



Ferry County Noxious Weed Control Board

For Additional Help Call 509-775-5225 Ext. 1111 or 1116

WHEELER SKIDMOUNT

Broad Jet Place tank on the back of 4-wheeler then secure it with straps or clamps.

- ✦ Fill tank with CLEAN water NO chemical.
- ✦ Connect wiring: in the back of the 4-wheeler under the seat there should be a plug in. Twist the ends of the wires and put into plug in (red positive-to-positive) (black negative-to-negative) or connect to battery booster pack.
- ✦ Start and check for leaks.
- ✦ For handline calibration follow handline directions.

CALIBRATION FOR BROAD JET:

1. Measure the width of the spray on the ground.
2. Measure and mark a strip of 100-200' in length.
3. To figure square feet of area take the width that the sprayer sprayed and multiply it by the length that you marked off, take that number and divide it into 43,560 (sq ft per 1 acre) and this will give you a factor for what part of an acre your area is. (Example: Width 8 X 100' = 800sq ft 43560 / 800 = 54 multiplier factor to get a full acre).
4. Drive 4-wheeler in gear and at the speed you will spray for the distance you marked off and record the time it takes in seconds to drive the length you marked off.
5. Get a plastic garbage bag and start the sprayer, collect the water from the nozzle for the same amount of seconds it took you to drive the length you marked off.
6. Measure the water amount collected in ounces.
7. Take the amount of ounces you collected and multiply it by the factor from #3 (54 in Example) to get 1 full acre. (80 oz x 54 = 4320 oz)
8. Convert to gallons 128 ounces to a gallon (4320 oz / 128 oz = 33.75 gallons)

EXAMPLE:

1. Width sprays on ground 8' wide.
2. Measure and mark 100' lengthwise.
3. Figure area: width x length 8 x 100 = 800
43,560 divided by 800 = 54.45
4. Record seconds to drive marked off distance = 24 seconds.
5. Collect water in plastic bag for 24 seconds.
6. Measured water amount in bucket in ounces = 80 ounces.
7. 80 ounces multiplied by 54 (1/54 of an acre) = 4,320 ounces.
8. 4,320 ounces divided by 128 ounces (128 ounces in a gallon) = 33.75 gallons of water is being applied per acre.

✦ If you want 2 quarts of herbicide per acre.

✦ You want to put 2 quarts (64 ounces) herbicide per 33.7 gallons of water

<i>For your information</i>	
3 teaspoons	= 1 tablespoon
2 tablespoons	= 1 ounce
8 ounces	= 1 cup
16 ounces	= 1 pint
32 ounces	= 1 quart
64 ounces	= 2 quarts
128 ounces	= 1 gallon

If the sprayer holds only 20 gallons then you would calculate amount of chemical to put in.

$$\frac{64 \text{ oz}}{33.7 \text{ gals}} = \frac{x}{20 \text{ gals}} \quad \frac{64 \text{ oz} \times 20 \text{ gal}}{33.7 \text{ gals}} \quad \text{or} \quad \frac{1,280 \text{ oz}}{33.7 \text{ gals}} = x \quad 37.98 \text{ oz} = x \quad (\text{You would add } 38 \text{ oz of herbicide for the } 20 \text{ gal of solution})$$

SEE REVERSE FOR ADDITIONAL INFORMATION ON FIGURING AMOUNT OF CHEMICAL

350 E. Delaware Ave. #14, Republic, WA 99166, Phone (509) 775-5225 Ext 1111 Fax (509) 775-5218

The goal of the weed board program is to aid in the containment, slow the spread and when possible, the eradication of noxious weed infestations and the identification and prevention of new infestations of other problem weeds under r.c.w. 17. 10.

Note: Chart A represents a 100 GAL Total mix while Chart B is for 1 GAL Total mix.

**Handline
CHART A**
Volume of Chemical to Mix per
100 gallons of Water

Your Calibrated Gallons per Acre	Rate of Chemical	Quarts per Acre				
		½	1	2	3	4
20		2 ½ qt	5 qt	10 qt	15 qt	20 qt
30		1 2/3 qt	3 ½ qt	6 2/3 qt	10 qt	13 1/3 qt
40		1 ¼ qt	2 ½ qt	5 qt	7 ½ qt	10 qt
50		1 qt	2 qt	4 qt	6 qt	8 qt
60		27 fl oz	1 2/3 qt	3 1/3 qt	5 qt	6 2/3 qt
70		23 fl oz	1 ½ qt	3 qt	4 ¼ qt	5 ¾ qt
80		20 fl oz	1 ¼ qt	2 ½ qt	3 ¾ qt	5 pt
90		18 fl oz	3/8 qt	2 ¼ qt	3 1/3 qt	4 ½ qt
100		1 pt	2 pt	2 qt	3 qt	4 qt
120		13 fl oz	27 fl oz	1 2/3 qt	2 ½ qt	3 1/3 qt
140		11 ½ fl oz	23 fl oz	3 pt	4 ¼ qt	5 ¾ qt
160		10 fl oz	20 fl oz	2 ½ pt	3 ¾ qt	5 pt
180		9 fl oz	18 fl oz	36 fl oz	3 1/3 qt	4 ½ pt
200		8 fl oz	1 pt	2 pt	3 pt	4 pt

CLEANING: If some spray is left in the tank, drain tank completely in an area where no undesirable plant damage will occur. After spraying clean the tank thoroughly (rinsing 3 or more times with water is recommended) be sure to pump the rinse water through all sprayer mechanisms until air is coming out. The check valve can be removed to quickly flush the pump. The nozzle assembly should be removed and thoroughly flushed with clean water. When using hormone type herbicides, follow the cleaning instructions of the manufacturer.

**Backpack
CHART B**
Volume of Chemical to Mix per
1 gallon of Water

**Remember that other people
will be using the sprayer
after you have
finished with it.**

Your Calibrated Gallons per Acre	Rate of Chemical	Quarts per Acre				
		½	1	2	3	4
20		5 tsp	10 tsp	3 ¼ fl oz	4 ¾ fl oz	6 1/3 fl oz
30		3 tsp	6 tsp	2 fl oz	3 ¼ fl oz	4 ¼ fl oz
40		2 1/3 tsp	4 ¾ tsp	1 2/3 fl oz	2 1/3 fl oz	3 ¼ fl oz
50		2 tsp	3 ¼ tsp	1 ¼ fl oz	2 fl oz	2 ½ fl oz
60		1 2/3 tsp	3 ¼ tsp	6 1/3 tsp	1 2/3 fl oz	2 fl oz
70		1 1/3 tsp	2 ¾ tsp	5 ½ tsp	1 1/3 fl oz	1 ¾ fl oz
80		1 ¼ tsp	2 1/3 tsp	4 ¾ tsp	7 ¼ tsp	9 ½ tsp
90		1 tsp	2 tsp	4 ¼ tsp	6 1/3 tsp	8 ½ tsp
100		1 tsp	2 tsp	3 ¾ tsp	5 ¾ tsp	7 2/3 tsp
120		¾ tsp	1 1/3 tsp	3 ¼ tsp	4 ¾ tsp	6 1/3 tsp
140		2/3 tsp	1 1/3 tsp	2 ¾ tsp	4 tsp	5 ½ tsp
160		2/3 tsp	1 ¼ tsp	2 ½ tsp	3 2/3 tsp	4 ¾ tsp
180		½ tsp	1 tsp	2 tsp	3 ¼ tsp	4 ¼ tsp
200		½ tsp	1 tsp	2 tsp	3 tsp	3 ¾ tsp