# GrowerFacts

PanAmericanSeed®

## Aquilegia Winky Single Series

*(Aquilegia vulgaris)*

Perennials Culture (revised 01/20/21)

**Plug crop time:** 7 to 8 weeks
**Transplant to finish:** 26 to 40 weeks

- Winky's unique colours and abundance of upright-facing flowers make for strong sales appeal – the most floriferous Aquilegia at retail!
- Plants ship and retail well.
- Uniform in habit and height, with strong stems and vigorous, bushy habit.
- Useful for containers and landscapes.
- Flowers Spring to early Summer, with recommended sowing time June to July.

## General Information

| Exposure | Bloom Season | Height | Spread | Spacing |
|---|---|---|---|---|
| Partial Sun | Late Spring, Summer | 12-14 in.<br>(30-36 cm) | 12-14 in.<br>(30-36 cm) | 12-16 in.<br>(30-41 cm) |

## Germination

| Seed Form | Recommended Plug Size | Seeds/Cell | Plug Crop Weeks | Days from 50% to maximum germination | Initial Media pH/EC (1:2) | Cover Seed |
|---|---|---|---|---|---|---|
| RAW | 288 | 2-3 | 7-8 | 7-12 | 5.8-6.4 pH<br>0.75 mmhos/cm | Light cover |

## Plug Production

| | Stage 1 | Stage 2 | Stage 3 | Stage 4 |
|---|---|---|---|---|
| **Moisture** | Level 4 | Level 3-4 | Level 2-3 | Level 2 |
| **Temperature** | 68-72°F<br>(20-22°C) | 65-68°F<br>(18-20°C) | 65-68°F<br>(18-20°C) | 60-65°F<br>(16-18°C) |
| **Light** | Optional | 2,500 f.c.<br>(26,900 Lux) | 2,500 f.c.<br>(26,900 Lux) | 5,000 f.c.<br>(53,800 Lux) |
| **Fertiliser** | | Less than 100 ppm N<br>(Less than 0.7 EC) | 100 to 175 ppm N<br>(0.7 to 1.2 EC) | 100 to 175 ppm N<br>(0.7 to 1.2 EC) |

### Vernalisation

Yes - duration of 8 to 10 weeks; juvenility min. 10 to 12 true leaves

### Juvenility

Juvenility min. 10 to 12 true leaves

## Growing on to Finish

| Growing on Temperature | Target Media pH/EC (1:2) | Fertiliser | Daylength |
|---|---|---|---|
| **(day)** 60-72°F (16-22°C)<br>**(night)** 50-59°F (10-15°C) | 5.8-6.2 pH<br>1.0-1.5 mmhos/cm | 175 to 225 ppm N<br>(1.2 to 1.5 EC) | Day Neutral |

### Daylength Notation

Aquilegia is a day-neutral plant after vernalization. Long days of 14 hours or longer could stimulate stem elongation and slightly hasten flowering after the vernalization period.

## Crop Scheduling

| Crop Type | Container Size | Plugs/Pot | Crop Time | Season | PGR |
|---|---|---|---|---|---|
| Overwinter | 4"/4.5"/Quart/10 cm | 1-2 (ppp) | 32-40 (weeks) | Spring | daminozide 1,250-2,500 ppm Spray |
| Overwinter | 5"/6"/1 Gallon/15 cm | 2-4 (ppp) | 32-40 (weeks) | Spring | daminozide 1,250-2,500 ppm Spray |

### Common Problems

Monitor for Powdery Mildew, Sclerotinia, Aphids, Leaf Miner, Sciara and Spider Mites.

### Bulking Strategy

Duration of 8 to 10 weeks; juvenility min. 10 to 12 true leaves.

### Finishing Key Tips

Keep RH at optimum 65%. Outside crops can be forced indoors at 54 to 59°F (12 to 15°C).

NOTE: Growers should use the information presented here as guidelines only. PanAmerican Seed recommends that growers conduct a trial of products under their own conditions. Crop times will vary depending on the climate, location, time of year, and greenhouse environmental conditions. It is the responsibility of the grower to confirm the treatment is available in their region as well as read and follow all the current label directions relating to the products. Nothing herein shall be deemed a warranty or guaranty by PanAmerican Seed of any products listed herein. PanAmerican Seed's terms and conditions of sale shall apply to all products listed herein.

## Variety Pictures

Blue-White

Red-White

Rose-Rose

White

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