

Reference Guide for Herbicide Mixing

Always adhere to and maintain strict compliance with the label instructions for any herbicide.

Mixing Procedure:

- Begin by adding one-third (1/3) to one-half (1/2) of the required water to a clean, empty tank, for the mix.
- Incorporate the correct amount of herbicide specified in the chart below to achieve desired ratio.
- 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.

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 herbicide label section on PPE.



The table below specifies the herbicide quantities needed to achieve various solution strengths for standard sprayer capacities. Each row represents a different total mix volume (in gallons), while each column indicates the desired solution strength (expressed as a percentage).

% Strength:	1%	2%	3%	5%	10%	15%	20%	25%	30%	50%
Mix Amount	Amount of Herbicide Concentrate (in Ounces)									
1 Gallon	1.28	2.56	3.84	6.4	12.8	19.2	25.6	32.0	38.4	64.0
2 Gallons	2.56	5.12	7.68	12.8	25.6	38.4	51.2	64.0	76.8	128
3 Gallons	3.84	7.68	11.5	19.2	38.4	57.6	76.8	96	115	192
4 Gallons	5.12	10.2	15.4	25.6	51.2	76.8	102	128	154	256
5 Gallons	6.40	12.8	19.2	32.0	64.0	96.0	128	160	192	320

Bulk Mix	Amount of Herbicide (in Ounces)				Amount of Herbicide Concentrate (in Gallons)					
10 Gallons	12.8	25.6	38.4	64.0	1.00	1.50	2.00	2.50	3.0	5.0
15 Gallons	19.2	38.4	57.6	96.0	1.50	2.25	3.00	3.75	4.5	7.5
30 Gallons	38.4	76.8	115	1.5	3.00	4.50	6.00	7.50	9.0	15.0
100 Gallons	1.0	2.0	3.0	5.0	10.0	15.0	20.0	25.0	30.0	50.0
150 Gallons	1.5	3.0	4.5	7.5	15.0	22.5	30.0	37.5	45.0	75.0
200 Gallons	2.0	4.0	6.0	10.0	20.0	30.0	40.0	50.0	60.0	100
250 Gallons	2.5	5.0	7.5	12.5	25.0	37.5	50.0	62.5	75.0	125

Conversion Reference:	Gallons:	Fraction	Decimal	=	Quarts	Pints	Cups	Ounces
	One Gallon	1/1	1.0	Equivalent Measurements:	4	8	16	128
	One Half	1/2	0.5		2	4	8	64
	One Fourth	1/4	0.25		1	2	4	32
	One Eighth	1/8	0.125		0.5	1	2	16
	One Sixteenth	1/16	0.0625		0.25	0.5	1	8