

Magic

F1 Mimulus

Magic makes a great cash crop in production down times. With its short production cycle, Magic can be finished in just 7 - 8 weeks from sowing with a minimum requirement of 12½ hour days to initiate flowering. Tolerating light frosts (to 25°F/-4°C), Magic can be produced outside for early season sales. Its compact, floriferous habit makes it well suited to pack sales. A highly flexible, quick turnaround product.

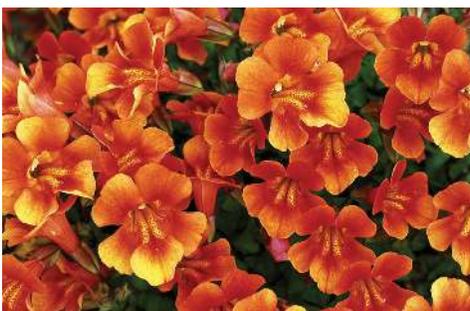
Seed Form	Natural, Pelleted
Seed Count	581,000/oz - 20,500/g
Garden Height	8 - 10" (20 - 25cm)
Garden Spread	8 - 10" (20 - 25cm)
Flower Size	1½" (4cm)



Magic Spring Blossom MIM914



Ivory MIM922



Orange MIM925



Red Improved MIM938



White Blotch MIM941



White Flame MIM936



Wine MIM931



Yellow MIM926



Yellow Blotch MIM942



Yellow Flame MIM934

easy grow guide

mimulus magic

(F1 Mimulus xhybridus)



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 <0.75 mmhos. No covering needed. Use pelleted seed for ease of sowing.
Germination Stages 1 & 2: (5-7 days)	Keep medium uniformly moist, not saturated. Media temperature should be 65-68°F (18-20°C), keep light levels <1500 f.c. Light is not essential but is beneficial for seedling quality and reduced stretch.
Germination Stage 3:	Media temperature should be 62-65°F (16-18°C). Practice a good wet/dry moisture cycle but avoid wilting. Keep light levels around 3000 f.c. Mimulus are long day plants and will respond to night-interruption lighting after the first true leaf is visible. If grown under HID lights, flowering may occur before transplant. Feed every other watering with 100-150ppm N from 13-2-13, 15-5-15 or 17-5-17. Media pH at 5.5-5.8, EC 1.0-1.5 mmhos.
Germination Stage 4:	Media temperature can be lowered to 60-62°F (15-16°C). Maintain a good wet/dry moisture cycle. Keep light levels around 3000 f.c. Maintain long days (>14 hours) for best results using night interruption lighting but HID lights will promote very early flowering.

Growing On to Finish: Packs, 4" (10cm) pots

Media:	Use a well-drained, disease free, peat-based growing mix with pH 5.5-5.8 and EC <1.5 mmhos.
Temperatures:	Temperatures for growing on after transplant should be cool, 50-60°F (10-15°C) ideally. High temperatures will promote excessive growth.
Light:	Light levels should be maintained at 3000 f.c. Shading is beneficial if grown in high temperatures. If the plugs were not lit during short days, provide 3 weeks of long days with night interruption lighting if needed.
Irrigation:	Practice a good wet/dry moisture cycle avoiding wilting.
Fertilizer:	Feed 1-2 times per week with 150ppm N from 13-2-13, 15-5-15 or 17-5-17. Keep media pH 5.5-5.8 and media EC 1.5 – 2.0 mmhos.
Growth Regulators:	If the ideal conditions can be achieved, growth regulators shouldn't be required. If flowering occurs in the plug, plant growth will need to be pushed. If growing in warm weather, sprays of B-Nine at 2500ppm are effective. It is best to run your own trials to avoid overdosing, as weather and cultural regimes can affect the requirements.
Pests:	Thrips, Whiteflies
Diseases:	Root diseases, INSV (thrip control important to prevent this). Flowering too early – growing plugs under HID lights using daylength extension, delayed flowering – not lighting during short days.

Plug Times:

512 Plug:	3-4 weeks from sowing to transplant
288 plug:	4-5 weeks from sowing to transplant

Transplant to Finish:

Container	Plants/Container	Transplant to Finish	Total Crop Time
Packs	1 x plug	4-5 weeks	7-9 weeks
4 inch (10cm):	1 x plug	5-6 weeks	8-11 weeks

Crop times are based on UK conditions. Alternative environmental conditions and cultural regimes can alter the crop times stated above.