) until radicle emergence.

**Moisture:** Provide wet (4+) level day 1 – 14. On day 15, alternate between wet (4) and moist (3); dry back must occur within 18 hours.

**Humidity:** 100% from day 1 – 14 or until seed coats are shed.

**Dehumidify:** After seed coats have been shed, lower humidity to 40%. Provide horizontal airflow to aid in drying down the media through evapotranspiration, allowing better penetration of oxygen to the roots.

**Plug Bulking/Flower Initiation:** Optimum conditions during the vegetative period, beginning at cotyledon expansion, needed for the root to reach the edge of the plug cell; and to make the plant receptive to flower initiation.

**Media:** • pH: 6 – 6.2

• EC: 1 – 1.5

**Light:** 2,500 – 4,500 foot candles (25,000 – 45,000 lux or 8- 16 mols)

**Temperature:** 64 – 67°F (18° – 19.5°C) with -5 to -10°F (-3 to -5.5°C) DIF or morning drop.

**Moisture:** Alternate between wet (4) and moist (3); dry back must occur within 18 hours.

**Fertilizers:** 14-4-14 or 17-5-17 at 50 – 100 ppm nitrogen or add calcium nitrate or calcium chloride at 50 ppm once a week from March 15 – September 21.

**Growth Regulators:** If needed, spray B-Nine (daminozide) at 1,250 – 2,500 ppm or Sumagic (uniconazole).

**Fungicides:** Preventative fungicide should be applied between days 21 – 35 for foliar diseases, especially Botrytis.

### GROWING ON

**Transplant Ready:** 5 – 8 weeks from a '288' plug tray.

**Finish Bulking/Flower Initiation:** Optimum conditions during the vegetative period, beginning at transplant, needed for the root to reach the edge of the container AND to make the plant receptive to flower initiation.

**Media:** • pH: 6 – 6.2

• EC: 1.5 – 1.75

**Light:** Provide 3,500 – 5,500 foot candles (12 – 20 mols of light, or 35,000 – 55,000 lux).

**Temperature:** 64 – 67°F (18° – 19.5°C) with -5 to -10°F (-3 to -5.5°C) DIF or morning drop.

**Moisture:** Alternate between wet (4) and moist (3); dry back must occur within 18 hours.

**Humidity:** 40%.

**Fertilizers:** 14-4-14 or 17-5-17 at 50 – 100 ppm nitrogen or add calcium nitrate or calcium chloride at 50 ppm once a week from March 15 – September 21. A weekly supplement of magnesium sulfate (Epsom salts) at 16 oz/100 gallons will enhance the foliage color.

**Growth Regulators:** It is best to control growth through moisture, feed and temperature management. If needed, apply sprays of B-Nine (daminozide) at 2,500 – 5,000 ppm, or Bonzi (paclobutrazol) or Sumagic (uniconazole).

### TECHNIQUES TO ENHANCE POST HARVEST QUALITY

**When to treat:** 1 – 2 weeks prior to finish or shipping

**Growth regulators:** B-Nine (daminozide) at 2,500 – 3,000 ppm

**Fertilizer:** Potassium nitrate drench at 150 ppm nitrogen

**Common Diseases:** Botrytis, Pythium. To reduce disease pressure monitor moisture and humidity levels, and use preventative fungicide drenches and sprays.

**Common Pests:** Fungus Gnats, Shore Flies, White Fly.

PRODUCT USE	GARDEN SPECIFICATIONS
Containers, mass plantings, combinations	<b>Light:</b> Full sun <b>USDA Hardiness Zone:</b> 10 <b>AHS Heat Zone:</b> 12 – 1

	Garden Height	Garden Width
<b>TigerEye</b>	16 – 24" (40 – 60 cm)	16 – 24" (40 – 60 cm)

### RUDBECKIA SCHEDULING IN WEEKS

	TigerEye
<b>Total crop time</b>	11 – 15
<b>'288' plug crop time</b>	5 – 8
<b>Transplant to finish crop time</b>	
<b>Packs</b>	3 – 4 (sold green)
<b>4" crop</b>	5 – 7
<b>6" crop</b>	6 – 8, depending on number of plugs transplanted

*Note: These suggestions are only guidelines and may have to be altered to meet individual grower's needs. Check all chemical labels to verify registration for use in your region.*