

Name: _____ School: _____



Kentucky FFA Agronomy CDE

Rotation E: Fertilizer Problem

The following soil test and fertilizer cost sheet was provided by Southern States

Fertilizer & Cost on hand at Southern States

18-46-0 = \$435/ton
0-0-60 = \$325/ton
46-0-0 = \$345/ton
Pellet Lime = \$180/ton



1) Show all work for questions two through seven – chart is optional and only for your benefit. When calculating, utilize two decimals beyond the whole number. (20 points)

Fertilizer Ratios	Element lbs./ton	\$/ton	\$/lb	Lbs. of fertilizer/acre	Cost/acre

- 2) How much total nitrogen was spread on the field? _____ (5 points)
- 3) If you could only afford half the cost of the required lime needed, how much would it cost for the entire field? _____ (5 points)
- 4) What does DAP stand for? _____ (5 points)
- 5) How many tons of Ammonia Nitrate was used on this field? _____ (5 points)
- 6) How many total pounds per acre would be spread on the field (excluding lime and micronutrients)? _____ (5 points)
- 7) What is the total fertilizer cost for the field (excluding lime and micronutrients)? _____ (5 points)