



### **Small Sprayer or Hand Gun Calibration**

1. Mark off an area 18.5 feet by 18.5 feet in driveway or equipment parking area\*.
2. Using only water, adjust the pressure and spray pattern like you will use in the field.
3. Spray the marked off area and have someone time you as you spray the area.
4. Spray into a bucket for the same number of seconds that it took you to spray the marked area.
5. Measure the volume of water in the bucket in ounces.
6. The number of ounces will equal the gallons per acre your sprayer is delivering.

*\* 18.5 ft. by 18.5 ft. is equal to (1) 128th of an acre. There are 128 fluid ounces in one gallon; therefore, every ounce applied to (1) 128th of an acre is equivalent to 1 gallon per acre.*

### **To determine the amount of chemical to put in your sprayer use the following formulas:**

(gallons of solution) X (rate of chemical) = amount of chemical needed

Example: 10 gallon tank, sprayer calibrated at 50 gallons per acre (gpa), apply herbicide at 2 quarts per acre.

(10 gal / 50 gpa) X (2 quarts of herbicide needed)

(32 fl. oz. per quart) X (0.4 quarts) = 12.8 fluid ounces needed

**BE A GOOD NEIGHBOR – DON'T SPRAY DURING WINDY CONDITIONS THAT FAVOR VOLATILITY. READ THE ENTIRE LABEL BEFORE PURCHASING AND APPLYING ANY HERBICIDE. AFTER SPRAYING WEEDS CLEAN YOUR EQUIPMENT BEFORE LEAVING THE SITE TO PREVENT SPREADING WEED SEEDS TO OTHER AREAS.**