

Pansy and Viola

Plant type:	Perennial treated as biennial.
Uses:	Bedding plants, patio pots, containers and baskets
Sowing:	July - August for Autumn colour pack sales and outdoor Winter plantings. September - October for early Spring sales and plantings. February - March for Spring sales. 18-20°C (temperatures over 22°C will reduce germination percentage). Cover with an average layer of medium Vermiculite. Germination 1-2 weeks.

Approximate crop timing (based on Pansy Matrix™)

Sowing to seedling transplanting	3 - 4 weeks
July/August sowing to flowering	9 - 10 weeks
September sowing to flowering	25 weeks
February/March sowing to flowering	12 - 14 weeks

Ball 350 to flowering:

Weeks 4 - 8 (for Spring sales)	6 - 8 weeks
Weeks 9 - 22 (for Spring sales)	6 weeks
Weeks 28 - 35 (for Autumn sales)	4 - 8 weeks
Weeks 36 - 46 (late Autumn/early Spring sales)	> 8 weeks

Ball 230 to flowering:

Weeks 4 - 8 (for March/April sales)	6 - 8 weeks
Weeks 10 - 24 (for Spring sales)	5 weeks
Weeks 28 - 38 (for Autumn sales)	4 - 7 weeks

Growing on:

Please see CFS P11 for specific cultural advice for Trailing Pansy Cool Wave™

Temperature	Maintain below 20°C if possible through Summer months. Overwinter at an average of 5-10°C day and 4°C night temperature. The crop will stand lower temperatures. Fleeing may be used if very cold night temperatures are forecast.
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Culture Information

pH	5.4 - 5.8
Feeding	Once the roots of the plants have developed to the wall of the container feeding can be every 2 to 3 watering's at 100ppm with a non-ammonium based fertiliser when the plants are actively growing.
Growth regulation	<p>Pansy Matrix™, Pansy Cool Wave, Viola Sorbet™ XP and Panola™ XP generally require less growth regulation. They resist stretching better than other Pansies and Viola under stressful conditions and warmer temperatures of Autumn production due to the unique branching habit.</p> <p>Chemical growth regulation is likely to be needed. Extra applications can be needed if temperatures are high. Apply growth regulation when crop is moist to prevent scorching.</p>
Pack/Pot size	6 Pack or 9-10.5cm pot
Advice	<p>Plants should be grown on dry side, watering evenly when necessary.</p> <p>Chemical growth regulators applied in high temperatures can cause malformed growth.</p> <p>The crop needs to have good air circulation in well ventilated conditions</p>
Common diseases	<p>Downy Mildew seen as upper surface leaf yellowing with grey/pink felt growth under the leaf.</p> <p>Powdery Mildew – white grey fluffy growth on upper leaf surface, powdery with age.</p> <p>Ramularia - brown papery leaf spot which is yellow edged.</p> <p>Thielaviopsis - black lesions on the root. High temperatures, high compost pH and stressed plants will be affected most. Fungicides can be used for prevention or control at early stages.</p>

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