

PERENNIAL

## PROPAGATION

# *Buddleia Open Cultivar(s)*

*Buddleia davidii*



### TRAY & ROOTING

Form	<b>Unrooted Cuttings (URC)</b>
Rooting Hormone	<b>Yes</b>
Tray Size(s)	<b>50, 105</b>
Plants Per Cell	<b>1</b>
Wks. From Stick To Transplant	<b>4-5</b>
Pinch?	<b>Yes</b>
Days from stick to pinch	<b>14-21</b>

### FERTILITY

Fertilize Through Mist?	<b>No</b>
Fertilizer Rate	<b>100-150 ppm N (20-6-22 or 22-5-16 [15-0-15 under low-light conditions])</b>
EC Range	<b>Moderate: (2.0-3.5 mS via SME)</b>
pH Range	<b>5.8-6.2</b>

### TEMPERATURE

Average Soil Temperature	<b>18-22°C</b>
Average Air Temperature	<b>18-22°C</b>

### IRRIGATION

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

Supplemental	<b>No</b>
Benefits From Shade?	<b>No</b>

### POTENTIAL DISEASES

Botrytis, downy mildew

### POTENTIAL PESTS

aphids, whitefly

### PGR SUGGESTIONS

- Optional 300-500 ppm Florel (3.9% Ethephon)
- Optional 3-5 ppm Sumagic (0.055% Uniconazole)

### CULTIVAR LIST

Black Knight, Royal Red



'Royal Red'

### TIPS

- Cuttings are sensitive to drying out; tip burn is a tell-tale sign of this issue.

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FINISHING

# *Buddleia Open Cultivar(s)*

*Buddleia davidii*



## VERNALIZATION

Vernalization Required?	<b>No</b>
Vernalization Duration Minimum	<b>N/A</b>
Vernalization Temperature	<b>N/A</b>

CONTAINER SIZE	PLANTS PER POT	TRANSPLANT TO FINISH (WEEKS)
<b>16 cm</b>	<b>1</b>	<b>10-12</b>
<b>22 cm</b>	<b>2</b>	<b>10-12</b>
<b>30 cm</b>	<b>3</b>	<b>10-12</b>

## FERTILITY

Fertilizer Rate	150-200 ppm N (20-6-22 or 22-5-16 [15-0-15 under low-light conditions])
EC Range	<b>High: (3.5-5 mS via SME)</b>
pH Range	<b>5.8-6.4</b>

## TEMPERATURE

Day Temperature	<b>18-24°C</b>
Night Temperature	<b>13-18°C</b>

## IRRIGATION

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

Photoperiodic requirements	<b>Long day: 12+ hours daily</b>
Supplemental?	<b>Daylength Extension</b>
Benefits From Shade?	<b>No</b>

## PINCHING

Finishing Pinch?	<b>Optional</b>
Transplant to pinch (days)	<b>14-21</b>

## POTENTIAL DISEASES

Botrytis, downy mildew

## POTENTIAL PESTS

aphids, whitefly

## PGR SUGGESTIONS

- Bonzi (0.4% Paclobutrazol) 5-40ppm spray
- 5-8 ppm Sumagic (0.055% Uniconazole)
- 2500 ppm B-Nine (85% Daminozide) as needed



'Royal Red'

## TIPS

- Final pinch 4 weeks after transplanting. Heavy PGR applications are required.
- Full sun (preferably outdoor production) and drip irrigation is the best system for finishing.
- The large and heavy root system requires additional irrigation. Make sure Buddleia is not allowed to dry- out completely.
- Avoid fertilizing during winter months when the plant isn't actively growing. This will cause a buildup of soluble salts in the media and increase risk of root burn.

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## FEATURES AND BENEFITS

# *Buddleia Open Cultivar(s)*

*Buddleia davidii*



### KEY INFORMATION

First Year Flowering?	<b>Yes</b>
Bloom Time	<b>Early Summer to Late Summer</b>
Exposure	<b>Full Sun</b>
Hardiness Zone	<b>5-12</b>
Height	<b>122-152 cm</b>
Width	<b>152 cm</b>

### DESCRIPTION

Buddleia has regained popularity with new very compact breeding and bright colors. The classic Buddleia architecture is still widely appreciated for its quick and dramatic impact in the landscape.

### CONSUMER APPEAL

- As the common name implies, Buddleia are the ultimate butterfly attractors but they also support bee species and hummingbirds as well. Due to its shrubby nature, Butterfly Bush is generally avoided by deer and rabbits.

### GARDEN ATTRIBUTES

- This collection of *Buddleia davidii* is vigorous with a broad arching habit giving it exceptional impact in the landscape.
- Although unusual and somewhat unorthodox, Buddleia blooms have a wholesome "fresh-baked-bread" fragrance to their flowers.
- Remarkably drought tolerant once established, these sub-shrubs aren't picky when it comes to soil conditions; happy with dry or moist. If planting in clay soil, amend the soil first with compost or other organic matter to improve the drainage.
- In northern climates, Buddleia is classified as a "sub-shrub" meaning that it dies back to the ground during the winter and reestablishes itself from the root system the following year. To ensure a good growing habit, remove the previous year's woody stem

### NATIVITY

China

### COMPANION PLANTS

*Ceratostigma, Glechoma, Lamium, Lamiastrum, Mazus, Verbena, Vinca, Lysimachia, Lithodora, Iberis, Hypericum, Hedera, Geranium*

### COMMON NAME(S)

butterfly bush, summer lilac



'Black Knight'

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