



LOW VOLUME BASAL BARK TREATMENTS

Description

Low volume basal bark treatments are a type of individual plant treatment designed to specifically target individual stems within the proximity of desirable vegetation. Preferred equipment includes a backpack sprayer equipped with oil resistant seals and pressure control, a wand fitted with an adjustable cone tip nozzle such as 5500-X3 and with a shut off at the tip. This application with Milestone®, Garlon® 4 Ultra or Pathfinder® II can control more than 80 woody plants and vines.

How to use

Treat the target stem by applying the spray solution to the lower 12-15 inches of bark down to the ground line completely around the entire stem. This application is similar to applying spray paint, so that the stem is covered but not to the point of runoff. Also treat any exposed surface roots from the target trees. This treatment is effective on smooth bark species up to 6 inches in diameter and rough bark species up to 4 inches in diameter.

When to use

Low volume basal bark treatments can be performed year-round except when water or snow prevents spraying to ground line or stem surfaces are saturated. Do not apply to bark that's wet from heavy dew and rain. If the herbicide/penetrating oil mix turns white when applied to the bark, then that is an indicator that the bark is too wet and the application will be less likely to work well.

Product recommendation

Mix 20-25% Garlon 4 Ultra + 75-80% Basal Oil or use Pathfinder II undiluted. For improved control of certain root-suckering species, consider adding 1-3% Milestone herbicide. Talk to your local Dow AgroSciences representative or local distributor to determine if you should add Milestone to your mixture.

When adding Milestone ensure the basal oil is compatible with Milestone since it's a water soluble herbicide. Make a stable tank mixture for basal bark application by first combining each product with a compatibility agent prior to final mixing in the desired ratio. Mix Milestone and Garlon 4 Ultra (if using a tank mix) thoroughly with basal oil; if the mixture stands for more than 30 minutes, re-agitation may be required. Do not store the final mixture. Read Milestone Specialty Herbicide for Use Around Woody Plants Sheet before using Milestone.

If you need less than 10 gallons, Pathfinder II is the convenient choice. However, if you need 10 or more gallons, you might consider inquiring about a custom blend of Garlon 4 Ultra + basal oil which comes pre-mixed with an indicator dye for your convenience.



NOTE

Avoid treating high density of stems adjacent to desirable trees with roots in the treatment zone. See table 2 for guidance on estimated volume per acre by treated stem density. Trees adjacent to or in a treated area can occasionally be affected by root uptake of Milestone. Applications of Milestone within the root zone of desirable trees should not be made unless injury can be tolerated. Severe injury or plant death can occur if used near roses, or leguminous trees such as locusts, redbud, mimosa, and caragana.

Table 1

% of Milestone in Basal Mix	Fluid Ounces of Milestone by GPA (gallons per acre)						
	1	2	3	4	5	6	7
1.0	1.3	2.6	3.8	5.1	6.4	7.7	9.0
1.5	1.9	3.8	5.8	7.7	9.6	11.5	13.4
2.0	2.6	5.1	7.7	10.2	12.8		
2.5	3.2	6.4	9.6	12.8			
3.0	3.8	7.7	11.5				

 Within spot treatment labeled rate  In excess of spot treatment labeled rate

Table 2

Estimated gallons of spray solution per acre for basal bark applications on various stem densities per acre			
Number of Stems/Acre	Volume/Acre Range		Target
	Gal/Acre	Gal/Acre	Spacing
250	1.0	1.7	8.4
500	2.0	3.3	5.9
750	3.0	5.0	4.9
1000	4.0	6.6	4.2
1250	5.0	8.3	3.8
1500	5.9	9.9	3.4



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Always read and follow label directions.
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