

Crop, Situation, and Active Chemical Per Broadcast Acre	Weeds Controlled	Formulated Material Per Broadcast Acre	Time of Application	Method of Application and Precautions
Woody Plant Control in Non-Cropland (Right-of-ways, fencerows, industrial sites, etc.)				
Basal Spray				
clopyralid @ 0.5 lb	Kudzu, honeylocust, black locust, sericea lespedeza.	Transline 3 lb/gal 1.33 pt/A.	Late June to early October.	Clopyralid is a chemical which can travel (seep or leach) through soil and under certain conditions has the potential to contaminate groundwater which may be used for irrigation and drinking purposes. Users are advised not to apply picloram where soils have a rapid to very rapid permeability throughout the profile (such as loamy sand to sand) and the water table of an underlying aquifer is shallow or to soils containing sinkholes over limestone bedrock, severely fractured surfaces, and substrates which would allow direct introduction into an aquifer. Your local county Extension office can provide further information of the type of soil in your area and the location of groundwater.
aminocyclopyrachlor + met-sulfuron + imazapyr @ 0.5 to 0.77 lb/gal	Many broadleaf herbaceous and woody plants and some grasses.	Viewpoint 61.7 DF 13 to 20 oz/A.	Postemergence.	Read the label carefully before using Viewpoint. Very low rates of this herbicide can injure crops. Do not use on lawns, walks, driveways, tennis courts or similar areas. Do not apply more than 20 oz/A per year.
General Herbaceous Weed Control in Non-Cropland (Right-of-ways, fencerows, industrial sites, etc.)				
imazapyr @ 0.5 to 3 lb/A	Ash, dogwood, greenbrier, hawthorne, and many other grass, broadleaf and brush weeds.	Arsenal 2S 2 to 6 pt/A.	May be applied preemergence or as postemergence spray.	Post sprays are usually more effective. Apply to wet foliage. Apply to actively growing vegetation.
2,4-D amine 1 to 4 lb/A	Many annual and perennial broadleaf weeds.	2,4-D amine 1 to 4 qt/A.	Postemergence.	Apply as a foliar spray in 15 to 30 gpa of water to young, vigorously growing weeds. Avoid drift to susceptible crops or other desirable vegetation.
dicamba @ 0.5 to 8 lb/A	Many annual and perennial broadleaf weeds.	Vanquish 4S 1 pt to 2 gal/A.	Postemergence.	Apply to actively growing weeds and brush. May be tank mixed with 2,4-D, Karmex, Dalapon, Princep, Tordon, Amitrole, Hyvar, Velpar, Spike, Garlon and other herbicides to broaden spectrum of weed and brush control. See label for more information.
prodiamine @ 0.65 to 1.5 lb/A	Annual grasses.	Endurance 65 DF 1 to 2.3 lb/A.	Preemergence.	Tank mix with Roundup Pro or Arsenal for control of emerged weeds.
DSMA or MSMA @ 2.7 to 5.4 lb/A	Johnsongrass control in other perennial grasses.	DSMA or MSMA Many formulations.	Postemergence.	Apply when johnsongrass is 6 inches tall until early head stage. Repeat applications may be needed.
sulfosulfuron @ 0.062 to 0.13 lb/A	Johnsongrass, nutsedge, buttercup, others.	Outrider 75 DF 1.33 to 2.66 oz/A.	Postemergence to actively growing weeds. Treat johnsongrass at 12 to 18 inches.	Excellent for johnsongrass control in bermuda-grass. Does not injure actively growing bermuda-grass. Add 0.5% nonionic surfactant or methylated seed oil. May be tank mixed with Roundup Pro, Escort, Oust or other herbicides to broaden the spectrum of control.

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triclopyr @ 1.0 to 4.5 lb/A	Many annual and perennial broadleaf weeds.	Tahoe 3A, Garlon 3A or 4 + Nonionic Surfactant 0.33 to 1.5 gal/A of Garlon 3A, or 1 to 4 qt/A of Garlon 4 + 0.25 to 1 pt per 20 to 100 gal of water.	Postemergence.	Apply any time during growing season. May be tank mixed with 2,4-D or Tordon 22K to broaden spectrum of weed and brush control. See labels for more information.
fosamine @ 6 to 12 lb/A	Blackberry, multiflora rose, sumac and other brush and woody plant species.	Krenite S + Nonionic Surfactant 1.5 to 3 gal/A.	Postemergence.	Apply as a foliar spray from July through first frost. Complete coverage is essential for good control.
sulfometuron-methyl @ 0.5 to 0.56 lb/A	Johnsongrass, fescue, most annual grass and broadleaf weeds.	Oust 75 DF 1 to 12 oz/A.	Preemergence or postemergence.	Apply preemergence or early postemergence in late spring to early summer. Use nonionic surfactant for postemergence applications. Do not apply where runoff water may flow onto agricultural land or where other desirable vegetation is growing. May be tank-mixed with Karmex, Velpar and other herbicides for broader spectrum weed control. See label for more information.
sulfometuron + chlorsulfuron @ 0.14 to 0.048 to 0.35 + 0.12 lb/a	Many broadleaf weeds and grasses.	Landmark XP 4 to 9 oz/A.	Preemergence and postemergence.	Premix of Oust + Telar.
glyphosate @ 0.75 to 3.75 lb/A	Johnsongrass, bermudagrass, fescue, dandelion, multiflora rose, thistles, most annual weeds and many perennial plants.	Glyphosate (4 lb/gal formulations) 2 to 5 qt/A.	Postemergence.	Apply as foliar spray to actively growing plants. See label for use rates for specific plant species.
imazapic @ 0.032 to 0.188 lb/A	Johnsongrass, ragweed, tall fescue, prickly sida, trumpet creeper.	Plateau 2S 2 oz to 12 oz/A.	Postemergence.	Provides weed control and growth suppression.
imazapic + glyphosate @ 0.023 + 0.063 to 0.188 + 0.5 lb/A	Johnsongrass, crabgrass, sandbur, sedges, tall fescue control or seedhead suppression.	Journey 4 to 32 oz/A.	Postemergence.	Do not use unless bermudagrass injury can be tolerated.
pendimethalin @ 2 to 4 lb/A	Annual grasses.	Pendulum 60 DF 3.3 to 6.6 lb/A.	Preemergence.	Tank mix with Roundup Pro or Arsenal for control of emerged weeds.
aminocyclopyrachlor + chlor-sulfuron @ 0.06 to 0.38 lb/A	Many broadleaf herbaceous and woody plants.	Perspective 55.3 DF 1.75 to 11.0 oz/A.	Postemergence.	Read the label carefully before using Perspective. Very low rates of this herbicide can injure crops. Do not use on lawns, walks, driveways, tennis courts or similar areas. Do not apply more than 11.5 oz/A per year.
aminocyclopyrachlor + met-sulfuron @ 0.05 to 0.37 lb/A	Many broadleaf herbaceous and woody plants.	Streamline 52.1 DF 1.75 to 11.5 oz/A.	Postemergence.	Read the label carefully before using Streamline. Very low rates of this herbicide can injure crops. Streamline will damage or kill bahiagrass. Do not use on lawns, walks, driveways, tennis courts or similar areas. Do not apply more than 11.5 oz/A per year.

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Soil Sterilants (Right-of-ways, fencerows, industrial sites, etc.)				
bromacil + diuron @ 1.6 + 1.6 to 18.4 + 18.4 lb/A	Many annual and perennial broadleaf and grass weeds.	Krovar II DF 2 to 23 lb/A.	Preemergence or early postemergence.	Apply just before weed emergence or in early stages of weed growth. See label for use rates for specific weeds.
prometon @ 8 to 20 lb/A	Many annual and perennial broadleaf and grass weeds.	Pramitol 25E 4 to 10 gal/A.	Preemergence or postemergence.	Apply prior to emergence until 3 months after weed emergence. Will give residual control for over 1 year. See label for use rates for specific weeds and uses.
prometon + simazine + sodium chlorate + sodium metaborate	Many annual and perennial broadleaf and grass weeds.	Pramitol 5 PS 0.35 to 0.92 lb/100 sq ft.	Preemergence or postemergence.	Apply prior to emergence until 3 months after weed emergence. Will give residual control for over 1 year. See label for use rates for specific weeds and uses.
tebuthiuron @ 1 to 4 lb/A	Many annual and perennial broadleaf and grass weeds.	Spike 20P 10 to 20 lb/A of 20P.	March.	May be applied any time except when ground is frozen or the soil is saturated with moisture. Do not apply near desirable vegetation where roots may come in contact with the herbicide. Avoid contamination of irrigation water. See label for use rates for specific weeds.
dichlobenil @ 4 to 8 lb/A	Many annual and perennial weeds and woody plant species.	Casoron 4G 100 to 200 lb/A.	Preemergence.	See label for application instructions, use rates and specific weeds.
bromacil @ 3 to 24 lb/A	Many annual and perennial broadleaf and grass weeds.	Hyvar X-L 1.5 to 12 gal/A.	Preemergence or postemergence.	Apply as spray in 100 to 200 gal of water per acre. See label for use rates for specific weeds.
diuron @ 4 to 12 lb/A	Many annual and perennial broadleaf and grass weeds.	Karmex 80DF 5 to 15 lb/A.	Preemergence or early postemergence.	Apply to soil shortly before weed growth begins. See label for use rates for specific weeds.
bromacil + diuron @ 1.6 + 1.6 to 12 + 12 lb/A	Many annual and perennial broadleaf and grass weeds.	Krovar IDF 4 to 30 lb/A.	Preemergence or early postemergence.	Apply just before weed emergence or in early stages of weed growth. See label for use rates for specific weeds.
hexazinone @ 6 to 12 lb/A	Many annual and perennial broadleaf and grass weeds.	Velpar L 3 to 6 gal/A.	Preemergence or early postemergence.	Apply to soil from late winter to early summer, or in fall. Needs rainfall for activation. See label for use rates for specific weeds.
imazapyr + diuron @ 1.0 + 8.0 to 1.5 + 12.0 lb/A	Most herbaceous weeds.	Sahara DG 13-19 lb/A.	Pre or postemergence.	Tank mix with Roundup Pro for faster burn-down of emerged vegetation. Do not apply over or near the roots of desirable trees.