

ANNUAL  
PROPAGATION

# DAHLIA MEGABOOM

*Dahlia x hybrida*



## TRAY & ROOTING

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

## FERTILITY

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

## TEMPERATURE

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

## IRRIGATION

Irrigation Frequency	<b>Level 4: Keep media moderately moist at all times</b>
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## LIGHT

Daylength Neutral?	<b>No</b>
Supplemental	<b>14 hour days</b>
Benefits From Shade?	<b>No</b>

## 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)

## CULTIVAR LIST

**Berry Blast, Fire, Orange Crush, Passion Fruit, Pink Lemonade, Raspberry Ice**



'Passion Fruit'

## 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.

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ANNUAL

FINISHING

# DAHLIA MEGABOOM

*Dahlia x hybrida*



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

Fertilizer Rate	<b>150-200 ppm N</b>
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EC Range	<b>High: (3.5-5 mS via SME)</b>
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pH Range	<b>5.6-6.2</b>
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## TEMPERATURE

Day Temperature	<b>65-73°F (18-23°C)</b>
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Night Temperature	<b>68-75°F (20-24°C)</b>
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## IRRIGATION

Irrigation Frequency	<b>Level 3: Keep media moderately moist with mild dry cycles</b>
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## LIGHT

Daylength Neutral?	<b>No</b>
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Optimum Light Level	<b>4,500-9,000 (48,400-96,900 lux)</b>
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Supplemental	<b>14 hour days</b>
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Benefits From Shade?	<b>No</b>
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## PINCHING

Finishing Pinch?	<b>Yes</b>
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Transplant to Pinch (days)	<b>10-14</b>
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## 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.



'Fire'

## 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 to daylight extension.
- Megaboom 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

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