



fintrac

## CONVERT PESTICIDE DOSES FROM ACRES TO LINEAR FEET

### What you need to know before you get started:

- **Linear feet of the beds you want to spray.**
- **Your bed spacing from center to center.**

**Step #1.** An acre is 43,560 square feet. **Divide 43,560 square feet by your bed spacing.** This determines linear feet in an acre with your bed spacing.

**Step #2.** Take the number of linear feet of the beds you want to spray and divide by the number calculated in Step #1.

**Step #3.** Divide the number determined in Step #2 by the pesticide dose given on the product for an acre. This gives you the amount of pesticide you should use for the amount of linear feet you want to spray.

### Example

Recommended pesticide dose is  $1\frac{1}{3}$  pints per acre.

- The farmer has 60 linear feet of beds.
- Distance between beds is 5 feet, center to center

Length of beds in an acre: 43,560 square feet divided by 5 feet = 8,712 linear feet  
To spray 60 feet, you need  $60/8,712$  of the amount given for an acre, which is  $1\frac{1}{3}$  pints.

$$60 \div 8,712 = 0.007$$

$$1.33 (1\frac{1}{3} \text{ pints}) \times 0.007 = 0.0093 \text{ pints of pesticide for the 60 feet}$$

### Change the units to fluid ounces or milliliters.

There are 16 fluid ounces in a pint. Therefore, the 60 feet used in the example would need 0.15 fluid ounces, because  $0.0093 \times 16 = 0.15$ .

There are 29.6 milliliters (ml) in a fluid ounce. Therefore, the 60 feet would need 4.4 ml, because  $0.15 \times 29.6 = 4.4$ .

**For the example with 60 linear feet of beds, you would need 4.4 ml, which is slightly less than one teaspoon.**

If it takes 2 gallons to spray the 60 feet of beds, you will need 2.2 ml of pesticide per gallon of water, or about half a teaspoon per gallon.

