

Daybreak F₁ 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.

PanAmericanSeed

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