

**PANAMA™ | Echinacea**

Habit	Upright	US
Recommended pot	12cm to 15cm	Quart to Gallon
Flower Size / Type	Medium Daisey	
Heat Tolarence / Drought Tolarence	Good	
US Zone	5	
Exposer	Full Sun	

	pH	Ec	Min Temp F	Max Temp F	Min TEMP C
Rooting					
Week 1 sticking liner 1 per cell	5.6 to 6.2	0.80	72	74	21
Week 2	5.6 to 6.2	.80 to .90	72	74	21
Week 3	5.6 to 6.2	.90 to 1.0	72	74	21
Week 4	5.6 to 6.2	.90 to 1.0	65	68	18
Week 5 Transplant 1 per pot	5.6 to 6.2	1.0 to 1.2	65	68	18
Week 6 to 11 Bulk to get size	5.6 to 6.2	1.0 to 1.2	65	68	18
week 11 to 15 grow cold	5.6 to 6.2	1.2	48	55	8

Growing cold or cool is beneficial  
 Can grow colder but allow extra time

Max TEMP C	Pinch	Feed	Light	PGR	Fungicide	Comments
23			Not Needed		Botrytis Protection	
23			Not Needed		Second Botrytis Protection	
23	Not needed		Not Needed			
20		feed 100 to 150 ppm	Not Needed	B-9 IF Needed		B-9 3750 ppm if needed
20		feed 100 to 150 ppm	Not Needed	B-9 IF Needed		
20		feed 100 to 150 ppm	Not Needed	B-9 IF Needed		
12		100 to 150 ppm	Light if needed before week 20	B-9 IF Needed		Paclobutrazol can be used if to size as a drench at 2 ppm