PERENNIAL

PROPAGATION

Phlox Early Series
Phlox x 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
100-150 ppm N (20-6-22 or 22-5-16 [15-0-15 under low-light conditions])
Fertilizer Rate
EC Range: Moderate: (2.0-3.5 mS via SME)
pH Range: 5.6-6.2

TEMPERATURE

Average Soil Temperature: 72-78°F (22-26°C)
Average Air Temperature: 72-78°F (22-26°C)

IRRIGATION

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

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

Cerise, Pink Eye, Pink Improved, Purple Eye, Purple Pink Eye, Red, White, Pink Candy

‘Pink Eye’

TIPS

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

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Tech.NA@DummenOrange.com
614-850-8551
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## Phlox Early Series

**Phlox x paniculata**

### Vernalization

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Duration</th>
<th>Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vernalization Required?</td>
<td>Yes</td>
<td>35-40°F (1.6-4.4°C)</td>
</tr>
<tr>
<td>Vernalization Duration</td>
<td>6-8 weeks</td>
<td></td>
</tr>
<tr>
<td>Minimum Vernalization</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Container Size

<table>
<thead>
<tr>
<th>Size</th>
<th>Plants Per Pot</th>
<th>Transplant to Finish (Weeks)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 in./qt (10-12 cm)</td>
<td>1</td>
<td>6-9</td>
</tr>
<tr>
<td>6 in./Gal. (15-16 cm)</td>
<td>2</td>
<td>10-12</td>
</tr>
</tbody>
</table>

### Fertility

- **Fertilizer Rate**: 250-300 ppm N (20-6-22 or 22-5-16 [18-0-15 under low-light conditions])
- **EC Range**: High: (3.5-5 mS via SME)
- **pH Range**: 5.5-6.2

### Temperature

- **Day Temperature**: 75-80°F (24-27°C)
- **Night Temperature**: 65-75°F (18-24°C)

### Irrigation

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

### Light

- **Photoperiodic requirements**: Daylength Neutral
- **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

## 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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PERENNIAL

FEATURES AND BENEFITS

**Phlox Early Series**

*Phlox x paniculata*

### KEY INFORMATION

- **First Year Flowering?** Yes
- **Bloom Time** *Late Spring to Early Summer*
- **Exposure** Full Sun
- **Hardiness Zone** 4-8
- **Height** 8-16 inches (20–41 cm)
- **Width** 8-16 inches (20–41 cm)

### DESCRIPTION

Phlox ‘Early’ from Dümmen Orange is the earliest phlox on the market with unusual flower clusters and a great color selection all wrapped in a tidy compact 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.

### GARDEN ATTRIBUTES

- 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!

### 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

‘White’

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