

# Aquilegia (Columbine)

## 30ct Plug

### Container:

Trade 1 Gallon Container

### Finish:

7-9 weeks

### When To Plant:

Late winter to 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.

For Controlled Release or Slow Release Fertilizer, see your preferred supplier for recommended rates for incorporation or top dressing, as it varies by fertilizer.

### Potting and Timing:

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

### Moisture:

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

### 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.

### 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.

### 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.

### Planting Level:

Place crown at soil level.

### 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.

### Grower Tips:

*Aquilegias* have a juvenility phase and are not capable of flowering until a certain number of leaves are present to perceive vernalization. The leaf number varies by series and cultivar.



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