

### TO CALIBRATE A HANDGUN:

1. Measure an area 18.5 feet by 18.5 feet in the target application area.
2. Spray the measured area uniformly with **water only** and record the number of seconds required to cover the area.
3. Measure the amount of water delivered to the test area by spraying into a container for the same amount of time.
4. The amount of water collected in fluid ounces equals spray volume in gallons per acre.

### TO CALIBRATE A BROAD-JET SPRAYER:

Please visit our website at:

[www.scweeds.com/tools-and-resources](http://www.scweeds.com/tools-and-resources)

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### MOSQUITO LARVICIDING INFORMATION

BTI Briquets – 1 briquet treats a 10' x 10' area (100 square feet). The briquet will last 21 to 30 days then retreat.

Aquabac 200 – 40# bag will do 8 acres – use 5# per acre - .02# will treat 10' x 10' (100 square feet). Treatment will last up to 21 days.

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The above recommendations of herbicide per acre are for **non-crop land** situations, such as pastures, rangelands, and fence ways.

You should always **READ THE LABEL** on any herbicide before applying, handling, storing or using. This precaution could save time and serious problems.

Proper mixing of herbicide requires you to fill the spray tank with half the amount of water you'll need, add the herbicide, and then finish filling the tank.

Should you have any questions concerning this information, please feel free to contact our office or visit our website.

*Walker Billings*  
Supervisor  
Sheridan County Weed & Pest Control District

### **SHERIDAN COUNTY WEED & PEST CONTROL DISTRICT**

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### MIXING INSTRUCTIONS

The following information is to assist you in mixing herbicides correctly for weed control on your property, (**non-crop land situations**). All rates are suggested rates and may vary depending on your sprayer calibration. **Please calibrate your sprayers and read product labels.** Improper calibration of sprayers may result in a negative impact.

### BACKPACKS

Chemical	Amount of chemical <b>per gallon of water</b>
2,4-D	1 ounce <b>or</b> 2 Tbsp
Banvel (Dicamba)	1 ounce <b>or</b> 2 Tbsp
Duracor	1.5 tsp
Escort	1 gram
Milestone	0.5 tsp
Redeem (Prescott/Quali-2)	1 ounce <b>or</b> 2 Tbsp
Roundup	2.5 ounces <b>or</b> 5 Tbsp
Latigo	2.5 tsp
Tordon 22K	1 ounce <b>or</b> 2 Tbsp
Vessel	1.5 ounces <b>or</b> 3 Tbsp
Weedmaster	1 ounce <b>or</b> 2 Tbsp
Wetting Agent	0.5 tsp until July, then increase to 1 tsp

**\*Do not use Wetting Agent on lawn!**

**ALL RENTAL EQUIPMENT DELIVERS 20 GALLONS PER ACRE  
AT 40 PSI WHILE DRIVING 3 MPH**

**RENTALS**

**SMALL SPRAYER – 65 Gallon Tank**

**SLIDE-IN SPRAYER – 165 Gallon Tank**

**LARGE TRAILER SPRAYER – 225 Gallon Tank**

**BROAD-JETS:**

Chemical	Amount of chemical <b>per 20 gallons of water</b>
2,4-D	1 quart <b>or</b> 2 pints <b>or</b> 4 cups
Banvel	1 quart <b>or</b> 2 pints <b>or</b> 4 cups
Duracor	1 pint <b>or</b> 16 ounces <b>or</b> 2 cups
Escort	1 ounce <b>or</b> 2 Tbsp
Milestone	7 ounces <b>or</b> 14 Tbsp
Prescott/Quali-2D	1.5 quarts <b>or</b> 3 pints <b>or</b> 6 cups
Roundup	3 quarts <b>or</b> 6 pints <b>or</b> 12 cups
Latigo	1 pint <b>or</b> 2 cups
Tordon	1 quart <b>or</b> 2 pints <b>or</b> 4 cups
Weedmaster	2 quarts <b>or</b> 4 pints <b>or</b> 8 cups
Wetting Agent	<b>(per 100 gallons)</b> 1 pint until July, then 1 quart

**HANDGUN:**

100 GALLONS OF WATER WILL SPRAY 1 ACRE

Chemical	Amount of chemical <b>per 50 gallons of water</b>
2,4-D	1 pint <b>or</b> 2 cups
Banvel (Dicamba)	1 pint <b>or</b> 2 cups
Duracor	1 pint <b>or</b> 16 ounces <b>or</b> 2 cups
Escort	0.5 ounces <b>or</b> 1 Tbsp
Milestone	3.5 ounces <b>or</b> 7 Tbsp
Prescott/Quali-2D	1.5 pints <b>or</b> 3 cups
Roundup	1.5 quarts <b>or</b> 3 pints <b>or</b> 6 cups
Latigo	0.5 pints <b>or</b> 1 cup
Tordon	1 pint <b>or</b> 2 cups
Weedmaster	1 quart <b>or</b> 2 pints <b>or</b> 4 cups
Wetting Agent	<b>(per 50 gallons)</b> 0.5 pint until July, then 1 pint

**SMALL MEASURE EQUIVALENTS**

Cup	=	OZ	=	TBSP	=	TSP	=	mL
1		8		16		48		237
$\frac{3}{4}$		6		12		36		177
$\frac{2}{3}$		5		11		32		158
$\frac{1}{2}$		4		8		24		118
$\frac{1}{3}$		3		5		16		79
$\frac{1}{4}$		2		4		12		59
$\frac{1}{8}$		1		2		6		30
1/16		0.5		1		3		15

**LARGE MEASURE EQUIVALENTS**

Gallons	=	Quarts	=	Pints	=	Ounces
$\frac{1}{8}$		$\frac{1}{2}$		1		16
$\frac{1}{4}$		1		2		32
1		4		8		128

**ECOBAN GRASSHOPPER BAIT INFORMATION**

Crop and Rangeland:

- 2 to 10 pounds per acre

Home and Garden:

- 0.5 to 2.5 pounds per 10,000 square feet

For suppression:

- 0.5 to 1.5 pounds per acre