



Jaguar™
Spring Time Mix

syngenta®flowers

Gerbera Jaguar™

Culture Guide

Botanical name: *Gerbera jamesonii*

Product form: Seed

Containers: Pints, Quarts, Gallons, Hanging Baskets

Habit: Upright

Garden Specifications

Garden Height: 8–10" (20–25 cm) tall

Garden Width: 6–8" (15–20 cm) wide

Exposure: Full sun

USDA zone: 10

AHS zone: 12–1

Product use: Containers, Hanging Baskets, Landscapes, Patio Pots, Combos

Germination

Stages 1 & 2

Germination time: 4 days

Media temp: 74–76 °F (23–24 °C)

Chamber: Optional

Light: Required for germination

Seed cover: No

Moisture level: 5 - SATURATED: Soil is dark brown and shiny, free water is present at the surface of the soil, water drips freely from the bottom of the tray, and trays are heavy with a visible bend in the middle.

Rec. tray size: 128-cell tray

Seeds per cell: 1

Young Plant Production

Stages 3 & 4

Temperature

Day: 68–70 °F (20–21 °C)

Night: 64–66 °F (18–19 °C)

Average daily temperature: 69 °F (21 °C)

Lighting

Day extension lighting: Not necessary

Light intensity: 3,500–5,000 foot candles (700–1,000 micro mols)

Day length response: Facultative short day

Daily light integral: 12–14 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 4.

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

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.

Pinching: No

Plant growth regulators (PGRs): Usually not needed in the plug but if necessary spray with B-Nine® WSG at 1,250–2,500 ppm.

Plug grow time: 5–6 weeks in a 128-cell tray

Comments: Under low light conditions provide supplemental HID light if possible; do not extend day length as this will extend the time to flower. It is critical to allow adequate dry back between irrigations to prevent stunted and distorted growth. Because of this do not mist at night. If germinating on a bench it is best to use a tent system to increase humidity and reduce the frequency of irrigations/misting.

Finishing

Temperature

Day: 70–72 °F (21–22 °C)

Night: 66–68 °F (19–20 °C)

Average daily temperature: 69 °F (21 °C)

Lighting

Day extension lighting: Not necessary

Light intensity: 4,000–6,000 foot candles

Day length response: Facultative short day

Daily light integral: 14–16 mols/day

Transplanting: Transplant directly into the finished container. Place the rooting media about 1/4" above the level of media in the container. Do not bury the crown. Make sure that the root ball is covered and that the plug is situated in the center of the pot.

Media pH: 5.5–5.9

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): If needed sprays of B-Nine® WSG at 2,500–5,000 ppm or A-Rest® at 1–3 ppm are effective. Under long day conditions leaves will be larger so more frequent PGR applications may be necessary. Do not apply PGRs once the buds reach 1 cm (0.4 inches) in diameter (pea size) since this can cause smaller flower and short flower stems.

Tech tip: It is critical to not plant the plug too deep so as to bury the crown. Buried crowns can lead to hard, distorted growth or crown rot. Space plants on time so the leaves from one plant will not cover the center of another; shading the crown will delay flowering.



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

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Common pests: Aphids, Fungus gnats, Shore flies, Broad mites, Cyclamen mites, Spider mites, Thrips, Whiteflies, Leafminers

Common diseases: Alternaria, Botrytis, Powdery mildew, Phytophthora, Rhizoctonia, Pythium

Scheduling

Size	Crop Time	Plants Per Pot
1.0 pint (4 inch)	9–10 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	1–2 ppp
3.0 quart to 2.0 gallon (7.5 to 10 inch)	10–12 weeks	3–5 ppp
1.5 gallon hanging basket (10 inch basket)	10–12 weeks	3–5 ppp
2.0 gallon hanging basket (12 inch basket)	10–12 weeks	4–5 ppp

Estimated finish crop time is from transplant of a 128-cell tray and finished at an average daily temperature (ADT) of 69 °F (21 °C).

Example crop schedule for a 1.0 quart

Weeks From Transplant	Description
3 weeks	Apply plant growth regulators (PGRs) if necessary
5 weeks	Apply plant growth regulators (PGRs) if necessary
7 weeks	Apply plant growth regulators (PGRs) if necessary but only if the flower bud is less than 1 cm (0.4 inches) across
9 weeks	Ready to ship

Jaguar™ Red Imp.



syngenta® flowers

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