

Aquilegia (Columbine)

30ct Plug

Container:

Trade 1 Gallon Container

Finish:

7-9 weeks

When To Plant:

Late winter to spring

72ct Plug

Container:

Trade 1 Gallon Container

Finish:

10-12 weeks

When To Plant:

Late summer for sales the following spring

Growing Temperature:

57-68° F

Soil pH:

5.8-6.4

Fertility:

A constant liquid feed of 50 ppm N is sufficient for healthy growth.

Pests and Diseases:

Aphids, columbine leafminers (*Phytomyza*), bumble bees (they eat corolla tubes), columbine skipper caterpillar (*Erynnis*), columbine borer (*Papaipema*), whiteflies (in greenhouse), spider mites, foliar nematodes, columbine sawfly, thrips.

Botrytis blight, *Alternaria* blight, *impatiens* necrotic spot virus, powdery mildew, leaf spots, crown rot and root rot, rust, cucumber mosaic virus, damping off, leaf and stem smut.

Lighting:

Aquilegia are day neutral plants and will flower under any photoperiod. Prefers moderate light levels. During periods of low light, providing supplemental light will yield sturdier plants.

Holding Temperature:

45-55° F

EC Level:

1.5-2.0 pour through method

Vernalization:

Provide 6-9 weeks of cold at temperatures below 40° F.

Potting and Timing:

Use a moist, well-drained medium with good aeration and waterholding capacity.

Moisture:

Water thoroughly, allowing growing media to dry out between waterings.

Planting Level:

Place crown at soil level.

PGRs/Pinching:

Force plants under short days as this will keep the plants more compact.

Other Comments:

Cool growing temperatures will result in heavier flowering.

Grower Tips:

Aquilegias have a juvenility phase and are not capable of flowering until 12-15 leaves are present.



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