

# 1/128<sup>th</sup> Method for Easy Calibration of Backpack and Handheld Sprayers

1 Gallon = 128 Ounces

## HOW MUCH PRODUCT SHOULD I PUT IN MY SPRAY TANK?

The mix amount is dependent on your spray volume and your application rate. The following step-by-step procedure will allow you to calibrate your spray volume in 6 simple steps:

1. Triple Rinse your sprayer and fill with clean water.
2. Measure off an area 18.5 feet by 18.5 feet, which is equal to 1/128th of an acre.
3. Apply water to the marked area at your normal working pace, ensuring a uniform spray pattern. Time this in seconds.
4. Spray into a bucket for the same number of seconds it took to spray the marked area.
5. Measure the amount of water you have collected in ounces.
6. The number of ounces you have collected is equal to your gallons per acre. You are now ready to mix!

**Maintain consistent pressure and do not adjust nozzle(s) or handgun during steps 3 and 4.**

**If you are looking for gallons per 1000 square feet, simply divide your GPA by 43.56!**

For those products calling for % solution, please see the quick reference guide below:

		TANK SIZE									
		1 gal	2 gal	3 gal	4 gal	5 gal	15 gal	25 gal	30 gal	50 gal	100 gal
PERCENT SOLUTION	0.25%	0.32	0.64	0.96	1.28	1.6	4.8	8	9.6	16	32
	1%	1.28	2.56	3.84	5.12	6.4	19.2	32	38.4	64	128
	2%	2.56	5.12	7.68	10.24	12.8	38.4	64	76.8	128	256
	3%	3.84	7.68	11.52	15.36	19.2	57.6	96	115.2	192	384
	4%	5.12	10.24	15.36	20.48	25.6	76.8	128	153.6	256	512
	5%	6.4	12.8	19.2	25.6	32	96	160	192	320	640
	10%	12.8	25.6	38.4	51.2	64	192	320	384	640	1280
	25%	32	64	96	128	160	480	800	960	1600	3200
	33%	42.24	84.48	126.7	169	211.2	633.6	1056	1267	2112	4224
	50%	64	128	192	256	320	960	1600	1920	3200	6400

PRODUCT TO BE MIXED IN LIQUID OUNCES



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