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| Life cycle | Hardy annual/biennial |
| Family/origin | Violaceae/Europe and Western Asia |
| Popular uses | Pot and pack, suitable for garden borders and beds, mixed containers |
| Mature plant height | 20-25 cm (8-10") |
| Mature plant width | 20-25 cm (8-10") |
| Pot size | 9-12 cm (3,5-5") pot and packs |
| Plants per pot | 1 3 per pot for 15 cm (6") and larger |
| Sun exposure | Sun or partial shade |
| Water requirements | Reduced, avoid wet conditions |
| Flowering season | Summer, autumn |
| Media | A well-drained, porous media is best to prevent over watering pH 5.5-6.2 EC 1.4-1.8 (100-150 ppm) |
| Growing temperature | Plants can be grown at 10-15°C (50-59°F) or as cool as possible during warm weather conditions Higher average day temperature will speed up the process |
| Light | Increasing daylength induces flowering |
| Fertilizer needs | Balanced N:P:K fertiliser as needed recommended EC 1.4-1.8 (100-150 ppm) with a calcium-based fertilizer |
| Crop time | For autumn sales 7-10 |
| Hardiness zone | Z 6-8 |



Pink Shades with Blotch

Growth regulators

Chlormequat (Cycocel), Daminozide (Dazide, B-Nine) or Paclobutrazol (Bonzi)

Common Diseases

Pythium, Phytophthora, Leaf Spot and Botrytis

Common Pests

Check/monitor for Fungus Gnats and shore flies during plug production
Aphids and Thrips

Pinching

No need

Pansy F1 Xtrada Series - *Viola wittrockiana*

Plug Production



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| Seed forms | Raw-pro-seed |
| Seed count | 700-950 sds/gr (20,000-27,000 sds/oz) |
| Seeds cell | 1 |
| Vermiculite cover | Normal |
| Stage 1 Germination | Raw seed Germination takes 4 to 5 days Pro-seed takes 2 to3 days 18-24°C (65-75°F) Sow the seeds in a well moistened soil mix with a pH between 5.5-5.8 Light is not necessary for germination until radicle emergence EC 0.5-1.0 (50-75 ppm) Pansy is very sensitive to high salts, particularly high ammonium, during germination. Keep ammonium levels less than 10 ppm |
| Stage 2 Stem and cotyledon | Growing medium temperature 15-18°C (60-65°F). The cooler the temperature, the slower and more toned the plant growth Reduce moisture levels once radicle emergence occurs! Allow the soil to dry out slightly before watering for best germination and rooting |
| Stage 3 Growth and development | Reduce moisture levels and allow medium to dry slightly between watering but do not allow plants to wilt Temperature: 15-18°C (65-68°F) Fertilizers: as stage 2 To prevent stretching alternate with potassium nitrate at EC 1.4-1.8 (100-150 ppm) |
| Stage 4 Ready for transplanting | Moisture: reduce moisture levels and allow medium to dry between watering, do not allow plants to wilt Temperature: 13-15°C (54-59°F) Fertilizers: see stage 3 |
| Plug crop time | 4-5 weeks |
| Approximate finish time | 5-7 weeks |
| Special tips | Transplant seedlings in a well-drained media with a pH of 5.8-6.0 Allow media to dry slightly between waterings but do not allow plants to wilt Plants can be grown at 10-15°C (50-59°F) or as cool as possible during warm weather conditions |