



COTTON BREAKING THE YIELD BARRIERS ???

3[?] -- 5[?] -- 7[?] BALES per acre??????

***THE COTTON PLANT CAN* but can we manage it?**

MAJOR MANAGEMENT CRITERIA: WORKS on dry-land, flood, sprinkle or with drip irrigation the best

Plants eat & drink every day. – “Ask Your Plants” with a scheduled precision crop logging program!

- Variety - many improvements - match management to variety grown. **Use all BEST MANAGEMENT PRACTICES especially early insect control. – Great genetic potentials today.**
- Water & Nitrogen controls vegetative volume - adjust to control plant needs with a crop logging - petiole plant analysis program - requires more than just a nitrate monitoring program or a post-mortum, nodes above white flower which is a reaction to an earlier problem. **Experience required!**
- TPSL has the most advanced, effective and complete plant analysis programs - check web site.
- “Ask Your Plant”-when 5th true leaf unfurls (about the size of a quarter) - pull whole plant (12) for testing OR as soon as possible thereafter. Start Nitrogen management program; there are many tools that help balance proper nutrients. Start scheduled Petiole Program when 5th leaf reaches full size.

Early Excess Nitrogen: can be controlled set early fruit or retro-fit early boll sites by use of - Humic substances such as humic-fulvic acids, lignosulfanates, multi-hormones, carbohydrates, enzymes, photosynthates and transport compounds - Chaperone, C-1. Volar, PIX (mepiquat chloride in small doses early is much more effective than large doses later), Phosphate and a balance of all minerals and micronutrients in the sap and leaves, etc.

- **KEEP PLANTS SHORT** so sunlight can reach all leaves to enhance the fruiting process, **FOR EARLIER MATURITY & HARVEST** there must be an abundance of carbohydrates and other photosynthates to encourage lateral branch fruiting. The more lateral branch fruit the earlier the yield goal is attained. Work with nature by using proper adjuvants.

PLANT NUTRIENTS: N-P too much too early is a waste and can cause problems.

K- the most amount of any nutrient required - can be applied early or late - most is used at

Fruiting and in the maturity process - aid disease resistance, reduces water stress and improves quality and transport. Assist natural physiological processes.

Ca - is the VIP of all life but must be balanced with all Minerals and Micronutrients. All Nutrients have a specific role and requires good management to maximize profits.

MAXIMUM ECONOMIC YIELDS Is a constant learning experience. NO 2 YEARS ARE THE SAME!!

TEAM WORK IS REQUIRED. A grower with the desire and dedication - Engages a Lab with the knowledge and experience - Suppliers with the proper products - A Consultant to facilitate the taking of the soil & plant sample on a regular schedule with adequate field observation so the Lab can select the proper standards and then product effectiveness is evaluated on each farm and field. Consultants advise on interpretations of test results and choosing most effective products.