

Lupinus polyphyllus Lupini

| | |
|----------------------------|---|
| Life cycle | Perennial / Annual |
| Family / Origin | Leguminosea / North America |
| Popular uses | First year flowering perennial, patio and garden beds, accent plant |
| Mature plant height | 35-40 cm (14-16") |
| Mature plant width | 30-35 cm (12-14") |
| Pot size | 10-15 cm (4-6") pots, gallon containers and larger |
| Plants per pot | 1 per 10 cm (4") pot 3 plants in larger pot |
| Sun exposure | Full sun, part shade |
| Water requirements | Reduced, avoid wet conditions |
| Flowering season | Late Spring, Early Summer |
| Media | A well-drained, porous media is best to prevent over watering pH 5.5-6.2 EC 0.7-1.2 (105-180 ppm N) |
| Growing temperature | For active growth 10-16°C (50-61°F) at night Days up to 16°C (61°F) Higher average day temperature will speed up the process |
| Light | A longer day length induces flowering |
| Fertilizer needs | Well balanced calcium based fertilizer; avoid those based on ammonium nitrate as this promotes stretching EC 1.4-2.5 (210-375 ppm N) |
| Crop time | 15-20 weeks (first year) 35-37 weeks (overwinter) |



Description

First year flowering hardy perennial, so no vernalization needed
Performs well in full sun or partial shade

Growth regulators

Daminozide (Dazide/B-Nine), Paclobutrazol (Bonzi)

Common diseases

Wet foliage should be avoided to prevent Colletotrichum acutatum, Glomerella Leaf Spots and Stem Rot

Common pests

Spider Mites, Aphids

Pinching

No need, although frequent cutting will enhance regrowth

Crop type

First year flowering perennial (no vernalisation needed)

Plants/m² finished

15cm (6") 16 plants/m²
12cm (5") 20 plants/m²

Hardiness zone

Z 6-8

Plug Production

| | |
|--|---|
| Seed forms | Coated seed |
| Seed count | 40-50 seeds/gram (1.100-1.400 seeds/oz); varies by lot! |
| Recommended plug size | 264-128 |
| Seeds cell | 2-4 |
| Vermiculite cover | Normal |
| Stage 1 Germination | 6-9 days for germination Media: pH 5.5 to 6.3 Media: EC 0.5-1.0 (75-150 ppm N) Moisture: keep medium saturated Growing medium temperature: 18-20°C (64-68°F) |
| Stage 2 Stem and cotyledon | Reduce moisture levels to achieve optimum root penetration and prevent fungal diseases. Avoid wet foliage after nightfall. Temperature: 18-20°C (64-68°F) Fertilization: EC 0.5-1.0 (75-150 ppm N) |
| Stage 3 Growth and development | Reduce moisture levels and allow medium to dry between watering Do not allow plants to wilt Temperature: 18-20°C (64-68°F) Fertilization: EC 1.5-1.8 (225-270 ppm N) |
| Stage 4 Ready for transplanting | Reduce moisture levels and allow medium to dry between watering Do not allow plants to wilt Temperature: 13-15°C (55-59°F) Fertilization: see stage 3 |
| Plug crop time | 5-6 weeks |
| Approximate finish time | 12-15 weeks 30-32 weeks overwinter |
| Special tips | Better tolerance to heat and drought. Lupinus are heavy feeders The crop needs good air circulation in well-ventilated conditions |