

Backpack Sprayer Calibration and Use

1. Measure and mark out an area $18.5' \times 18.5' = 340\text{ft}^2$
2. Spray the area using just water and at your normal pressure and the normal pace and record the time it takes to cover the area. _____ sec
3. Spray water into a bucket for the same amount of time and record the amount captured. _____ oz
4. The number of ounces(oz) collected equals the number of gallons per acre(GPA) your sprayer is delivering so your application rate= _____ oz = _____ GPA
5. Record how many acres your backpack sprayer can cover with the capacity, _____ Tank Capacity / _____ GPA delivery _____ acres

Backpack Sprayer Collected information

33 seconds to cover the calibration area

24 ounces collected in 33 sec

4 gallon tank capacity

Label Mix recommendations are as follows

2,4-d per label = 40oz/acre

Vision per label = 12oz/acre

Agridex per label = 34oz/acre

$$\frac{\text{Ounces of Pesticide (per label)}}{\text{Gallons per acre(GPA)of delivery tank}} \times \text{Gallon Capacity of Tank}$$

How much of each chemical is to be added?

2,4-d = _____ oz/tank

Vision = _____ oz/tank

Agridex = _____ oz/tank