

2017 Rate per Gallon --- Herbicides Used in Fence Rows and Spot Sprays

Trade Name (Common name)	Herbicide Cost (Approximate)	Rate per Acre	Cost per Acre	Rate per Gallon for Spot Spray	Cost of product to Mix One Gallon
2,4-D amine	\$ 18/gal.	0.5 - 4 pt.	\$ 1-9/A	1.3 oz./gal. or 38.5 ml./gal.	\$0.18
2,4-D Lo-V ester	\$ 22/gal.	0.5 - 4 pt.	\$ 2-11/A	1.3 oz./gal. or 38.5 ml./gal.	\$0.22
Banvel (dicamba)	\$ 87/2.5 gal.	1-16 pt.	\$ 4-70/A	0.64 oz./gal. or 18.9 ml./gal.	\$0.18
Cimarron Max (metsulfuron + dicamba + 2,4-D)	\$ 140/2.5 gal.	Rate I, II, or III See label - co-pack	\$ 7-28/A	N/A	N/A
Cimarron Plus (metsulfuron + chlorsulfuron)	\$ 40/2oz.	0.25-1.25 oz.	\$ 5-25/A	0.01 oz./gal. or 0.284 grams/gal.	\$0.20
Crossbow/Crossroad (triclopyr + 2,4-D)	\$ 157/2.5 gal.	1-4 qt. 6 qt. (woody) 1-1.5% spot spray	\$ 16-63/A \$ 94/A	1.28 -1.92 oz./gal or 37.9 -56.8 ml/gal	\$0.63 - \$0.94
Curtail (clopyralid + 2,4-D)	\$ 141/2.5 gal.	2-4 qt.	\$ 28-56/A	0.37- 1.5 oz./gal or 11ml. - 44ml./gal	\$0.16 - \$0.66
Forefront R&P (aminopyralid + 2,4-D)	\$ 191/2.5 gal.	1.5-2.1 pt.	\$ 15- 20/A	0.55 – 1 oz./gal. or 16.3 - 29.6ml./gal.	\$0.33 - \$0.60
Milestone (aminopyralid)	\$109/qt.	3-7 oz.	\$ 10-24/A	0.89 -2.1 ml./gal	\$0.10 - \$0.24
Roundup (glyphosate)	\$ 57/2.5 gal.	1-3 % solution Spot treat only	\$ 0.23-0.69/ gal. mixed	1.28-3.84 oz./gal or 37.9-113.7ml/gal	\$0.23 - \$0.68
Other glyphosates	\$ 38/2.5 gal.	1-3 % solution Spot treat only	\$ 0.15-0.41/ gal. mixed	1.28-3.84 oz./gal. or 37.9-113.7 ml/gal	\$0.15 - \$0.45
Spike pellets (tebuthiuron)	\$ 75/5 lbs.	5-20 lbs./A or 3/8-3/4 oz./ 100ft ²	\$ 75-300/A \$0.35-.75/ 100ft ²	N/A	N/A
Stinger (clopyralid)	\$ 139/ 1/2 gal.	0.5 - 1 1/3 pt.	\$ 23-46A	2.47-6.41 ml/gal.	\$0.18 - \$0.47
PastureGard (triclopyr + fluroxypyr)	\$ 245/2.5 gal.	2-8 pt.	\$ 25-98/A	0.37-1.47 oz. /gal or 11 – 44 ml. /gal.	\$0.28 - \$1.12
Remedy Ultra (triclopyr)	\$ 88/ gal.	1-4 pt.	\$ 11-44/A	0.64 oz. /gal. or 18.9 ml. /gal.	\$0.44
Weedmaster dicamba + 2,4-D	\$ 42/gal	0.5 pt – 5.0 pt. Depends on weed size	\$3-26/A	1 oz. / gal. or 29.6 ml/gal	\$0.33

Any use of trade names in this chart does not imply endorsement of the product or recommend exclusion of any others which may be similar.

Measurement and Calculation Equivalents

Handy Liquid Conversion Units

1 gallon = 4 quarts = 8 pints = 16 cups = 128 fluid ounces = 3785 milliliters
 1 cup = 8 fluid ounces
 1 fluid ounce = 2 Tablespoons = 29.6 milliliters
 1 ml. = 1cc **Calibrated syringes work good for measuring small amounts**
 1 level Tablespoon = 3 level teaspoon
 1 level teaspoon = 5 milliliters
 1 level Tablespoon = 15 milliliters
 0.5 gal. per 1000 sq. ft. = 22 gal. per acre rate
 2.5 gal. per 1000 sq. ft. = 109 gal. per acre rate

Handy Dry Formulation Conversion Units

1 Pound = 16 ounces = 454 grams
 1 oz. = 28.4 grams
 1 oz. per square foot = 2,722.5 pounds per acre
 1 oz. per 100 square feet = 27.2 pounds per acre

Approximate Dilutions for Small Volumes of Spray Mixes. Equivalent Rates for Different Quantities of Water

Taken from OSU Bulletin 780 Controlling Diseases and Insects in Home Fruit Plantings

Formulation	100 gallons	5 gallons	3 gallons	1 gallon
Wettable Powder	5 pounds	15 Tablespoons	9 Tablespoons	3 Tablespoons
	4 pounds	13 Tablespoons	8 Tablespoons	8 teaspoons
	3 pounds	10 Tablespoons	6 Tablespoons	2 Tablespoons
	2 pounds	8 Tablespoons	4 Tablespoons	4 teaspoons
	1 pound	3 Tablespoons	6 teaspoons	2 teaspoons
	1/2 pound	5 teaspoons	1 Tablespoon	1 teaspoon
Emulsifiable Concentrate	5 gallons	1 quart	1 1/4 pints	13 Tablespoons
	4 gallons	1 1/2 pints	1 pint	10 Tablespoons
	3 gallons	1 1/4 pints	3/4 pint	8 Tablespoons
	2 gallons	3/4 pint	1/2 pint	5 Tablespoons
	1 gallon	1/2 pint	8 Tablespoons	3 Tablespoons
	1 quart	3 Tablespoons	2 Tablespoons	2 teaspoons
	1 pint	5 teaspoons	1 Tablespoon	1 teaspoon

Information Compiled by

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