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9/11/05 WEST TEXAS COTTON PROGRESS since 8/28 Rain & Hail (2 weeks)

MAJOR NEED NITROGEN - Plant roots have cut out ***Lack of N delays maturity!***

- Weekly petiole test show low N and P in sap (no active roots)
- Visual - small leaves begging for N - Shedding half grown bolls
- Still time to hold & improve grades

Count 1/2 size bolls /foot of row, 3/ft properly fed & watered can add 100 lb lint / acre in 10-15 days.

N source: foliar Urea (low biuret) use 10 to 20 lb/ac actual N = 5 - 10 gal/ac of a 20%N liquid Urea
(Contains No Nitrate as it burns) Buffer with 1 lb Humic Acid (active) = 1 gal of 10% HA/ 100 gal spray
EVEN 5 gal/ac of urea solution can do a lot in 5 days.

MOST FERTILIZER SUPPLIERS - CAN make a $\pm 20\%$ N, (total L.B. Urea solution)

+ Carbohydrates to supplement natural leaf action use 2-3 gal/ac Molasses **OR** 3-6 lb/ac table sugar, this hastens THE natural physiology of leaves to speed growth, maturity and reduces leaf burn.

POTASH is next major need indicated by leaf bronzing and low K petiole test.

Use high rates of approved products as well as light amounts of Micronutrients may help.

ALMOST every field observed in or out of TPSL Petiole Program could return good profits from 1 to 3 applications. Count Bolls to determine your best and highest profit potential to date for ***investment in this crop.***



8/28/05 2 weeks ago Cotton needed a boost with Root Stimulators plus N & P. Several cotton fields ***where it got this boost*** and some had 2 applications at 5 day intervals are now a flower garden with ***no shedding of bolls***. How many will make is conjecture, last year a bale per acre extra was harvested when treated & watered after 15 Aug.

To maximize yields & quality ***Apply foliar urea and sugar*** every 5 days as long as you see benefits.
Cotton so fed will defoliate easier especially with higher sugar at end.

Without treatment now shedding bolls up to 1/2 size with more to fall as they are starved for water & N, plants have cut-out. **ABOVE UREA CAN BE HIGHLY BENEFICIAL NOW!** To help the little moisture be more beneficial.

Try a load or 2 to see on your farm and under your conditions for future plans.

There are no absolutes in Nature just a constant learning process!

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