

ANNUAL
PROPAGATION
DAHLIA NOVATION®

Dahlia x hybrida



TRAY & ROOTING

Form	Vegetative Cutting (URC)
Rooting Hormone?	No
Tray Size	72,102, 102 strip
Plants Per Cell	1
Days In Mist	5-10
Wks. From Stick To Transplant	3-4
Propagation Pinch?	Yes
Weeks To Pinch	3

FERTILITY

Fertilize Through Mist?	50-75ppm N
Fertilizer Rate	100-150ppm N
EC Range	Moderate: (2.0-3.5 mS via SME)
pH Range	5.6-6.2

TEMPERATURE

Average Soil Temp	70-75°F (21-24°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
----------------------	--

LIGHT

Daylength Neutral?	No
Supplemental	14 hour days
Benefits From Shade?	No

POTENTIAL DISEASES

Rhizoctonia, mildew

POTENTIAL PESTS

Thrips, Fungus Gnats, Aphids

PGR SUGGESTIONS

- 1,500-2500ppm B-Nine (85% Daminozide) spray
- 6-10ppm A-Rest (0.0264% Ancymidol) spray
- 300-500ppm Florel (3.9% Ethephon)



‘Ruby’

TIPS

- Stick deeply up to the first set of leaves to allow stem roots to form.
- An optimal growing mix should be well drained with sufficient moisture retention to prevent daily wilting.
- Dahlias, in general, should be kept evenly moist avoiding dramatic wet-dry cycles
- As with any plant growth regulator application, we recommend testing on a small group of plants first before applying to the entire crop.

WE'RE HERE TO HELP YOU GROW

Tech.NA@DummenOrange.com
614-850-9551
DummenOrange.com

ANNUAL
FINISHING

DAHLIA NOVATION®

Dahlia x hybrida



CONTAINER SIZE	PLANTS PER POT	TRANSPLANT TO FINISH (WEEKS)
6 in. (15 cm)	1	8-10
8 in. (19 cm) and up	1-2	9-11
12 in. (30 cm)	3	11-14

FERTILITY

Fertilizer Rate **150-200 ppm N**

EC Range **High: (3.5-5 mS via SME)**

pH Range **5.6-6.2**

TEMPERATURE

Day Temperature **65-73°F (18-23°C)**

Night Temperature **68-75°F (20-24°C)**

IRRIGATION

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

LIGHT

Daylength Neutral? **No**

Optimum Light Level **4,500-9,000 (48,400-96,900 lux)**

Supplemental **14 hour days**

Benefits From Shade? **No**

PINCHING

Finishing Pinch? **Yes**

Transplant to Pinch (days) **10-14**

POTENTIAL DISEASES

Rhizoctonia, mildew

POTENTIAL PESTS

Thrips, Fungus Gnats, Aphids

PGR SUGGESTIONS

- 2500ppm B-Nine (85% Daminozide) or 1000ppm Cycocel (11.8% Chlormequat) and 1200 B-Nine (85% Daminozide) tank mix.



'Salmon'

TIPS

- A complete blend 17-5-17 fertilizer is the best for a balanced well-shaped finished product.
- Dahlias are very responsive to PGRs; use the least harsh chemical treatment in your greenhouse to avoid stunting plants.
- Plants must be grown under long days with a minimum daylength of 14 hours but no more than 16 hours of sunlight a day. More than 16 hours daily will promote vegetative growth and delay flowering. Nighttime interruptions are not recommended as a substitute to daylight extension.
- Dahlias can be pinched 2 weeks after transplant when roots have established and top growth is obvious.
- Liners can be pinched at transplant if liners are not hardened or stressed. Earlier pinching will reduce crop time.
- As with any plant growth regulator application, we recommend testing on a small group of plants first

WE'RE HERE TO HELP YOU GROW

Tech.NA@DummenOrange.com

614-850-9551

[DummenOrange.com](https://www.DummenOrange.com)