

# RAINBOW

*Chrysanthemum x morifolium*



The Rainbow collection is composed of vibrant, bicolor blooms in hues of compatible tones. With excellent branching and low PGR requirements for all six options, Rainbow is the ideal novel counterpart to the classic Breeze series.



Rainbow Carousel



Rainbow Circus



Rainbow Pink Secret

STATUS	CULTIVAR	CULTIVAR CODE	RESPONSE TIME (WEEKS)	VIGOR	FLOWER TYPE
<b>Top Pick</b>	Rainbow Carousel	65713	7.5	●●●○○	Daisy
<b>Top Pick</b>	Rainbow Circus	65322	7	●●●○○	Daisy
	Rainbow Pink Secret	65608	7	●●●○○	Daisy
	Rainbow Passion	65696	7.5	●●●●○	Daisy
<b>Top Pick</b>	Rainbow Sunset	65712	7.5	●●●○○	Daisy
	Rainbow Vulcano	65639	7.5	●●●○○	Daisy

●○○○○ *Compact* ●●○○○ *Medium-compact* ●●●○○ *Medium* ●●●●○ *Medium-vigorous* ●●●●● *Vigorous*

*\*indicates limited availability*

**STICKING**

Rooting Hormone?	<b>Optional with 1,200-1,500 ppm Indole-3-butyric acid (IBA)</b>
Direct Stick Instructions	<b>Stick cuttings in a ring towards the outside of the pot at a slight outward-facing angle. Do not cluster cuttings towards the center of the pot.</b>
Misting instructions	<b>Keep leaves coated and turgid (without saturating the media) until callus forms</b>
Rooting Humidity	<b>100% from day 0-8 Reduce from 95% to 70% from day 9-14</b>

**CONTAINER SIZE****4"-4.5"(10-11cm)****6 in. (15 cm)****PLANTS PER POT****1-3****4-5****VEGETATIVE TIME (WEEKS)****4-5****4-5****FERTILITY**

Fertilizer Rate	<b>Moderate: 200 ppm N with 17-5-17 or 20-10-20 to charge media once callus forms. 200-300 ppm N with 17-5-17 thereafter</b>
Long-Day EC Range	<b>0.6-1.0 mS via SME</b>
pH Range	<b>5.8-6.2</b>

**TEMPERATURE**Average Soil Temp **68-70°F (20-21°C)**Average Air Temp **68-72°F (20-22°C)****IRRIGATION**Irrigation Frequency (after day 14) **Level 4: Keep media moderately moist at all times****LIGHT**Vegetative Photoperiodic Requirements **Long Day**Supplemental **To maintain vegetative growth: Night interruption from 10pm-2am using minimum 10fc (108 lux).**Benefits From Shade? **Keep light levels below 4200 fc (45000 lux) until callus forms. Full sun conditions should persist thereafter.****PINCHING**

Pinch when roots reach the sides and bottom of the pot leaving at least 4-7 leaves. Usually about 16-25 days after stick.

**POTENTIAL DISEASES***Botrytis, Pythium, Rhizoctonia*, powdery mildew**POTENTIAL PESTS**

Aphids, spider mites, thrips, mealy bugs

**GROWTH REGULATION**

- B-Nine (85% Daminozide) at 1250-2500 ppm: (7-10 day summer rotation) (10-15 day spring/rotation) (14-21 day winter rotation).
- Rainbow can be grown in a negative DIF environment; night temps at 68°F (20°C) and day temps at 64°F (18°C).

**TIPS**

- Place cuttings in cooler upon arrival at 46-50°F (8-10°C).
- Sensitive to cool growing temperatures, keep air temps 68-72°F (20-22°C)

**FERTILITY**

Fertilizer Rate	<b>100-125 ppm N with 17-5-17</b>
Short Day EC Range	<b>1.0-1.5 mS via SME</b>
pH Range	<b>5.7-6.2</b>

**TEMPERATURE**

Day Temperature	<b>67-72°F (19-22°C)</b>
Night Temperature	<b>62-65°F (17-18°C)</b>

**IRRIGATION**

Irrigation Frequency	<b>Level 3: Keep media moderately moist at all times</b>
Humidity	<b>Humidity should remain between 70-85%. Humidity above 95% increases the risk of disease and should be avoided.</b>

**LIGHT**

Flowering Photoperiodic requirements	<b>Short Day</b>
Photoperiodic Instructions	<b>Between 12.75-13.5 hours of darkness until flower color is visible.</b>
Supplemental	<b>Optional on cloudy/overcast days</b>
Benefits From Shade?	<b>No</b>

**BUD INSTRUCTIONS**

Disbudding is not required though center budding is optional.

**POTENTIAL DISEASES**

*Botrytis, Pythium, Rhizoctonia*, powdery mildew

**POTENTIAL PESTS**

Aphids, spider mites, thrips, mealy bugs

**GROWTH REGULATION**

- B-Nine (85% Daminozide) at 1250-2500 ppm:
  - 7-10 day summer rotation
  - 10-15 day spring/autumn rotation
  - 14-21 day winter rotation).

**TIPS**

- Switching to clear water when plants are in 30% color will extend shelf life at retail and for the consumer.
- If you can read a newspaper under blackout, it's not dark enough. Streetlights, moonlight, etc should be taken into account to reduce the chance of short day interruption.
- Ensure plants are adequately spaced to promote a strong healthy crop with a rounded habit. Proper spacing accommodates plants touching slightly when full grown.
- Night temperatures above 73°F (23°C) will result in heat delay which will postpone the listed response time. Open blackcloth when complete darkness has fallen to vent stagnate hot air.
- Sensitive to cool growing temperatures, keep air temps 62-72°F (17-22°C)