

Back pack / Knapsack - 1/128 method

- Step 1: Establish a plot that is 18.5' × 18.5'
- Step 2: Spray plot uniformly with water at a constant rate and pressure and have someone time how long it takes, record the time it took to spray the plot.
Time required = _____ seconds.
- Step 3: Spray into a bucket for the above seconds.
- Step 4: Measure the number of ounces of water in the bucket.
Volume sprayed = _____ ounces.
- Step 5: The number of ounces collected from the bucket is equal to the gallons per acre sprayer will deliver.
Gallons Per Acre = _____ GPA.

Adding the correct amount of pesticide to the sprayer.

- Step 6: GPA from Step 5 = _____ GPA.
- Step 7: Determine volume of spray tank.
Tank volume = _____ gallons.
- Step 8: From the label determine the amount of pesticide to apply per acre.
_____ oz. Pesticide per acre rate.
- Step 9: Calculate the amount of pesticide to add to the spray tank.
_____ oz. per acre rate × (_____ gal. in tank ÷ _____ GPA)
= _____ Total amount of pesticide to add to the tank.