

Quick Reference Guide for Herbicide Mixing

Always adhere to and comply with the label instructions for any herbicide in use.

How to Utilize This Reference Guide:



Mixing the Herbicide:

Prioritize Safety: Ensure the use of appropriate safety gear (eye protection, chemical resistant gloves, and long sleeves) during herbicide handling, mixing, or application. For precise safety gear requirements, refer to the label information.

Mixing Procedure:

- Begin by adding one-third ($\frac{1}{3}$) to one-half ($\frac{1}{2}$) of the required water for the mix.
- Incorporate the amount of herbicide specified in the chart below.

- Start/continue agitation if called for on label.
- Conclude the mixing process by adding the remaining water to achieve the desired mix amount.
- Additives: Consult the label for information on the necessity and recommended rates and order of additives, such as surfactants and penetrants.

The following table outlines the amount of herbicide required to achieve various solution strengths for standard sprayer sizes. Each row signifies a different total mix amount (in gallons), and each column corresponds to different solution strengths (expressed in percentage % solution).

Mix Strength:	1%	2%	3%	5%	10%	15%	20%
Mix Amount	Ounces of Herbicide Concentrate						
1 gallon	1.25	2.5	4	6.5	13	19	26
2 gallons	2.5	5	8	13	26	38	51
3 gallons	4	8	12	19	38	58	77
4 gallons	5	10	15	26	50	77	102
5 gallons	6.5	13	19	32	64	96	128
10 gallons	13	25	38	64	128	192	256
15 gallons	19	38	58	96	192	288	384
30 gallons	38	77	115	192	384	576	768
100 gallons	128	256	384	640	1280	1920	2560
Bulk:	(Oz, Gal)	(Oz, Gal)	(Oz, Gal)	(Qt, Gal)	(Gal)	(Gal)	(Gal)
10 gallons	13 oz	25 oz	38 oz	2 QT	1 GAL	1.5 GAL	2 GAL
15 gallons	19 oz	38 oz	58 oz	3 QT	1.5 GAL	1.75 GAL	3 GAL
30 gallons	38 oz	77 oz	115	1.5 GAL	3 GAL	4.5 GAL	3.6 GAL
100 gallons	1 GAL	2 GAL	3 GAL	5 GAL	10 GAL	15 GAL	20 GAL

Conversion Reference:

1 gallon = 128 ounces

1 gallon = 4 quarts
= 8 pints
= 16 cups

1 quart = 32 ounces

1 quart = 2 pints
= 4 cups

1 pint = 16 ounces

1 pint = 2 cups