

ANNUAL
PROPAGATION
DAHLIA XXL

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
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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
- 6-10ppm A-Rest (0.0264% Ancymidol) spray
- 300-500ppm Florel (3.9% Ethephon)

CULTIVAR LIST

Baja Sol, Cancun, Celaya, Cozumel, Durango, Ensenada, Hildago, Juarez, Merida, Paraiso, Sunrise, Sunset, Tabasco, Taxco, Vallarta, Veracruz



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

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FINISHING
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'Taxco'

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.
- A light spray application of B-Nine (85% Daminozide) at 2500 ppm, or A-Rest (0.0264% Ancymidol) at 6-10 ppm can be applied to flower buds just before flowering to reduce flower peduncle stretch to improve retail appeal.
- XXL Dahlias can be pinched 2 weeks after transplant when roots have established and top growth is obvious. Cultivar Hidalgo has alternate leaves; therefore needs to be pinched leaving four nodes. 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 before applying to the entire crop.

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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
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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. This application should not be conducted on Merida, Baja Sol, or Tabasco as it will cause peduncle stunting.
- Regarding Merida, Baja Sol, and Tabasco: To ensure flowers perch atop the foliage, spray Fascination at 2ppm at visible bud onset.

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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	18-32 inches (46-81 cm)
Garden Spacing	18-24 inches (46-61 cm)

DESCRIPTION

Widely regarded as THE landscape dahlia featuring unbeatable garden performance across North America.

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

- Well-suited for borders or other high-traffic areas where onlookers can appreciate the showy flowers.
- These vigorous 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.



'Durango'



'Sunset'

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