

ANNUAL

PROPAGATION

PERICALLIS MANDALA® & MANDALA® PLUS

Pericallis x hybrida



TRAY & ROOTING

Form	Vegetative Cutting (URC)
Rooting Hormone?	No
Tray Size	72,102, 105
Plants Per Cell	1
Days In Mist	5-10
Wks. From Stick To Transplant	4-5
Propagation Pinch?	Yes
Weeks To Pinch	4

FERTILITY

Fertilize Through Mist?	None
Fertilizer Rate	150-250ppm N
EC Range	High: (1.0-1.5 mS via SME)
pH Range	5.5-6.0

TEMPERATURE

Average Soil Temp	65-68°F (18-20°C)
Average Air Temp (Day)	70-75°F (21-24°C)
Average Air Temp (Night)	65-68°F (18-20°C)

IRRIGATION

Irrigation Frequency	Level 4: Keep media moderately moist at all times
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LIGHT

Daylength Neutral?	Yes
Supplemental	Not necessary
Benefits From Shade?	On high light days

POTENTIAL DISEASES

Powdery Mildew

POTENTIAL PESTS

Aphids, Spider Mites, Whiteflies

PGR SUGGESTIONS

- 750-1500ppm B-Nine (85% Daminozide) spray
- 300-500ppm Florel (3.9% Ethephon)



Mandala 'Blue Charme'

TIPS

- Keep humidity high through misting and fog for the first 14 days 85-90+%.
- At day 14 cut mist in half. Air humidity should be kept 60-70%.
- Liners should be completely off mist at day 21.
- Shading may be required on bright days.
- An optimal growing mix should be well drained with sufficient moisture retention to prevent daily wilting.
- As with any plant growth regulator application, we recommend testing on a small group of plants first before applying to the entire crop.

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FINISHING

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CONTAINER SIZE	PLANTS PER POT	TRANSPLANT TO FINISH (WEEKS)
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6-8 in. (15-20cm)	1	9-20 (shorter crop time, spring growing only)
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10-12 in. (25-30 cm)	3	9-20 (shorter crop time, spring growing only)
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FERTILITY

Fertilizer Rate **250-300 ppm N**

EC Range **High: (2.0-3.5 mS via SME)**

pH Range **5.2-5.8**

TEMPERATURE

Day Temperature **Spring 57-59°F (14-15°C)**
Overwintered 46-62°F (8-17°C)

Night Temperature **Spring 57-59°F (14-15°C)**
Overwintered 46-62°F (8-17°C)

IRRIGATION

Irrigation Frequency **Level 3: Keep media moderately moist with mild dry cycles**

LIGHT

Daylength Neutral? **Yes, but faster to flower with long day treatment. 9-14 weeks with LD, 14-21 weeks with no light assimilation**

Optimum Light Level **5,000-6,000 (53,800-64,600 lux)**

Supplemental **Optional**

Benefits From Shade? **40% on high light days**

PINCHING

Finishing Pinch? **Optional— pinch when well rooted above 3 leaf pairs**

POTENTIAL DISEASES

Powdery Mildew, Thielaviopsis

POTENTIAL PESTS

Thrips, Aphids, Spider Mites, Whiteflies

PGR SUGGESTIONS

- 2000ppm B-Nine (85% Daminozide)
- 2ppm Bonzi (0.4% Paclobutrazol) drench as needed to hold



Mandala 'Plus Royal Blue'

TIPS

- Utilize good water management (keep drier), do not allow the plants to sit in water for too long.
- PericallisMandala are heavy feeders, even under slow growth and low light conditions. Consider a slow release fertilizer as an incorporation or top dressing in addition to liquid feeding.
- After transplant and for the first 4 weeks of production, provide high fertilization (250ppm of 20-10-20).
- Pericallis Mandala is a heavy iron feeder. Utilize a monthly drench of Peter's STEM for additional micronutrients or add EDDHA to your fertilizer solution.
- Three weeks prior to sale, switch to phosphorus fertilizer (10-30-20) to support good flower production.
- Utilize a preventative fungicide drench every 8 weeks to prevent root rots.
- Less PGR needed in comparison to other known series on the market, up to 30% less.
- Pericallis Mandala is very responsive to B-Nine (daminozide). Can be used at 2,000ppm every 14 days. Once buds are visible the crop will grow 2-3 inches more in height until the flowers are fully open.
- A optional late drench of Bonzi (Paclobutrazol) can help to hold the plants for retail.

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Overwintered Culture

Pot Size	Phase 1—number of weeks Temperature: 60-63°F (16-17°C)	Phase 2—Number of weeks Temperature: 46-50°F (8-10°C)	Total crop time
6"	4	11-12	15-18
8"	4-5	13	17-21
10"	4-6	13	17-22

Spring/Warm Culture

Pot Size	Phase 1—number of weeks Temperature: 57-59°F (14-15°C)	Phase 2—Number of weeks Temperature: 57-59°F (14-15°C)	Total crop time
6"	4	7-10	11-14
8"	4-5	7-10	11-14
10"	4-6	7-10	11-15



Mandala 'Plus Sky Blue'



Mandala 'Salmon'