



BONNER COUNTY PUBLIC WORKS NOXIOUS WEED CONTROL

1500 Hwy 2, Suite 101 • Sandpoint, ID 83864 • Phone: (208) 255-5681
<http://bonnercounty.us/noxious-weeds>

Calibrations 2017:

Sprayer calibration is a measured amount of a solution applied to a measured amount of area. If you fail to measure either of these factors you are **guessing or estimating!**

A Back-Pack at 50 gallons per acre solution mixed then spraying to wet the plants to see droplets but “**not run-off**” is an estimated rate of application often accomplished and assumed for this recommendation chart.

Home and garden product labels usually always refer to rates as “gallons of spray mix” for a “specific amount of square feet” to be treated.

Agricultural product labels usually give rates for “acres to be treated.”

Herbicide Mixtures: For agricultural products, not home and garden.

Dry Products

Telar/Escort 1 oz = 28 g = 10 teaspoons

Opensight 3 oz. = 84g = 9 Tablespoons

- a) Telar/Chlorsulfuron75 @ 1oz. per acre = 2 grams in 3 gallons of water (3/4 teaspoon).
- b) Escort/MSM 60 @ 1 oz. per acre = 1/10 oz. in 5 gallons of water, (1 Teaspoon).
- c) Milestone @ 6oz. per acre rate = 1/4 oz. in 2 gallons of water.
- d) Opensight @ 3oz. per acre rate = 3.5 grams in 2 gallons of water. (1 teaspoon)
- e) Curtail/Cody @ 2 quarts per acre = 4 oz. in 3 gallons of water.
- f) Polaris/Ecoimazapyr @ 2 quarts per acre = 4 oz. in 3 gallons of water.
- g) Crossbow @ 4 quarts per acre = 2 oz. in 1 gallon of water.
- h) Stinger @ 1 pint per acre = 1 oz. in 3 gallons of water.
- i) 2, 4-D @ 1 quart per acre rate = 2 oz. in 3 gallons of water.
- j) Surfactant or sticker (Induce/R11), use 1 oz. per 5 gallons water.

Field sprayer calibrations can be very different for hundreds of reasons. There are many combinations of equipment options available for many different purposes. It is impossible for anyone to tell you, “**How much to put in the tank?**”, if they don’t know the machine personally.

If you already know how much the machine puts on per acre and the size of tank you have, then you only need rate advice.

Field Calibrating = a measured area sprayed with a measured amount of water in a specific amount of time or at a constant speed. Common rates per acre can be from 5gpa to 100gpa. Bonner County trailer sprayers are set for 40gpa mixes at 3 MPH.

$\text{Gallons Per Acre} = \frac{\text{Gallons Per Minute} \times 495}{\text{MPH} \times \text{Swath Width (in feet)}}$
