

TIMING: Make one application 2 to 4 weeks prior to flower buds at pinhead sized (or smaller) for optimum application timing.

PRESSURE: Use low pressure settings to avoid runoff, drift or back spray. Compressed air sprayers, backpack (knapsack) sprayer and other pressurized sprayers can be used successfully.

SPRAY SOLUTIONS: Mix three (3) fluid ounces of Atrimmec® Plant Growth Regulator plus 0.5 to 1.0 fluid ounces of a 100% organosilicone surfactant to one (1) gallon of water.

Quick mix table for bark banding treatments.

Spray mixture desired (gallons)	Add this amount of Atrinal® (fl. oz.)	Add this amount of 100% organosilicone surfactant (fl. oz.)
1	3 fl. oz.	0.5 to 1.0 fl. oz.
2	6 fl. oz.	1.0 to 2.0 fl. oz.
3	9 fl. oz.	1.5 to 3.0 fl. oz.
5	15 fl. oz.	2.5 to 5.0 fl. oz.
10	30 fl. oz.	5.0 to 10.0 fl. oz.
100	300 fl. oz.	50 to 100.0 fl. oz.

Note: Proportionally for each 12 in trunk diameter at breast height (DBH or at 4.5 feet above the soil, apply 1 gallon of spray mixture.

Equivalent concentrations: 3 fl.oz./1 gallon = 2.3% v/v solution = 0.4 dikegulac acid equivalent or 4000 ppm dikegulac acid equivalent

APPLICATION:

Directions and Spray Amount Required for Each Tree:

1. The amount of spray solution required for bark banding depends upon the tree trunk diameter.
2. Measure the diameter of the tree trunk in inches at breast height (DBH) or at 4.5 feet from the soil.
3. For multi-stemmed plants, measure the diameter of each stem at 4.5 feet from the soil, add the individual diameters of each stem to determine the total diameter of the tree at breast height.

Example: At 4.5 feet above the soil, a three-limbed, forked tree with a 7-inch diameter stem, a 5-inch diameter stem and a 6-inch diameter stem has a total of 18-inch diameter and will require 1.5 gallons of spray solution.

4. Apply the appropriate mixture to the tree starting at the tree trunk and lower limbs and apply down to the soil line.
5. Include root flares in the application.
6. Use low spray pressure. Apply with a technique, pressure setting and nozzle setting that will maximize the retention of the solution on the trunk.
7. The spray solution should be applied as a circular band to the entire circumference of the tree trunk or multi-stemmed plants.
8. Be sure to apply the entire, appropriately prepared solution to each tree and/or stem.
9. For optimum plant translocation, apply when daytime temperatures are expected to be 60 degrees F or above for several days following the application.
10. Do not apply to dormant trees or during drought stress when trees are not actively transpiring.

