

ANNUAL PROPAGATION **BIDENS BIDY**

Bidens



TRAY & ROOTING

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

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	20-22°C
Average Air Temp (Day)	21-24°C
Average Air Temp(Night)	20-22°C

IRRIGATION

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

Daylength Neutral?	Yes
Supplemental	None
Benefits From Shade?	No

POTENTIAL DISEASES

Botrytis, Pythium, Rhizoctonia

POTENTIAL PESTS

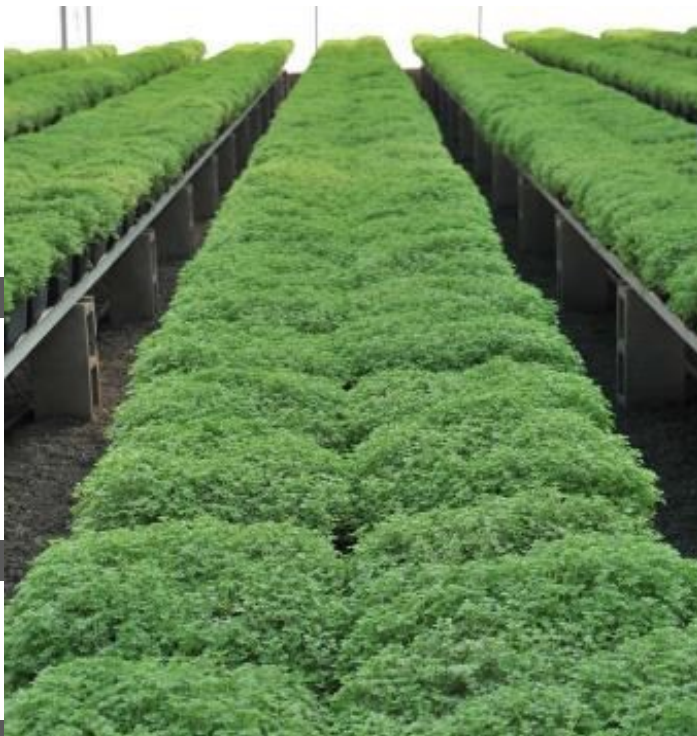
Aphids, Thrips, Fungus Gnats

PGR SUGGESTIONS

- Ethephon
- Daminozide during mid-propagation or shortly after transplant

CULTIVAR LIST

Bidy Gonzales, Bidy Gonzales Big, Bidy Gonzales Top, Bidy Gonzales Trailing, Bidy Boom Wiooldfire, Bidy Bop Blaze, Bidy Boom Red



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.
- 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 ulifolia



CONTAINER SIZE	PLANTS PER POT	TRANSPLANT TO FINISH (WEEKS)
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10-12 cm	1	4-6
13-15 cm	1	6-8
15 cm and up	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	20-24°C
Night Temperature	18-23°C

IRRIGATION

Irrigation Frequency	Level 2: Allow media to dry moderately between thorough waterings
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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

- Daminozide
- Ethephon
- A Paclobutrazol once plant reaches finish size greatly improves holdability in shipping and retail.



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 ulifolia ulifolia



KEY INFORMATION

Primary Common Name	Bidens
Consumer Watering Instructions	Water thoroughly when top 3cm of soil is dry.
Bloom Time	Blooms Spring to Autumn
Exposure	Full Sun
Height	20-30 cm
Garden Spacing	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.



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