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:** 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 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

**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 (NSV and TSWV), so it is imperative to control Thrips.

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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: Thrips, Whiteflies, Aphids, Spider mites
Common diseases: Botrytis, Tospovirus

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

Scheduling

<table>
<thead>
<tr>
<th>Size</th>
<th>Crop Time</th>
<th>Plants Per Pot</th>
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</thead>
<tbody>
<tr>
<td>1.0 quart (4.5 to 5 inch)</td>
<td>7–9 weeks</td>
<td>1 ppp</td>
</tr>
<tr>
<td>1.25 to 2.5 quart (5.5 to 6.5 inch, trade gallon)</td>
<td>8–10 weeks</td>
<td>1 ppp</td>
</tr>
</tbody>
</table>

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

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