

Geranium F1 Nano (Pelargonium)



Life cycle	Annual, tender perennial
Family/origin	Geraniaceae/South Africa
Popular uses	Outdoor containers, pot and pack, suitable for borders and beds
Mature plant height	20-25 cm (8-10")
Mature plant width	20-25 cm (8-10")
Pot size	Packs, 8-10 cm (3-4") pots
Plants per pot	1 plant in 10 (4") 3 plants in large and container
Sun exposure	Sun or partial shade
Water requirements	Reduced, avoid wet conditions
Flowering time	Entire growing season
Media	A well-drained, porous media is best to prevent over watering pH 5.5-6.2 EC 0,5-1.8 (50-150 ppm)
Growing temperature	Temperature for active growth 14-18°C (60-64°F) at night days up to 25°C (75°F), higher average day temperature will speed up the process
Light	Increase total light energy to promote early flowering, day-length extension is not necessary but will promote bud set
Fertilizer needs	Balanced N:P:K fertiliser as needed ammonium based fertilizers are not recommended, use calcium based fertilizers EC 1.8-2.2 (50-200 ppm)
Crop time	13-15 weeks
Hardiness zone	9b-11 as perennial



Mixed

Growth regulators

Chlormequat (Cycocel) and Paclobutrazol (Bonzi)

Common Diseases

Botrytis, Pythium, Alternaria, Pseudomonas, Rust

Common Pests

Thrips, Aphids

Pinching

No need



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Plug Production



Seed forms	Raw-pro-seed
Seed count	180-250 sds/gr (5,000-7,000 sds/oz) <i>Varies by lot!</i>
Seeds cell	1
Vermiculite cover	Normal
Stage 1 Germination	<p>Media pH 6.0-6.5, lower than 6.0 may promote shoot tip abortion and allow Na, Fe and Mn to become toxic-symptoms of nutrient toxicity will exhibit itself on the lower leaves</p> <p>Moisture: geranium seed needs a lot of moisture, keep medium saturated</p> <p>Temperature: 22-25°C (72-75°F) average temperature, higher temperatures will result in poor germination due to thermal dormancy, lower temperatures will result in slow and less uniform germination</p> <p>Fertilizers: EC 0,5-1.0 (50-75 ppm) EC 0.7-1; higher EC will result in poor root formation</p>
Stage 2 Stem and cotyledon	<p>Moisture: slightly reduce moisture levels to encourage root penetration</p> <p>Temperature: 21-25°C (70-75°F)</p> <p>Fertilizers: use calcium based fertilizers at EC 1-1.25 (50-75 ppm)</p> <p>Lighting: in low light areas supplemental lighting at 4,000-4,500 lux (400-450 fc) will promote early flowering and more compact habit</p>
Stage 3 Growth and development	<p>Moisture: reduce moisture levels and allow medium to dry between watering Do not allow plants to wilt</p> <p>Temperature: 18-21°C (65-70°F)</p> <p>Fertilizers: as stage 2. To prevent stretching alternate with potassium nitrate at EC 1.4-1.8 (100-150 ppm)</p> <p>Lighting: light can be increased to 5,000-6,000 lux (500-600 fc) Use shade screens when light levels are over 37,000 lux (3,700 fc)</p>
Stage 4 Ready for transplanting	<p>Moisture: reduce moisture levels and allow medium to dry between watering Do not allow plants to wilt</p> <p>Temperature: 18°C (61-65°F)</p> <p>Fertilizers: see stage 3</p>
Plug crop time	4-6 weeks
Approximate finish time	10-11 weeks
Special tips	Allow adequate ventilation to prevent high humidity. Space plants well not allowing the foliage to touch. Do not overwater, but wilting plants in high light will scorch. Higher night temperatures will promote earlier flowering and more compact habit