

Aurinia Summit™

Culture Guide



Botanical name: *Aurinia saxatilis*

Product form: Seed

Containers: Quarts, Gallons

Habit: Mounding

Vernalization: Required

Garden Specifications

Garden Height: 6–8" (15–20 cm) tall

Garden Width: 6–8" (15–20 cm) wide

Exposure: Full sun

USDA zone: 3–8

AHS zone: 8–3

Product use: Containers, Landscapes

Germination

Stages 1 & 2

Germination time: 3–6 days

Media temp: 68–72 °F (18–22 °C)

Chamber: Optional

Light: Not required for germination

Seed cover: No

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: 3–4

Young Plant Production

Stage 3 & 4

Temperature

Day: 64–66 °F (18–19 °C)

Night: 66–68 °F (19–20 °C)

Average daily temperature: 65 °F (18 °C)

Lighting

Day extension lighting: Not necessary

Light intensity: 200–250 $\mu\text{mol}\cdot\text{m}^{-2}\cdot\text{s}^{-1}$ for the first two weeks after sowing or until true leaf development occurs. Light levels can be increased up to 600 $\mu\text{mol}\cdot\text{m}^{-2}\cdot\text{s}^{-1}$ as rooting increases and the seedling matures.

Day length response: Day neutral

Daily light integral: 10–12 $\text{mol}\cdot\text{m}^{-2}\cdot\text{d}^{-1}$

Media pH: 5.5–5.9

Media EC: SME 0.25 to 0.5 mS/cm



Summit™ Golden Yellow

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): While correct growing temperature will control growth, a B-Nine® WSG spray at 2,500 ppm can be used.

Plug grow time: 6–7 weeks in a 288–cell tray

Comments: N/A

Bulking and Vernalization

Vernalization: Required

Bulking

Bulking Time: See Scheduling Section

Temperature: 64–66 °F (18–19 °C)

Pinch: No

PGR: While the correct production temperatures will normally control growth, B-Nine® (daminozide) sprays at 2,500 ppm can be used.

Vernalization

Vernalization Time: 5–8 weeks

Temperature: 40–50 °F (5–10 °C)

Tech tip: Practice good moisture management during vernalization to avoid disease issues.

Finishing

Temperature

Day: 64–66 °F (18–19 °C)

Night: 56–58 °F (13–14 °C)

Average daily temperature: 60 °F (16 °C)

Lighting

Day extension lighting: Not necessary

Light intensity: 800–1,200 $\mu\text{mol}\cdot\text{m}^{-2}\cdot\text{s}^{-1}$

Day length response: Day neutral

Daily light integral: 12–14 $\text{mol}\cdot\text{m}^{-2}\cdot\text{d}^{-1}$

Transplanting: Transplant directly into the finished container. Place the rooting media slightly above the level of media in the container. 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: 75–125 ppm N

Pinching: No. Pinching is not recommended or needed.

Plant growth regulators (PGRs): If needed, sprays of B-Nine® WSG (daminozide) at 2,500 ppm can be used.

Tech tip: Spray for downy mildew preventative when growing under high humidity conditions and prolonged leaf wetness.



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: Aphids

Common diseases: Botrytis

Scheduling

| Size | Crop Time | | | Plants Per Pot |
|--|-----------|-----------|-----------|----------------|
| | Bulk | Vern. | Finish | |
| 1.0 quart (4.5 to 5 inch) | 5–6 weeks | 5–8 weeks | 5–6 weeks | 1 ppp |
| 1.25 to 2.5 quart (5.5 to 6.5 inch, trade gallon) | 6–7 weeks | 5–8 weeks | 6–7 weeks | 2–3 ppp |

Estimated finish crop time is from transplant of a 288-cell tray and finished at an average daily temperature (ADT) of 60 °F (16 °C).

Example crop schedule for a 1.0 quart

| Weeks From Transplant | Description |
|-----------------------|--|
| 1 week | Transplant one plug into the center of the container |
| 5 weeks | Finish the bulking period and start to lower temperatures to begin vernalization |
| 10 weeks | Complete vernalization and begin to raise temperatures to force flowering |
| 15 weeks | Finish |



Summit™ Golden Yellow