



# Cosmos Apollo

**New** Apollo Mixed COS110



Apollo (L) has larger flowers than Sonata



Apollo (L) has fuller flowers than Sonata and less gaps between petals.



Apollo (L) has a more compact and bushy habit than Sonata



**New** Apollo Pink COS112



**New** Apollo White COS111

## Apollo

*F1 Cosmos bipinnatus*

Apollo is a brand new variety which brings great benefits for growers, retailers and consumers alike. The naturally dwarf habit and shorter internodes makes for better colour display, extended shelf life and ease of transport. The super-large flowers and overlapping petals make a greater impact in containers or the garden. All 3 Apollo colours have been awarded the Royal Horticultural Society's Award of Garden Merit (RHS AGM).

Seed Form	Natural
Seed Count	4,500/oz - 160/g
Garden Height	18 - 26" (55 - 65cm)
Garden Spread	20 - 24" (50 - 60cm)
Flower	4" (10cm)



**New** Apollo Carmine COS113



# Easy Grow Guide

## Cosmos Apollo

*Cosmos bipinnatus*



### Plug Production: 288 plugs

#### Sowing/Media:

Use a well-drained, disease-free, peat based plug medium with pH 5.8-6.6, EC <0.75 mmhos. Cover seed with a thin layer of vermiculite, media should be moist, not saturated.

#### Germination Stages 1: (3-5 days)

Keep medium uniformly moist until seedlings are hooking above the covering, media temperature should be 66-70°F (19-21°C).

#### Germination Stages 2:

Dry down slightly to avoid stretch but avoid wilting, keep media temperature at 66-70°F (19-21°C), germination should be complete in 5-7 days. Fertilization can begin with 50-100ppm N from a well balanced fertilizer.

#### Germination Stage 3:

Allow media to dry further between irrigations to improve rooting and control stretch, but avoid wilting. Media temperature can be dropped to 63-66°F (17-19°C), light levels should be <3000 f.c. Fertilize with 100-150ppm N from a well balanced fertilizer, keep media pH at 5.8-6.2 and EC <0.75mmhos.

#### Germination Stage 4:

Practice good wet/dry moisture cycle avoiding wilt, maintain media temperatures at 63-66°F (17-19°C), keep light levels <3000 f.c. Fertilize as stage 3. Apollo is a facultative short day variety. Extending day length to 12-14 hours in the plug stage will help to prevent premature budding.

#### Growth Regulators:

Some growth control can be achieved naturally by good moisture management as long as the plants don't wilt. If needed, a spray of Bonzi (10-15ppm) will help to control early stretch. It is best to run your own trials to avoid overdosing, as weather and cultural regimes can affect the requirements.

### Growing On to Finish: Cell Packs, 4" (10.5cm) up to 8" (20cm) pots

#### Media:

Use a well-drained, disease free, peat-based growing mix with pH 5.8-6.2, EC 1.0-1.5mmhos.

#### Temperatures:

Temperatures for growing on should be 65-70°F (18-21°C). Growing under higher temperatures will reduce crop time. Avoid frost.

#### Light:

Light levels should be 3000 - 5000 f.c. as a guide. Apollo is a facultative short day variety. Extending day length to 12-14 hours will help to prevent premature budding.

#### Irrigation:

Practice a good wet/dry moisture cycle, avoiding wilt.

#### Fertilizer:

Feed 1-2 times per week with 100-150 ppm N from a well balanced fertilizer, changing to a higher K fertilizer at bud formation. Keep media pH 5.8- 6.2, and media EC 1.0-1.5mmhos.

#### Growth Regulators:

Growth can be controlled naturally by good moisture management, avoiding wilt. If needed use sprays of B-Nine (2500 - 5000 ppm) or Bonzi (15 - 30 ppm). It is best to run your own trials to avoid overdosing, as weather and cultural regimes can affect the requirements.

#### Pests:

Aphids, Thrips.

#### Diseases:

Cosmos rarely suffer from disease.

### Plug Times:

**288 Plug:** 4-5 weeks from sowing to transplant

### Transplant to Finish:

Container	Plants/Container	Transplant to Finish	Total Crop Time
4" (10.5cm):	1x plug	5-6 weeks	9-11 weeks
6-7"(15-18cm):	3 x plugs	5-6 weeks	9-11 weeks

Crop times are based on UK Spring trials under natural day length. Alternative environmental and cultural regimes can alter the crop times stated above.