

# Daybreak F<sub>1</sub> Series Gazania

*The Number One Choice for Vigorous Garden Performance!*

- Nine-color series leads the pack with exceptional germination uniformity and young plant performance, strong colors on large blooms, and excellent free-flowering, vigorous habit.
- A Hot Summer Survivors selection...great heat and drought tolerance.
- Durable, easy-to-grow plants reach 8 to 10 in. (20 to 25 cm) outdoors.
- Well-suited to high-density pack programs.
- Now supplied as Coated Seed with a 90% germination standard.
- **Daybreak** series gazanias are available as seed or plugs. Call your local distributor or PanAmerican Seed at 800 231-4868 today.

*G. rigens*

Approximate seed count: 300 S./g (Coated).

## Plug Production

### Plug Tray Size

**Daybreak** gazania seedlings can be produced in plug tray sizes as small as 406-cell. Plug time in this cell size is approximately 4 weeks. If bigger cell size trays such as 200 or 288 are used, plants can take 4 to 5 weeks to finish.

### Media

Use a well-drained, disease-free, soilless medium with a pH of 5.8 to 6.2, and a medium initial nutrient charge (EC) of 0.75 mmhos/cm (1:2 extraction).

### Sowing

Cover the seed with a medium layer of coarse-grade vermiculite. Allow 3 to 4 days for germination.

### Temperature

**Germination:** 70 to 72°F (21 to 22°C)

**Cotyledon stage:** 65 to 72°F (18 to 22°C)

**True leaves:** 65 to 70°F (18 to 21°C)

**Hold plugs:** 65 to 68°F (18 to 20°C)

### Light

**Stage 1:** Light is not required for germination.

**After germination:** 1,000 to 2,500 f.c. (10,000 to 25,000 Lux).

**Seedling maturity:** Up to 3,000 f.c. (30,000 Lux).

### Humidity

Maintain 95% relative humidity (RH) until cotyledons emerge during germination.

### Soil Moisture

Avoid excessive moisture to prevent any incidence of damping-off. Maintain a medium level of moisture. Do not allow seedlings to wilt.

### Fertilizer

**Stage 2:** Apply 50 to 75 ppm N, maintaining an EC of 1.0.

**Late Stage 3 & 4:** Apply 100 to 150 ppm N, maintaining an EC of 1.0 to 1.5.

### Growth Regulators

Not required.

## Growing On to Finish

### Container Size

**Daybreak** gazanias are well-suited to cell-packs and 6-in. (15-cm) pots with 3 plants per pot.

### Media

Use a well-drained, disease-free, soilless medium with a pH of 5.8 to 6.2, and a medium initial nutrient charge, maintaining an EC of 1.5 to 2.0 mmhos/cm.

### Temperature

**Nights:** 55 to 60°F (13 to 15°C).

**Days:** 65 to 68°F (18 to 20°C).

### Light

Keep light levels from moderate to high.

### Irrigation & Fertilizer

Maintain even moisture. Do not allow plants to wilt. Feed plants weekly with 150 to 200 ppm N with a complete fertilizer.

### Growth Regulators

If needed, use B-Nine at 3,500 ppm to tone the crop.

## **Crop Scheduling**

**Sow to transplant (392 or 406 cell plug tray):**

4 weeks.

**Transplant to saleable 6-in. (15-cm) pot:** 8 to 9

weeks with 3 plants per pot.

The light levels influence crop finishing time. When grown in areas with low light levels or during periods of lower light intensities, the crop time could be a few weeks (3 to 4 weeks) longer.

## **Common Problems**

**Diseases:** Damping-off during seedling production.

**Insects:** Check for aphids, mites, thrips, and whiteflies.

PanAmerican Seed

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