

NONCROPLAND WEED MANAGEMENT

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Formulated Product and Rate	Weeds Controlled	Remarks and Precautions
BAREGROUND HERBICIDES:		
CBPM (Pramitol 5PS) @ 1-2 lbs./100 sq ft or Pramitol 25E @ 10-20 gal/A	Grasses and broadleaf weeds	Apply anytime to vegetation or soil. IF CBPM is used, broadcast pellets uniformly. If Pramitol 25E is used, apply in 150-200 gal. of water. For faster top-kill of existing vegetation, use diesel oil in place of water for a carrier.
Hyvar X 80% WP @ 10-25 lbs./A	Grasses and broadleaf weeds	Apply in spring and summer in 150-200 gal. of water. Do not use on irrigation ditches or near desirable trees. Apply with surfactant if weeds are present.
Karmex 80% DF @ 20-60 lbs./A	Woody plants	Apply before weed growth begins in 150-200 gal. of water. Use lower rates on lighter soils.
Sahara, Mojave DG @ 13-19 lbs./A	Most annual and perennial weeds	Apply at preemergence or early postemergence in 10-20 GPA of water. Always use a non-ionic surfactant or crop oil concentrate for postemergence applications.
Sodium chlorate @ 650-870 lbs./A or 1.5-2 lbs./100 sq ft (Atlacide)	Johnsongrass, bermudagrass; most annual and seedling plants	Apply to plants actively growing and before seed formation. Easily combustible after drying on clothes and plants. Less flammable when mixed with calcium chloride or borates.
Viewpoint @ 13-20 oz/A	Grasses, broadleaf weeds, many woody plants	Apply preemergence or postemergence to weeds. Consult label for proper rate selection.
Numerous other herbicide combinations containing borates, chlorates and/or residual compounds are available. Failure to list these in this publication does not indicate that they are ineffective as soil sterilants.		
ABATEMENT - NOT BAREGROUND:		
Arsenal and other imazapyr formulations @ 2.0 - 6.0 pt/A	Annual and perennial grasses and broadleaf weeds; some brush control	Apply at postemergence to weeds. Good residual activity. For non-cropland use only.
Garlon 4 @ 1.0-2.0 pt/A	Many broadleaf weeds; some brush species	Apply in spring and summer in 10-20 of water. Good brush control. Weak on some broadleaf weeds. Recommended for use in 2,4-D-restricted parishes and areas.
Journey @ 10.7-16.4 oz/A	Johnsongrass, vaseygrass, certain broadleaf weeds	Apply in spring and summer in 10-20 gal. of water with 0.5% V/V surfactant. Use at higher rate in spring for bermudagrass release on noncrop areas where bahiagrass is not desirable. Lower rate may or may not control bahiagrass. Use in combination with mowing for best results.
Karmex 80DF @ 5-10 lbs./A	Johnsongrass, other grasses, most annual and perennial broadleaf weeds	Apply in late winter or early spring in 100-150 gal. of water. Can be applied to fence rows including pasture fences for season-long weed control.
Karmex 80 DF @ 3.0 lbs./A + MSMA @ 3.0 lbs./A	Johnsongrass, dallisgrass and most annual grasses and broadleaf weeds	Apply in the spring after grasses and broadleaf weeds are growing in 50 gal./A. Hyvar more effective on heavy or clay soil. Apply as a spray to remove grasses and weeds when a bermudagrass sod is desired. Dry ditches, turn rows and fences except around pastures. Do not apply products containing arsenic along pasture fences. Add 0.50% non-ionic surfactant.
Hyvar X 80WP @ 1.5 lbs./A + MSMA @ 3.0 lbs./A		

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ABATEMENT - NOT BAREGROUND continued:		
Esplanade 200 SC @ 3.5 – 7.0 fl. oz/A	Annual grasses and certain broadleaf weeds	Apply prior to weed germination. Excellent long-term annual grass and small-seeded broadleaf control. Apply with postemergence herbicide such as glyphosate.
Outrider @ 1.3 oz/A	Johnsongrass and sedges	Apply at early postemergence. For bermudagrass and bahiagrass, release on road sides and other non-crop areas. Apply with 0.5% surfactant.
Overdrive @ 4.0 - 8.0 oz/A	Many broadleaf weeds.	Apply in spring and summer in 10-20 GPA.
Plateau @ 7 - 10 oz/A	Johnsongrass, vaseygrass; certain broadleaf weeds	Apply at early postemergence for bermudagrass release on roadsides and other noncrop areas. Apply with 0.5% surfactant.
Roundup Ultra/Pro OR other glyphosate formulations ¹ (4 lbs./gal) @ 1 - 5 qt/A	Annual and perennial broadleaf weeds and grasses	Apply to actively growing weeds. Use 1-1.5 pt./A for bermudagrass release. High rates give nonselective control. Roundup Pro and Oust XP are currently registered to be tank-mixed at 1.0 pt plus 1.0 oz. Oust XP/A for bermudagrass release in non-crop areas.
Milestone @ 4.0 – 7.0 oz./A	Many broadleaf weeds	Very effective on broadleaf weeds such as thistle and horsenettle.
Spike 80WP @ 5-20 lbs./A	Annual and perennial broadleaf grasses and woody plants	Apply in winter and early spring in 100-200 gal. of water. Use high rates for perennial grasses and woody plants. Don't use on fence rows.
Ureabor @ 1-3 lbs./100 sq ft.	Annual and perennial broadleaf weeds	Apply when weeds are actively growing. Noncrop areas only. Can be applied dry or dissolved in water to spray.
Streamline @ 1.7-9.5 oz/A	Most broadleaf weeds and bahiagrass	Apply at full-leaf, avoid drift to desirable plants. Can be used in certain unimproved turf and roadside applications. Consult label for proper rate and weed selection. Apply when weeds are actively growing. Add 0.25 % v/v non-ionic surfactant.
VEGETATION CONTROL UNDER ASPHALT PAVEMENT: CAUTION – Vegetation such as trees and shrubs may be damaged or even killed if their roots grow into the herbicide-treated soil.		
CBM (Sodium chlorate + sodium metaborate) @ 240 gal/A	All weeds controlled	Apply just ahead of prime coat at 200 GPA. Weeds from adjacent areas may grow under edge of pavement.
Hyvar XL @ 12 gal/A or Hyvar X @ 30 lbs./A	All grasses, sedges, broadleaf weeds	Apply after shaping and prior to compacting. After spraying incorporate into the top 6 inches of material with rotary equipment.
Pramitol 25E @ 25 gal/A or Pramitol 80 WWP @ 60 lbs./A	Same as above	Same as above. Do not apply Pramitol under asphalt coating less than 3 inches.
Treflan @ 3.0 - 4.0 gal/A	Grasses and some broadleaf weeds	Same as above. Use sufficient water to ensure thorough wetting of the soil.
Spike 80W @ 5.0 - 20.0 lbs./A	Broadleaf weeds and grasses	Same as above. Rate depends on weeds to be controlled. See label.

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WEEDS IN EXISTING ASPHALT PAVEMENTS:		
Roundup Ultra, Roundup Pro, others 4 lbs. active ingredient @ 5 qt/A	Broadleaf weeds and grasses	Apply in 10-40 gal. of water. Use 2 oz./ gal. of water per 1,000 sq ft. to control annual grasses. Bermudagrass, nutsedge, other perennial weeds, use 3 oz. per gallon of water per 1,000 sq. ft.). For torpedograss infestations, use 5 oz per gallon of water per 1,000 sq. ft.
<p>Other treatments listed for soil sterilization also can be used to treat the soil under pavement. Hyvar is more effective in controlling nutsedge than many of the other herbicides listed. All of the soil sterilization treatments, except TCA, may injure vegetation some distance from the edge of the pavement. Hyvar, Karmex, AAtrex, Pramitol may injure trees adjacent to the treated area.</p>		
FOLIAGE TREATMENTS NONSELECTIVE - GRASSES AND BROADLEAF WEEDS		
Arsenal and other imazapyr formulations @ 2.0 - 6.0 pt/A	Annual and perennial grasses and weeds; some brush species.	Apply at 30-50 GPA. Good residual activity.
Finale @ 3.0 - 6.0 qt/A	Annual and perennial grasses and broadleaf weeds	Apply at 20 GPA. No residual activity. Fast acting.
Herbicide Naphtha	Annual grasses and broadleaf weeds; top kill of perennial weeds	Apply at 50-100 GPA. Regrowth will occur from roots; other annual weeds will probably appear. Repeat as needed.
Roundup Ultra/Pro, others @ (4 lbs./gal) 2 - 5 qt/A	Annual and perennial weeds	Apply in 10-40 GPA. Apply 1% solution to annual weeds and johnsongrass (1.25 oz. Roundup/gal). Apply 2% solution to bermudagrass and nutsedge (2.5-3 oz. Roundup/gal).
<p>¹ See "Appendix A" for more information on several glyphosate products and formulations.</p>		