

Aquilegia Winky Single Series

(*Aquilegia vulgaris*)

Perennials Culture (revised 08/30/19)

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. (30-36 cm)	12-14 in. (30-36 cm)	12-16 in. (30-41 cm)

Germination

Seed Form	Recommended Plug Size	Seeds/Cell	Plug Crop Weeks	Days to Germinate	Initial Media pH/EC	Cover Seed
RAW	288	2-3	7-8	7-12	5.8-6.4 pH 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 (20-22°C)	65-68°F (18-20°C)	65-68°F (18-20°C)	60-65°F (16-18°C)
Light	Optional	2,500 f.c. (26,900 Lux)	2,500 f.c. (26,900 Lux)	5,000 f.c. (53,800 Lux)
Fertilizer	Less than 100 ppm N - Less than 0.7 EC	Less than 100 ppm N - Less than 0.7 EC	100 to 175 ppm N - 0.7 to 1.2 EC	100 to 175 ppm N - 0.7 to 1.2 EC

Vernalization

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	Fertilizer	Daylength
(day) 60-72°F (16-22°C) (night) 50-59°F (10-15°C)	5.8-6.2 pH 1.0-1.5 mmhos/cm	175 to 225 ppm N - 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	1-2 (ppp)	32-40 (weeks)	Spring	daminozide 1,250-2,500 ppm Spray
Overwinter	5"/6"/1 Gallon	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.

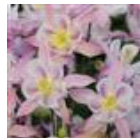
Variety Pictures



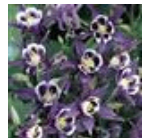
Blue-White



Early Sky Blue



Pink



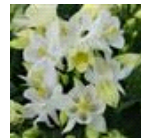
Purple-White



Red-White



Rose-Rose



White



Mixture

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