



syngenta®flowers

Gazania Big Kiss™

Culture Guide

Botanical name: *Gazania rigens*

Product form: Seed

Containers: Pints, Quarts, Gallons, Hanging Baskets

Habit: Mounded

Garden Specifications

Garden Height: 10–12" (25–30 cm) tall

Garden Width: 10–12" (25–30 cm) wide

Exposure: Full sun

USDA zone: 8

AHS zone: 12–3

Product use: Containers, Hanging Baskets, Landscapes

Germination

Stages 1 & 2

Germination time: 4–6 days

Media temp: 70–75 °F (21–24 °C)

Chamber: Optional

Light: Not required for germination

Seed cover: Yes

Moisture level: 4 - WET: Soil is dark brown but not shiny, no free water is seen at the surface of the soil, when pressed or squeezed water drips easily, and trays are heavy with a visible bend in the middle.

Rec. tray size: 288-cell tray

Seeds per cell: 1

Young Plant Production

Stages 3 & 4

Temperature

Day: 66–68 °F (19–20 °C)

Night: 66–68 °F (19–20 °C)

Average daily temperature: 67 °F (19 °C)

Lighting

Day extension lighting: Beneficial to 14 hours

Light intensity: 2,500–3,500 foot candles (500–700 micro mols)

Day length response: Facultative long day

Daily light integral: 10–12 mols/day

Media pH: 5.5–5.9

Media EC: SME 0.5 to 0.75 mS/cm

Fertilizer: 75–125 ppm N

Moisture level: Media should be allowed to dry between irrigations. Alternate between moisture level 2 and 3.

2 - MEDIUM: Soil is light brown in color, no water can be extracted from soil, and soil will crumble apart.

3 - MOIST: Soil is brown in color, strongly squeezing the soil will extract a few drops of water, and trays are light with no visible bend.

Pinching: No

Plant growth regulators (PGRs): PGRs are not necessary under normal growing conditions. Under low light and/or high temperatures and humidity, spray with B-Nine® WSG at 1,500–2,500 ppm to control leaf stretch.

Plug grow time: 5–6 weeks in a 288-cell tray

Comments: Growing Gazania plugs on the dry side and keeping them moderately cool will help prevent leaf stretch.

Finishing

Temperature

Day: 70–72 °F (21–22 °C)

Night: 58–60 °F (14–16 °C)

Average daily temperature: 64 °F (18 °C)

Lighting

Day extension lighting: Beneficial to 14 hours

Light intensity: 6,000–8,000 foot candles

Day length response: Facultative long day

Daily light integral: 16–18 mols/day

Transplanting: Transplant directly into the finished container. Place the rooting media slightly above the level of media in the container. Make sure the root ball is covered and that the plug is situated in the center of the pot.



Media pH: 5.8–6.2

Media EC: SME EC: 1.5–2.1 mS/cm, PourThru EC: 2.3–3.2 mS/cm

Fertilizer: 125–175 ppm N

Pinching: No. Pinching is not recommended or needed.

Plant growth regulators (PGRs): Usually not needed.

Tech tip: Do not bury the crown when transplanting to avoid crown rot. Grow on the dry side.



Try Chrysal Alesco®, a postharvest foliar spray, to protect ethylene sensitive crops during shipping and retail

Moisture level: Media should be allowed to dry between irrigations.

Alternate between moisture level 2 and 3.

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3 - MOIST: Soil is brown in color, strongly squeezing the soil will extract a few drops of water, and trays are light with no visible bend.

Common pests: Aphids, Thrips, Spider mites

Common diseases: Botrytis, Rhizoctonia, Sclerotinia

Scheduling

Size	Crop Time	Plants Per Pot
Packs	8–9 weeks	1 ppp
Large Packs	8–9 weeks	1 ppp
1.0 pint (4 inch)	8–10 weeks	1 ppp
1.0 quart (4.5 to 5 inch)	9–11 weeks	1 ppp
1.25 to 2.5 quart (5.5 to 6.5 inch, trade gallon)	9–11 weeks	2–3 ppp
1.5 gallon hanging basket (10 inch basket)	9–11 weeks	3–5 ppp

Estimated finish crop time is from transplant of a 288-cell tray and finished at an average daily temperature (ADT) of 64 °F (18 °C).

Example crop schedule for a 1.0 quart

Weeks From Transplant	Description
1 week	Provide high light
10 weeks	Ready to ship

Big Kiss™ White Flame Imp.



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