

Math

1. You have a cucumber field that has 8 rows 200 feet long. The pesticide label calls for you to add 1 pint per 100 gallons. Your sprayer holds 50 gallons of mix and sprays 8 gallons per row.

a. How many gallons of pesticide mix do you need for the job? Explain

The field is made up of 8 rows and the sprayer is calibrated to spray 8 gallons per row.

b. How much pesticide do you need for the job? Explain.

The label calls for you to add 1 pint per 100 gallons and you need 64 gallons to spray all the rows.

2. Your backpack sprayer holds 3 gallons of pesticide formulation (mix). You have 12 rows to spray and your sprayer is calibrated to apply 1.3 gallons per row. The label calls for you to add 1 tbl per gallon.

a. How many gallons of formulation do you need?

b. How much pesticide do you need?