

AGR1401 and 1403 Lab Field Tour

Name _____

Location 1 Edge of Field Study Stateler Farms

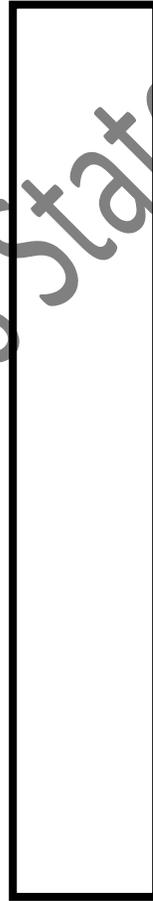
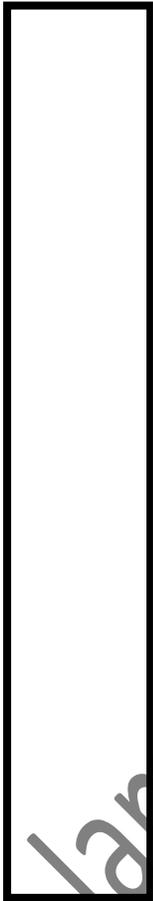
How has the Stateler family worked to be successful farmers and stewards of the land?

What are the long range goals of the Stateler family and the edge of field study?

How would you consider their farming practices to be "Ethical"?

Site 2 Soil pits on Road 2

Complete a soil profile for the field area and the wooded area indicating the O (if present, depth of the A, B, and C horizons. Describe the color, porespace, texture, any applicable parameters we discussed in class.



What differences between the two soil areas did you notice when it was reacted with the 5% Hydrogen peroxide? What does that indicate?

For the Fertilizer Pan Test

Check the applicator for any obvious defects

Determine the density of the product being spread – in this case the pell lime is 68#

Adjust spreader for the proper spinner position for the product being spread – This spreader is not adjustable and needs to be worked on.

Stretch the rope out with the stakes and set pans at the indicated places on the rope

Set the trays at the positions

Spread product – collect trays into the test tubes – measure product – graph below

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
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This is a 40' spreader, is it accurate?

Why is it important to perform a spread test?

Is it ethical to use this spreader since it is mechanically compromised?

What are some of the ethics behind Nutrient Management?

Field vs Ditch bank soil

What does the soil sample look like for each type of soil?

How does the Hydrogen Peroxide react with the samples?

What is the benefit of the grass near the ditch?