Plant Growth Regulator for Trees
22.3% Paclobutrazol

Apply via basal (soil) drench or soil injection.

(040-1205) 1/2 gallon
(040-1200) 1 gallon*
(040-1210) 1 gallon case of 4

*1 gallon treats approximately 52 trees (10” DBH) at medium rate.

**ONE PRODUCT. MANY USES.**

- Slows the growth of ornamental trees
- Reduces pruning frequency
- Aids in drought conditions
- Reduces construction damage
- Enhances fine root hair growth in trees

Elm  Maple  Oak

...and More!

For more information, visit arborjet.com
**Shortstop**

**PLANT GROWTH REGULATOR FOR TREES**
Shortstop is a systemic plant growth regulator that slows aboveground vegetative growth by inhibiting gibberellin biosynthesis for use on trees. Shortstop is most effective when applied to the soil near the base of the tree either by soil injection or with basal soil drench.

**BENEFITS OF SHORTSTOP APPLICATIONS**

<table>
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<tr>
<th>Benefit</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>Redistributed energy</strong></td>
<td>Rather than expending energy on top growth, trees increase root production, reducing need for pruning and improving drought tolerance.</td>
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<td><strong>Altered leaf physiology</strong></td>
<td>Changes like thicker leaf cuticles, smaller stomata size, and increased leaf hairs help reduce water vapor loss in hot, dry weather and may aid in surviving pest attacks.</td>
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<td><strong>Enhanced root hair growth</strong></td>
<td>Strong roots mean strong trees; an enhanced root system optimizes translocation of water and nutrients found in the soil, reducing stress and the impact of construction damage.</td>
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<td><strong>Reduced production of gibberellic acid</strong></td>
<td>Gibberellic acid is responsible for vegetative growth in plants. Reducing its production results in shorter length between internodes of branches and 80-95% less annual branch growth, meaning less frequent pruning and maintenance.</td>
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<tr>
<td><strong>Increased production of abscisic acid</strong></td>
<td>Abscisic acid is an inhibitory plant hormone that reduces transpiration to prevent water loss and reduces enzyme production required for photosynthesis, aiding in drought stress management and top-growth production.</td>
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<tr>
<td><strong>Increased production of chlorophyll</strong></td>
<td>Chlorophyll allows plants to absorb energy from sunlight and produces green leaves. Increased chlorophyll production results in greater energy optimization and attractive deep green foliage.</td>
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Shortstop® is a registered trademark of Greenleaf Chemical, LLC.

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