

1 BACKPACK OR OTHER SMALL VOLUME SPRAYERS

Liquid Herbicide Formulations

TABLE 1. The amount of liquid herbicide you need to add to 1 gallon of water based on the recommended rate for the weeds you are spraying.

GPA (from step 5)	Recommended Application Rate per Acre (A)				
	5 fl oz/A	7 fl oz/A	1 pint/A	1 quart/A	2 quarts/A
20	7.5 cc/gal	10.5 cc/gal	5 tsp/gal	10 tsp/gal	3 1/4 fl oz/gal
30	5 cc/gal	7.0 cc/gal	3 tsp/gal	6 tsp/gal	2 fl oz/gal
40	3.8 cc/gal	5.3 cc/gal	2 1/3 tsp/gal	4 3/4 tsp/gal	1 2/3 fl oz/gal
50	3.0 cc/gal	4.2 cc/gal	2 tsp/gal	3 3/4 tsp/gal	1 1/4 fl oz/gal
60	2.5 cc/gal	3.5 cc/gal	1 2/3 tsp/gal	3 1/4 tsp/gal	6 1/3 tsp/gal
70	2.1 cc/gal	3.0 cc/gal	1 1/3 tsp/gal	2 3/4 tsp/gal	5 1/2 tsp/gal
80	1.9 cc/gal	2.6 cc/gal	1 1/4 tsp/gal	2 1/3 tsp/gal	4 3/4 tsp/gal
90	1.7 cc/gal	2.3 cc/gal	1 tsp/gal	2 tsp/gal	4 1/4 tsp/gal
100	1.5 cc/gal	2.1 cc/gal	1 tsp/gal	2 tsp/gal	3 3/4 tsp/gal

3 LARGER HANDGUN SPRAYERS

Liquid Herbicide Formulations

TABLE 3. The amount of LIQUID HERBICIDE you need to add to 100 gallons of water based on the recommended rate for the weed you are treating.

GPA (from step 5)	Recommended Application Rate per Acre (A)				
	5 fl oz/A	7 fl oz/A	1 pint/A	1 quart/A	2 quarts/A
20	25.0 fl oz	35.0 fl oz	5 pt	5 qt	10 qt
30	16.7 fl oz	23.3 fl oz	3.3 pt	3.3 qt	6.6 qt
40	12.5 fl oz	17.5 fl oz	2.5 pt	2.5 qt	5 qt
50	10.0 fl oz	14.0 fl oz	2 pt	2 qt	4 qt
60	8.3 fl oz	11.7 fl oz	1.6 pt	1.6 qt	3.2 qt
70	7.1 fl oz	10.0 fl oz	1.4 pt	1.4 qt	2.8 qt
80	6.3 fl oz	8.8 fl oz	1.25 pt	1.25 qt	2.5 qt
90	5.6 fl oz	7.8 fl oz	1.1 pt	1.1 qt	2.2 qt
100	5.0 fl oz	7.0 fl oz	1 pt	1 qt	2 qt

2 BACKPACK OR OTHER SMALL VOLUME SPRAYERS

Dry Herbicide Formulations

Dry formulations can be either measured (in teaspoons) or weighed (ounces) and added to the tank. Both options are shown below.

TABLE 2A. Teaspoons (tsp) of dry herbicide you need to add to 2 gallons of water based on the recommended rate for the weeds your are spraying.

GPA (from step 5)	Recommended Application Rate per Acre (A)			
	1 oz/A	2 oz/A	2.5 oz/A	3.3 oz/A
20	1.00 tsp/2 gal	2.00 tsp/2 gal	2.50 tsp/2 gal	3.30 tsp/2 gal
30	0.7 tsp/2 gal	1.33 tsp/2 gal	1.67 tsp/2 gal	2.20 tsp/2 gal
40	0.50 tsp/2 gal	1.00 tsp/2 gal	1.25 tsp/2 gal	1.65 tsp/2 gal
50	0.40 tsp/2 gal	0.80 tsp/2 gal	1.00 tsp/2 gal	1.32 tsp/2 gal
60	0.30 tsp/2 gal	0.67 tsp/2 gal	0.83 tsp/2 gal	1.10 tsp/2 gal

TABLE 2B. Ounces (oz) of dry herbicide you need to add to 2 gallons of water based on the recommended rate for the weeds your are spraying.

GPA (from step 5)	Recommended Application Rate per Acre (A)			
	1 oz/A	2 oz/A	2.5 oz/A	3.3 oz/A
20	0.1 oz/2 gal	0.20 oz/2 gal	0.25 oz/2 gal	0.33 oz/2 gal
30	0.07 oz/2 gal	0.13 oz/2 gal	0.17 oz/2 gal	0.22 oz/2 gal
40	0.05 oz/2 gal	0.10 oz/2 gal	0.13 oz/2 gal	0.17 oz/2 gal
50	0.04 oz/2 gal	0.08 oz/2 gal	0.10 oz/2 gal	0.13 oz/2 gal
60	0.035 oz/2 gal	0.07 oz/2 gal	0.08 oz/2 gal	0.11 oz/2 gal