



Atlantis™ Mix

syngenta®flowers

Schizanthus Atlantis™

Culture Guide

Botanical name: *Schizanthus × wisetonensis*

Product form: Seed

Containers: Quarts, Gallons

Habit: Upright

Garden Specifications

Garden Height: 8–10" (20–25 cm) tall

Garden Width: 8–10" (20–25 cm) wide

Exposure: Part sun

USDA zone: 11

AHS zone: 10–1

Product use: Containers, Landscapes, Patio Pots

Germination

Stages 1 & 2

Germination time: 7–14 days

Media temp: 62–65 °F (17–19 °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: 62–64 °F (17–18 °C)

Night: 62–64 °F (17–18 °C)

Average daily temperature: 63 °F (17 °C)

Lighting

Day extension lighting: Necessary to 14 hours

Light intensity: 3,000–4,000 foot candles (600–800 micro mols)

Day length response: Obligate long day

Daily light integral: 14–16 mols/day

Media pH: 5.8–6.2

Media EC: SME 0.25 to 0.5 mS/cm

Fertilizer: 50–75 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): If needed, spray with B-Nine® WSG at 1,500–2,500 ppm.

Plug grow time: 4–7 weeks in a 288-cell tray

Comments: Keep plugs under short days to avoid premature flowering.

Finishing

Temperature

Day: 60–62 °F (16–17 °C)

Night: 56–58 °F (13–14 °C)

Average daily temperature: 59 °F (14 °C)

Lighting

Day extension lighting: Necessary to 14 hours

Light intensity: 2,000–4,000 foot candles

Day length response: Obligate long day

Daily light integral: 10–12 mols/day

Transplanting: Transplant directly into the finished container. Place the rooting media slightly below 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: 0.9–1.3 mS/cm, PourThru EC: 1.4–2.0 mS/cm

Fertilizer: 125–175 ppm N

Pinching: No. Pinching is not recommended or needed.

Plant growth regulators (PGRs): PGRs are usually not required when grown under the recommended temperatures. If needed, spray with B-Nine® WSG at 1,500–3,000 ppm.

Tech tip: Keep under short days for two weeks after transplant to allow plants to bulk, then extend the day length to 14 hours to induce flowering. Keep plants on the dry side to avoid soft growth that is prone to Botrytis and soft rots. Highly sensitive to Tospoviruses (INSV and TSWV), so it is imperative to control Thrips.

Scheduling

Size	Crop Time	Plants Per Pot
1.0 quart (4.5 to 5 inch)	7–9 weeks	1 ppp
1.25 to 2.5 quart (5.5 to 6.5 inch, trade gallon)	8–10 weeks	1 ppp

Estimated finish crop time is from transplant of a 288-cell tray and finished at an average daily temperature (ADT) of 59 °F (14 °C).

Example crop schedule for a 1.0 quart

Weeks From Transplant	Description
1 week	Provide short days to allow bulking
3 weeks	Provide 14-hour days to promote flowering. If needed, spray with B-Nine® WSG at 1,500–3,000 ppm
8 weeks	Ready to ship



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.

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.

Common pests: Thrips, Whiteflies, Aphids, Spider mites

Common diseases: Botrytis, Tospovirus



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