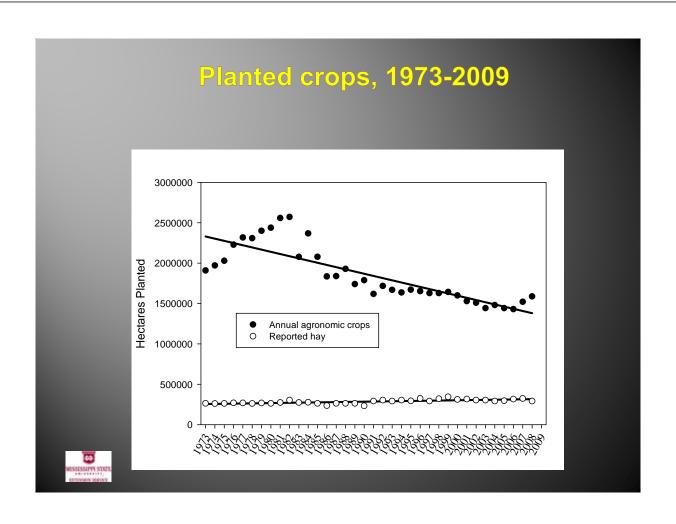
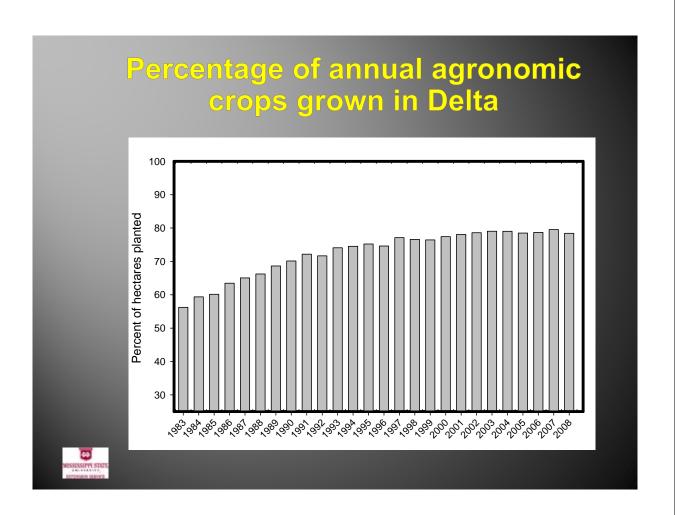
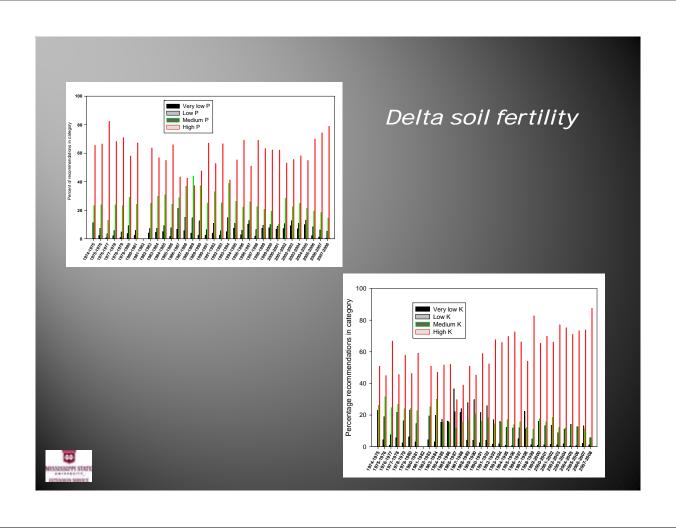
The Mississippi Nutrient Management Manual: Simplifying Availability of Maintenance-Based Fertilizer Recommendations and Nutrient Best Management Practices

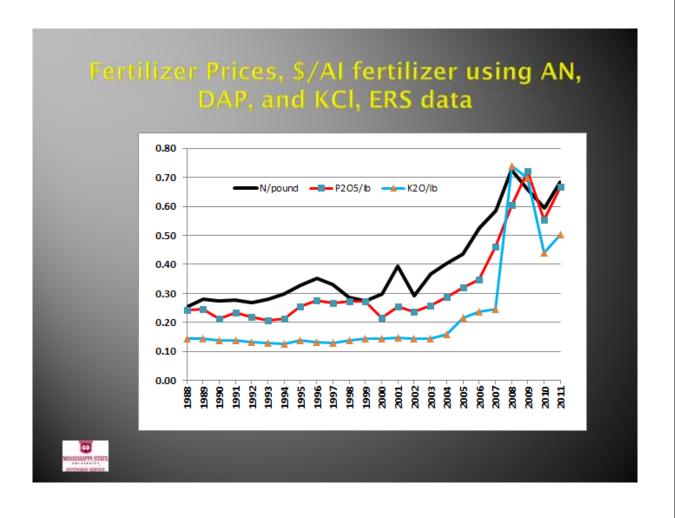


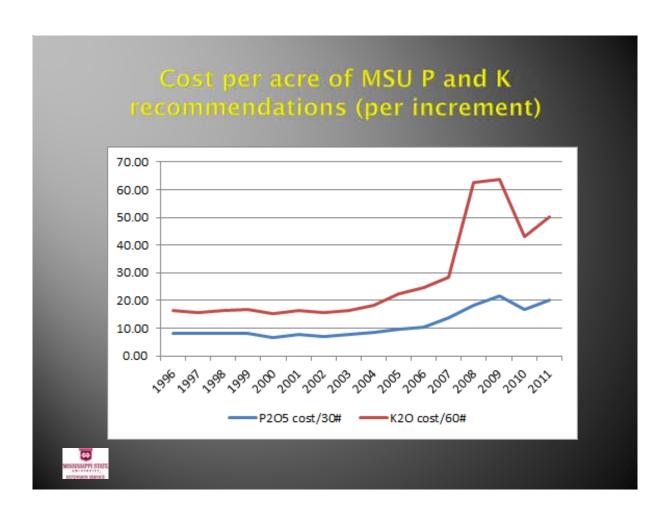
Larry Oldham, Ph.D.
Extension Professor – Soils
Department of Plant and Soil Sciences

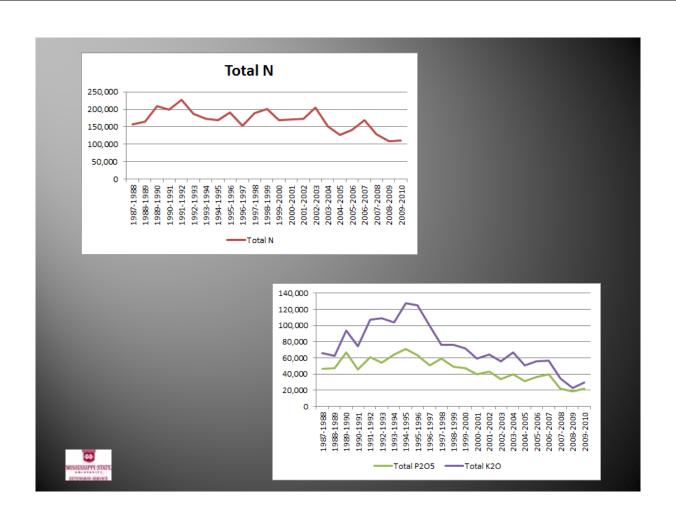


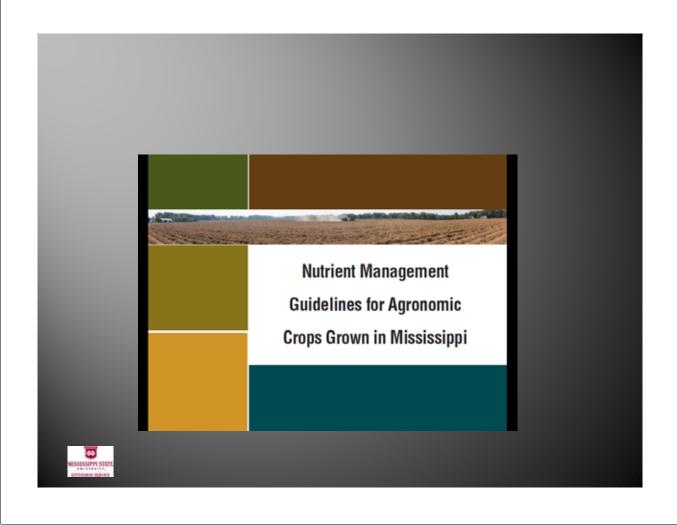












- Chapter 1: Introduction to Nutrient Management
- Chapter 2: The Soils of Mississippi
- Chapter 3: Plant Nutrients
- Chapter 4: Introduction to Soil Testing



- Chapter 5: Introduction to Inorganic Fertilizers
- Chapter 6: Lime, Liming Materials, and Regulations in Mississippi
- Chapter 7: Using Poultry Litter to Fertilize Agronomic Crops
- Chapter 8: Best Management Practices for Nutrients in Agronomic Crop Production



- Appendix A: Mississippi State University Extension Service Soil Testing Based Recommendations for Hay and Pasture Crops.
- Appendix B: Mississippi State University Extension Service Soil Testing Based Recommendations for Annual Agronomic Crops
- Appendix C: Nutrient Management Glossary, adopted from the International Certified Crop Adviser Performance Objectives



http://msucares.com/crops/fertilizer/index.html



## **Example Forage Recommendation**

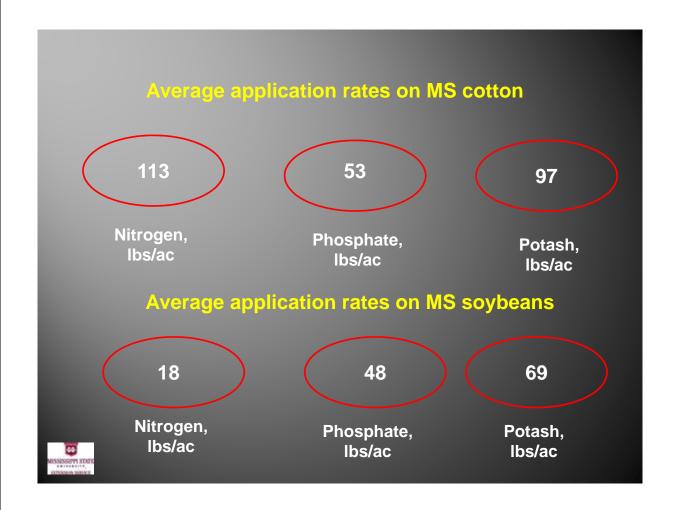
Bahiagrass, Bermudagrass, and Dallisgrass perennial summer pastures.								
Soil Test P Rating	Soil Test K Rating	Establishment Year		Maintenance (annual after establishment; retest soil after Year 3)				
<b>Use Table</b>	<b>Use Table</b>	Recommended fertilizer rate, pounds per acre						
2.	3a.	$P_2O_5$	K <sub>2</sub> O	$P_2O_5$	K <sub>2</sub> O			
Very High	Very High	0	0	0	0			
High	High	0	0	0	0			
Medium	Medium	25	25	25	25			
Low	Low	50	50	50	50			
Very Low	Very Low	100	100	50	50			
		Apply all P and K fertilizer(s), if recommended, and						
		60-80 lbs N/acre before growth starts. Repeat N						
Nitrogen and		application by mid-July if more growth is desired.						
magnesium note:		Loss of stand may occur due to K deficiency. If soil						
		test Mg is L or M, use 10-20 lbs Mg/acre of a Mg source (see Table 4).						

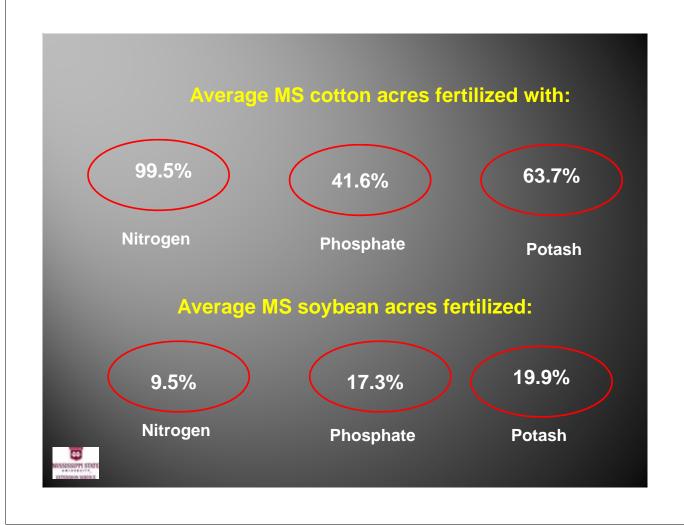


## Example Row Crop Recommendations

Saybeans										
Soll Test P Rating	Soll Test K Rating	Recommended fertilizer rate, pounds per acre								
Use Table 2.	Use Table 3b.	Year 1		Year 2			Year 3			
		$P_2O_5$	K <sub>2</sub> O	$P_{2}O_{5}$	K <sub>2</sub> O	$P_{2}O_{5}$	K <sub>2</sub> O			
Very High	Very High	0	0	0	0	0	0			
High	High	0	0	0	0	0	0			
Medium	Medium	30	60	30	60	30	60			
Low	Low	60	60	60	60	60	60			
Very Low	Very Low	120	120	120	120	120	120			
Soybeans Inorganic Nutrient Management Notes		Soybeans: Apply ½-1 ounce of sodium molybdate or equivalent annually per bushel of seed if the soil pH < 7.0.								







## MS Nutrients used in cotton/sb Nitrogen Phosphate Potash Potash

