

ANNUAL
PROPAGATION
DAHLIA NOVATION

Dahlia x hybrida



TRAY & ROOTING

Form	Vegetative Cutting (URC)
Rooting Hormone?	No
Tray Size	72, 102
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
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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

CULTIVAR LIST

Hot Pink, Pink Bicolor, Pumpkin Spice 2024, Red, Ruby, Salmon, White, Yellow



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

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FINISHING

DAHLIA NOVATION

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CONTAINER SIZE	PLANTS PER POT	TRANSPLANT TO FINISH (WEEKS)
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4 in. (10 cm) and up **1** **6-8**

6 in. (15 cm) **1** **7-9**

8 in. (19 cm) **3** **7-9**

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? **No**

Transplant to Pinch (days) **N/A**

POTENTIAL DISEASES

Rhizoctonia, mildew

POTENTIAL PESTS

Thrips, Fungus Gnats, Aphids

PGR SUGGESTIONS

- 2,500ppm B-Nine (85% Daminozide) spray
- 0.1-0.2ppm Bonzi (0.4% Paclobutrazol) if necessary



'Pink Bicolor'

TIPS

- Transplant deeply, can even bury the first set of leaves to allow stem roots to form.
- 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
- Plants should be pinched leaving two nodes 10-14 days after transplanting liners. Liners can be pinched at transplant if liners are not hardened or stressed. Earlier pinching will reduce crop time.

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FEATURES AND BENEFITS

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KEY INFORMATION

Primary Common Name	Dahlia
Consumer Watering Instructions	Water thoroughly when top 1 inch (3cm) of soil is dry.
Bloom Time	Blooms Spring to Autumn
Exposure	Full Sun to Part Shade
Height	10 inches (25 cm)
Garden Spacing	12 inches (30 cm)

DESCRIPTION

Novation brings the most uniform lineup of dahlias available today, all the varieties flower within 3 days of each other and have perfectly matched habits and flower power across the series. These plants are tidy and well-branched.

CONSUMER APPEAL

- The very charismatic and photogenic flowers make dahlias one of the strongest impulse buys at retail.
- The visually striking “pom-pom” shaped flowers make great cut flowers.

GARDEN ATTRIBUTES

- Good in containers located in high-traffic areas where onlookers can appreciate the showy flowers.
- These well-rounded plants maintain uniform growth and resist lodging with their strong stems.
- Plants are very easy to grow and tubers may be dug for winter storage at the end of the growing season.

NATIVITY

Of hybrid origin: parental lineages native to Mexico.



'Salmon'



'Yellow'

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