

BUDGET--For Event Use Only

State Number: _____ State Name: _____

Fertility Costs: Round All Numbers to Two Decimal Places at Each Step

Question 1. What is the recommended amount of N, P2O5, and K2O needed preplant broadcast for each field?

Hodges Field	
N	_____ lb/acre
P2O5	_____ lb/acre
K2O	_____ lb/acre

Peterson Field	
N	_____ lb/acre
P2O5	_____ lb/acre
K2O	_____ lb/acre

Question 2. What fertilizer would you choose to provide the N, P2O5, and K2O preplant broadcast and why?

Answer: _____

Question 3. Since both fields can have the same amount of fertilizer applied, what is the per acre and field cost for the preplant broadcast fertilizer application?

Hodges Field	
Per acre	_____
Appl cost	_____
# Acres	73 acres
Total cost	_____

Peterson Field	
Per acre	_____
Appl cost	_____
# Acres	56 acres
Total cost	_____

Question 4. Since the fields require both phosphorus and potassium, could these nutrients be applied the previous fall during normal tillage operations? ____ Yes or ____ No (check the answer)

Question 5. Does the GA Soil Test Laboratory recommend an application of sulfur? _____

Question 6. If sulfur is applied, what are the two application timing options?

Option 1. _____

Option 2. _____

Question 7. What two (2) special concerns are there on deep sand soils?

Answer: _____

Question 8. During what plant growth stages should sidedress N be applied?

Answer: _____

Question 9. At what rate and when should Boron be applied to the cotton crop?

B rate lb/acre/application _____ lb B/acre Type of application: _____ Number: _____

Timing of B: _____

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State Number: _____ State Name: _____

Question 10. Under what conditions should the recommended N rate be increased by 25%?**Answers:**

Condition 1. _____

Condition 2. _____

Condition 3. _____

Question 11. Under what conditions should the recommended N rate be decreased by 25%?**Answers:**

Condition 1. _____

Condition 2. _____

Condition 3. _____

Question 12. What fertilizer would you select to apply sidedress N via the irrigation system?**Answer:** _____**Question 13.** What rate of N should be applied to each field? What is the cost? How much and at what cost can Boron be added? What is the total cost for sidedress N + B?**Answers:**

	Hodges Field		Peterson Field	
	73 acres		56 acres	
Lb N/acre	_____	lb N/acre	_____	lb N/acre
Cost of N/ac	_____	\$/acre	_____	\$/acre
Amt B/acre	_____	lb B/acre	_____	lb B/acre
Cost of B/ac	_____	\$/acre	_____	\$/acre
Appl. cost	_____	\$/acre	_____	\$/acre
Total Cost per field	_____	\$/field	_____	\$/field

Question 14. Both fields will require a second foliar application of Boron by ground rig so what is the cost?**Answer:**

	Hodges Field		Peterson Field	
	73 acres		56 acres	
Amt of B/acre	_____	lb B/acre	_____	lb B/acre
Cost of B	_____	per acre	_____	per acre
Appl. Cost	_____	per acre	_____	per acre
Total Cost per field	_____		_____	

Question 15. Which field requires a special fertilizer application to prevent a nutrient deficiency?**Answer:** _____

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Question 16. What fertilizer must be used to prevent the possible deficiency?

Answer: _____

Question 17. Complete the following cost calculations for using this foliar fertilizer.

Fertilizer Selected _____
 Type of Application _____
 Number of Applications Needed _____

For the calculation below, you must round the amount of fertilizer needed per acre to the nearest whole number!

	For 1 acre		For the Field
Application rate lbs nutrient per acre	_____		_____
Amount of the chosen fertilizer needed	_____	lb/acre	_____
Cost of chosen fertilizer per application	_____	per acre	_____
Fertilizer cost of all applications	_____	per acre	_____
Cost of all foliar aerial applications	_____	per acre	_____
All Inclusive Cost for Special Nutrient	_____	per acre	_____

Question 18. What are the total costs for all fertilizer that the soil tests on the fields recommended (include at planting fertilizer, sidedress N + B, foliar boron, and any special required nutrients).

	Hodges Field	Peterson Field
All inclusive fertilizer costs	_____	_____