

easy grow guide

pansy sense

(F1 viola xwittrockiana)



Plug Production: 512 or 288 plugs

Sowing/Media:	Use a well-drained, disease-free, peat based plug medium with pH 5.5-5.8, EC 0.75mmhos. Cover seed with coarse vermiculite
Germination Stage 1: (4-5 days)	Keep medium uniformly moist, media temperature should be 65-70°F (18-21°C), Keep light levels <1500 f.c. until cotyledons are open.
Germination Stage 2:	Dry down covering slightly to improve rooting and control floppiness, maintain media temperature at 65-70°F (18-21°C), once cotyledons have opened light levels should be 1500-2000 f.c.
Germination Stage 3:	Allow media to dry further between irrigations, practice a good wet/dry cycle but avoid wilting, media temperature should be 65-68°F (18-20°C), light levels should be around 3000 f.c. with shading in hot weather. Fertilize every other watering with 100-150ppm N (nitrate form) from 15-5-15, 17-5-17, or 13-2-13 keep media pH at 5.5-5.8 and EC at 1.0-1.5mmhos.
Germination Stage 4:	Keep media on the drier side and lower media temperature to 60-62°F (15-17°C), light levels can be increased to 3000-4000 f.c. if possible. Fertilize as stage 3, avoid using high NH4 fertilizers but make sure pH is below 6.5.
Growth Regulators:	Use sprays of B-Nine (1500–2500 ppm), A-Rest (2–7 ppm), B-Nine (1000–2500 ppm) + Cycocel (500–1500 ppm), or B-Nine (1000–2500 ppm) + A-Rest (1–5 ppm) if needed. Weather conditions and cultural practices directly affect how much growth regulator to use, so it is recommended that you run your own trials.
Plug Times:	512 plug: 4-5 weeks from sow to transplant, 288 plug: 5-6 weeks from sow to transplant

Growing On to Finish: Cell Packs, 3”(9cm) pots, 4”(10cm)

Media:	Use a well-drained, disease free, peat-based growing mix with pH 5.5-5.8, EC <1.5mmhos.
Temperatures:	Keep media temperature at 63-65°F(17-18°C) until roots have developed and then lower to 55-60F(12-15°C) to grow on. Pansies grow better in cooler temperatures, but crop time will increase if the temperature is below 55-60F(12-15°C)
Light:	Keep light levels at 3000-4000 f.c.. Shade if light levels are higher to keep temperatures down.
Irrigation:	Practice a good wet/dry moisture cycle to aid root development and control height.
Fertilizer:	Fertilize once a week with 150ppm N (nitrate form) from 15-5-15, 17-5-17, or 13-2-13 but keep media pH at 5.5-5.8 definitely <6.5 and media EC no higher than 1.0-1.5mmhos.
Growth Regulators:	Use sprays of B-Nine (2500–5000 ppm), A-Rest (3–10 ppm), B-Nine (1500–2500 ppm) + Cycocel (750–1500 ppm), or B-Nine (1500–2500 ppm) + A-Rest (3–7 ppm) as needed. Weather conditions and cultural practices directly affect how much growth regulator to use and Sense has a naturally compact habit so it is recommended that you run your own trials.
Pests:	Aphids, Thrips, Two-Spotted Spider Mite and Red Spider Mite.
Diseases:	Pythium, Thielaviopsis, Botrytis, fungal leafspots, Downy mildew, upper yellow leaves (caused by media pH >6.5 and iron deficiency) and aborted growing tip with stunting and leaf curling (caused by media pH >6.5 and boron deficiency)

Crop Times (Timings vary depending on temperature and light levels)

Container	Plants/Container	Transplant to Finish	Total Crop Time
Cell Packs	1x plug per cell	5-7 weeks	9-13 weeks
3” (9cm)	1x plug per pot	6-8 weeks	10-14 weeks
4” (10cm)	1x plug per pot	6-9 weeks	10-15 weeks