

ANNUAL
PROPAGATION
BIDENS BIDY

Bidens ferulifolia



TRAY & ROOTING

| | |
|-------------------------------|---------------------------------|
| Form | Vegetative Cutting (URC) |
| Rooting Hormone? | No |
| Tray Size | 72, 102 |
| Plants Per Cell | 1 |
| Days In Mist | 7-10 |
| Wks. From Stick To Transplant | 3-4 |
| Propagation Pinch? | Yes |
| Weeks To Pinch | 3 |

FERTILITY

| | |
|-------------------------|---------------------------------------|
| Fertilize Through Mist? | None |
| Fertilizer Rate | 50-100ppm N |
| EC Range | Moderate: (2.0-3.5 mS via SME) |
| pH Range | 5.6-6.2 |

TEMPERATURE

| | |
|-------------------------|--------------------------|
| Average Soil Temp | 68-72°F (20-22°C) |
| Average Air Temp (Day) | 70-75°F (21-24°C) |
| Average Air Temp(Night) | 68-72°F (20-22°C) |

IRRIGATION

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

LIGHT

| | |
|----------------------|-------------|
| Daylength Neutral? | Yes |
| Supplemental | None |
| Benefits From Shade? | No |

POTENTIAL DISEASES

Botrytis, Pythium, Rhizoctonia

POTENTIAL PESTS

Aphids, Thrips, Fungus Gnats

PGR SUGGESTIONS

- 300-500ppm Florel (3.9% Ethephon)
- 750-2000ppm B-Nine (85% Daminozide) during mid-propagation or shortly after transplant for all cultivars except Bidy Gonzales Top

CULTIVAR LIST

Bidy Gonzales, Bidy Gonzales Big, Bidy Gonzales Top, Bidy Gonzales Trailing, Bidy Boom Bonfire, Bidy Boom Wildfire, Bidy Bop Blaze, Bidy Boom



TIPS

- Avoid excessive mist to prevent stretch.
- After sticking, water the cuttings uniformly to help “seat” them in the soil media. Good soil to stem contact is important for rooting.
- Florel (3.9% Ethephon) is the only PGR required for ‘Bidy Gonzales Top’ because it is the most compact cultivar in the series. Other PGR applications are not necessary and can cause stunting.

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ANNUAL

FINISHING

BIDENS BIDY

Bidens ferulifolia



| CONTAINER SIZE | PLANTS PER POT | TRANSPLANT TO FINISH (WEEKS) |
|----------------|----------------|------------------------------|
|----------------|----------------|------------------------------|

| | | |
|----------------------|------------|-------------|
| 4 in. (10 cm) | 1 | 4-6 |
| Quart (12 cm) | 1 | 6-8 |
| 6 in. (15 cm) | 2-3 | 7-10 |

| FERTILITY | |
|-----------|--|
|-----------|--|

| | |
|-----------------|---------------------------------------|
| Fertilizer Rate | 150-200 ppm N |
| EC Range | Moderate: (2.0-3.5 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 2: Allow media to dry moderately between thorough waterings |
|----------------------|--|

| LIGHT | |
|-------|--|
|-------|--|

| | |
|----------------------|---|
| Daylength Neutral? | Yes |
| Optimum Light Level | 5,000-9,000 fc (53,800-96,900 lux) |
| Supplemental | None |
| Benefits From Shade? | No |

| PINCHING | |
|----------|--|
|----------|--|

| | |
|----------------------------|---------------------------|
| Finishing Pinch? | Yes |
| Transplant to Pinch (days) | As needed to shape |

| POTENTIAL DISEASES | |
|--------------------|--|
|--------------------|--|

Botrytis, Pythium, Rhizoctonia

| POTENTIAL PESTS | |
|-----------------|--|
|-----------------|--|

Aphids, Thrips, Fungus Gnats,

| PGR SUGGESTIONS | |
|-----------------|--|
|-----------------|--|

- 1000-2000ppm B-Nine (85% Daminozide)
- 300-500ppm Florel (3.9% Ethephon)
- A Bonzi (0.4% Paclobutrazol) drench at 2-3ppm once plant reaches finish size greatly improves holdability in shipping and retail



'Boom Wildfire'

TIPS

- The best way to control growth of Bidens is to grow in high light with cool temperatures and moderate moisture. Excess moisture or low light can lead to excess vegetative growth.
- When applying PGRs to Bidens, it is best to use lower concentrations but more frequent applications. PGRs can delay flowering by 1-2 weeks; avoid spraying PGRs once flower buds appear.
- Yellowing older foliage is often a sign of overwatering.
- Pinch plants 10 days after transplant to improve basal branching. If finishing in large baskets or combinations, a second pinch is recommended.

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ANNUAL
FEATURES AND BENEFITS

BIDENS BIDY

Bidens ferulifolia



KEY INFORMATION

| | |
|--------------------------------|---|
| Primary Common Name | Bidens |
| Consumer Watering Instructions | Water thoroughly when top 1 inch (3cm) of soil is dry. |
| Bloom Time | Blooms Spring to Autumn |
| Exposure | Full Sun |
| Height | 8-10 inches (20-30 cm) |
| Garden Spacing | 9 inches (23 cm) |

DESCRIPTION

The Bidy Gonzales series is the first and fastest to flower. Large daisy-like flowers and controllable habit make this plant an easy choice for most growers.

CONSUMER APPEAL

- Excellent companion plant attracting butterflies and complementing other garden annuals and perennials.
- Heat and urban tolerant, Bidens are an excellent choice for blazing full sun displays.

GARDEN ATTRIBUTES

- Attractive daisy-like flowers best used in mass plantings. Bidens bring a fine delicate texture to the landscape.
- Good container and landscape performance. Tolerant of most soil conditions though preference for well-drained soils.

NATIVITY

North America mainly centered in the southwestern United States and Mexico.



'Gonzales Big'



'Bop Blaze'

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