

PERENNIAL

PROPAGATION

Phlox Flame Series

Phlox paniculata



TRAY & ROOTING

Form	Unrooted Cuttings (URC)
Rooting Hormone	Yes
Tray Size(s)	72, 105
Plants Per Cell	1
Wks. From Stick To Transplant	6-8
Pinch?	Yes
Days from stick to pinch	21-28

FERTILITY

Fertilize Through Mist?	50-75 ppm N
Fertilizer Rate	100-150 ppm N (20-6-22 or 22-5-16 [15-0-15 under low-light conditions])
EC Range	Moderate: (2.0-3.5 mS via SME)
pH Range	5.6-6.2

TEMPERATURE

Average Soil Temperature	22-26°C
Average Air Temperature	22-26°C

IRRIGATION

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

Supplemental	Yes
Benefits From Shade?	No

POTENTIAL DISEASES

root rot, bacterial leaf spot, powdery mildew

POTENTIAL PESTS

whitefly, aphids, mites

PGR SUGGESTIONS

- Optional 300-500 ppm Florel (3.9% Ethephon)

CULTIVAR LIST

Pro Cerise, Pro Lilac, Pro Baby Doll, Pro Purple, Pro Violet Charme, Coral, Coral Improved, Light Blue, Light Pink, Light Pink Improved, Lilac, Marine, Pink, Pink Eye, Purple, Purple Eye, Purple Improved, Red, Ruby, White,



'Pro Baby Doll'

TIPS

- Fertilize regularly to avoid chlorosis.
- A preventative fungicide should be applied to the roots to reduce disease pressure.

WE'RE HERE TO HELP YOU GROW

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FINISHING

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VERNALIZATION

Vernalization Required? **No**

Vernalization Duration Minimum **N/A**

Vernalization Temperature **N/A**

CONTAINER SIZE	PLANTS PER POT	TRANSPLANT TO FINISH (WEEKS)
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15-16 cm	1-2	9-12
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22-30 cm	3-5	11-13
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FERTILITY

Fertilizer Rate 250-300 ppm N (20-6-22 or 22-5-16 [15-0-15 under low-light conditions])

EC Range **High: (3.5-5 mS via SME)**

pH Range **5.5-6.2**

TEMPERATURE

Day Temperature **24-27°C**

Night Temperature **18-24°C**

IRRIGATION

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

LIGHT

Photoperiodic requirements **Long day: 12+ hours daily**

Supplemental? **Daylength Extension**

Benefits From Shade? **No**

PINCHING

Finishing Pinch? **No**

Transplant to pinch (days) **N/A**

POTENTIAL DISEASES

root rot, bacterial leaf spot, powdery mildew

POTENTIAL PESTS

whitefly, aphids, mites

PGR SUGGESTIONS

- None



'Pink Eye'

TIPS

- Drip irrigation and proper fertilization is essential for ideal finish size, habit, and flower count.
- Proper spacing, air circulation, and high EC helps prevent diseases and promote branching.
- Reoccurring preventive fungicide applications are recommended.

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FEATURES AND BENEFITS

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Phlox paniculata



KEY INFORMATION

First Year Flowering?	Yes
Bloom Time	Summer
Exposure	Full Sun to Part Shade
Hardiness Zone	4-9
Height	36-41 cm
Width	36-41 cm

DESCRIPTION

Best summer Phlox series on the market today with all the colors you need on a compact easy-to-grow habit.

CONSUMER APPEAL

- Phlox is a known butterfly and hummingbird magnet. Additionally, it has shown good resistance to deer and the allelopathic biochemicals excreted by black walnut trees.
- The true flower-power of Phlox comes from an abundance of small blooms. With that being said, the fragrant flower clusters can still be used in bouquets or arrangements especially if the entire stalk is removed. 'Flame Coral' and 'Flame Red' are particularly showy cultivars featuring dazzling shades of red.

GARDEN ATTRIBUTES

- Under proper conditions, 'Flame' Phlox can be the backbone of most perennial borders. It can also be grown as a cottage plant, as a container piece, in a pollinator garden, or in a naturalized area.
- Soil conditions should be kept moderately moist and relatively rich in organic matter.
- All *Phlox paniculata* are susceptible to powdery mildew, site in a well ventilated area to limit disease pressure.
- The genus name of Phlox is actually the Greek word for flame making our 'Flame' series double the fire!
- Flame Blue was a Top Performer at the Colorado State University trial gardens for the 2016-2017 season.

NATIVITY

Native to the eastern half of North America.

COMPANION PLANTS

Veronica, Leucanthemum, Geranium, Lamium, Lamiastrum, Viola, Paeonia, Campanula, Dianthus

COMMON NAME(S)

garden phlox, perennial phlox, summer phlox, sweet William



'Red'

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