

Fertilizer Calculation Worksheet Background

Please show your work and circle your answer.

1. If a 50-lb bag of urea (45-0-0) costs \$8.00, what is the cost per lb of N?

2. You want to plant **15 acres** of alfalfa for your cattle project. You first have to take a soil and determine the amount of phosphorous in your soil before you can plant. You check with your local PCA (pest control advisor) the following is the PCA's recommendation:

(show your work)

Phosphorous needed, 50 # of phosphorus per acre

It is recommended that you will use super phosphorous (16-16-16 \$300 / ton)

a. How much fertilizer will you need to apply?

b. How much fertilizer (of 16-16-16) will you need to purchase?

c. How much will it cost?

3. You want to plant **10 acres** of oats for your sheep project. You first have to take a soil and determine the amount of nitrogen in your soil before you can plant. You check with your local PCA (pest control advisor) the following is the PCA's recommendation:

(show your work)

Oats need 110 # of Nitrogen per acre

It is recommended that you will use Ammonia Nitrate (21-0-0 \$275 / ton)

a. How much fertilizer will you need to apply?

b. How much fertilizer (of 21-0-0) will you need to purchase?

c. How much will it cost?

