

Growing Guide For Begonia Illumination | Nonstop

(Begonia tuberhybrida)

Stage 1 & 2 (Germination)

Germination: 7 - 14 days

Sowing Media: Use a well-drained, disease-free, peat moss with pH 5.5-6.5 (EC 0.5 mS/cm)

Sowing: Use 200 holes seedling tray, 1-2 seeds per cell. Do not cover the seeds

Moisture: Keep peat moss very wet (when wet, peat moss is dark brown color)

Light: Required

Note: Consistent moisture levels are important to uniform germination

Stage 3 & 4 (Young plant production)

Moisture: Media should be allowed to dry between irrigations. Alternate between moisture level 2 and 4

Fertilizer: Apply between 50 - 75 ppm N (EC : 0.5 – 0.75 mS/cm)

Note: Begonia are sensitive to high salt levels.

Stage 5 (Growing On To Finish)

Media: Use a well-drained, disease-free, peat moss with pH 5.5-6.5 (EC 1.0-1.5 mS/cm)

Fertilizer: Apply between 150 - 250 ppm N

Moisture: Media should be allowed to dry between irrigations. Alternate between moisture level 2 and 4

Note: Allowing plants to dry back too much can result in root damage.

Crop Scheduling

Sow to transplant (seedling tray 200 holes) : 7 – 8 weeks

Transplant to finish in 10 cm pot : 8 - 10 weeks (1 plug/ pot)

Transplant to finish in 1L pot : 10 - 12 weeks (1 plug/ pot)

Total crop time from sow to finish : 17 - 20 weeks

Common Problems

Pests: Aphids, Thrips

Diseases: Botrytis, Pythium, Powdery mildew

Tips

It is best to avoid high ammonium fertilizers since these fertilizers promote soft, leafy growth and may delay flowering.

Maklumat Penanaman Untuk Begonia Illumination | Nonstop (Begonia tuberhybrida)

Peringkat 1 & 2 (Percambahan)

Percambahan: 7 - 14 hari

Media Semaian: Gunakan peat moss bersaliran baik dan tidak berpenyakit dengan pH 5.5-6.5 (EC 0.5 mS/cm)

Semaian: Gunakan dulang semaian 200 lubang, 1-2 biji benih/lubang. Biji benih tidak perlu ditanamkan

Kelembapan Media: Pastikan peat moss sangat lembap (Apabila lembap, peat moss berwarna coklat gelap)

Pencahayaan: Diperlukan

Nota: Tahap kelembapan yang konsisten penting untuk percambahan benih yang seragam

Peringkat 3 & 4 (Penghasilan anak pokok)

Kelembapan: Biarkan media kering di antara pengairan. Selang selikan antara tahap kelembapan 2 dan 4

Baja: Gunakan baja 50 - 75 ppm N (EC : 0.5 - 0.75 mS/cm)

Nota: Begonia sangat sensitif pada kandungan garam yang tinggi

Peringkat 5 (Pertumbuhan Sehingga Dewasa)

Media: Gunakan peat moss bersaliran baik dan tidak berpenyakit dengan pH 5.5-6.5 (EC 1.0-1.5 mS/cm)

Baja: Gunakan baja pada 150 - 250 ppm N

Nota: Jangan biarkan tanaman terlalu kering boleh mengakibatkan kerosakan akar.

Jadual Penanaman

Semaian sehingga pemindahan (dulang semaian 200 lubang)	: 7 - 8 minggu
Pemindahan sehingga dewasa (Pasu 10 cm)	: 8 - 10 minggu (1 pkk/pasu)
Pemindahan sehingga dewasa (Pasu 1L)	: 10 - 12 minggu (1 pkk/pasu)

Tempoh semaian sehingga dewasa	: 17 - 20 minggu
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Masalah Lazim

Serangga: Kutu daun, kutu thrips

Penyakit: *Botrytis*, *Pythium*, Kulapok berdebu

Tips

Sebaik-baiknya elakkan baja yang tinggi kandungan ammonium kerana baja ini mendorong pertumbuhan daun yang banyak berbanding bunga dan juga melambatkan pembungaan.