



COTTON PETIOLE PROGRAM

GENERAL

(Crop Logging - series of plant analysis on a regular schedule)

PURPOSE:

*To get the most **ECONOMICAL** crop production from your soil and fertilizer.*

- There are no magic formulas or miracle products, just scientific analysis of your exact soil, water and crop conditions for better management decisions.
- This is a **LONG TERM LEARNING PROGRAM** to improve your crop production by helping to improve your crop management skills.

OBJECTIVE:

- INDUCE COTTON TO FRUIT EARLY – maximizing genetic potential
- SET & FILL MAXIMUM NUMBER OF BOLLS IN MINIMUM TIME (more than 5 lock bolls with 9 seed/ lock - better gin turn out & grade)–utilize all fruiting branches
- TERMINATE GROWTH AND HARVEST EARLY

PROCEDURES:

EACH YEAR, study the effectiveness of your fertilizer program by testing plants on a regular schedule. MAKE ADJUSTMENTS OF THIS CROP FOR BETTER YIELDS.

SECOND & succeeding years, adjust your fertilizer program to fit your exact crop & soil requirements as determined by soil & plant analysis. Using in-depth soil sampling.

WITH EXPERIENCE, adjust plant growth & maturity with management of soil, water & foliar plant food applications & water management when possible.

MAXIMUM ECONOMICAL YIELDS will also require ALL BEST MANAGEMENT PRACTICES, tillage and all cultural practices as well as good drainage (even on dryland).

SERVICES:

1. PETIOLE (sap) TESTING - Petiole samples are first taken as plants develop good growth and are continued on a regular schedule until plants approach maturity.
2. PLANT ANALYSIS - analysis for minerals and essential micronutrients are made at critical stages.
3. SOIL TESTING should be done before each cotton crop. 20-40ac Management Blocks with topsoil & subsoil (0-12" & 12-24") samples.
4. WATER TESTING of each water source at least every third year.

SUMMARY:

SOMETIMES DRAMATIC RESULTS CAN OCCUR THE FIRST YEAR BUT SHOULD NOT BE EXPECTED. A 200 to 400 LB/AC OF LINT IS MORE REASONABLE, but an extra bale or two is possible with proper water use. As with most good farming techniques, this program is a CONTINUOUS LEARNING PROCESS to be improved by experience with the specific conditions of each field. ANNUAL PROGRAM Costs 10 to 30 pounds of lint per year.

THIS PROGRAM IS A LEARNING PROCESS ABOUT COTTON PHYSIOLOGY TO UNDERSTAND SOIL, WATER AND PLANT RELATIONSHIP AND HOW THEY ARE INFLUENCED BY PLANT FOOD, OTHER PRODUCTS AND MANAGEMENT PRACTICES.....

MISSION: TO GET THE MOST BENEFIT FROM THE PLANT FOOD DOLLAR.

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