## How much Herbicide to add to the tank

1. Read the Label and determine the amount per acre. Remember to change volume to fluid ounces if given in another measurement. 16 oz. $=1$ pint
2. Divide tank capacity by the GPA. This tells you how many acres you can spray with one tankful from your sprayer. Record this number.
3. Multiply the amount of herbicide you want to apply in step \#1 by the acres that can be sprayed in step \#2. This is how much herbicide you will add to your tank.

## Example

- You have marked off an area $18.5^{\prime} \times 18.5^{\prime}$. You spray the area and it takes 45 seconds.
- You spray into a bucket for 45 seconds and collect 64 ounces. Your sprayer is calibrated to spray 64 gallons per acre (GPA).
- You have a 4 gallon backpack sprayer. Four (4) divided by 64 equals .0625. This means that your sprayer will spray .0625 acres with one tankful. If you want to find out square feet multiply . 0625 x 43560(sq.ft in one acre)=2723 sq.ft. or 52'x52'.
- You want to use an herbicide where the label calls for 1 pint per acre. One pint equals 16 oz. So multiply 16 by . 0625. This equals 1 ounce that would be added to the 4 gallon tank.
- Suppose you have a 100 gallon tank. The procedure is the same as above but you would divide 100 by your GPA. From our example from above, 100 is divided by 64 which equals 1.5625 (we'll round to 1.6) acres that can be sprayed with a 100 gallon tank. Using the same rate above, 16 ounces $\times 1.5=41$ ounces or 1.25 quarts. Remember that 1 quart $=32$ ounces.

