



## WEST TEXAS COTTON EARLY AUGUST

## Cotton Making time For Profits – Best Return on Costs

Wide differences in the Crop's progress all over was observed from just starting to bloom to Cut-Out with some fields stopped too early with excessive Mepiquat chlorides where the roots were shut down thus limiting yields too early, proper rates and timing can be highly beneficial, again only a regular program of qualified Petiole Testing can be the most accurate guide to how much and when by those that understand crop physiology.

Adverse weather is forecast but even if dryness continues FOLIAR APPLIED OR WATER INJECTED BALANCED NUTRIENTS with some of the many beneficial adjuvants can improve water use efficiency (research report 3 to 10 time more results with the same amount of water).

A CROP LOGGING PROGRAM OF COTTON PETIOLE TESTING including minerals and micronutrients can pay huge returns starting as late as last week of Aug. It was done last year.

ASK THE PLANT what, how much and when what is needed? Very small doses 3-10 days foliar or in H<sub>2</sub>O NITROGEN is usually the most lacking too much at one time can harm, plants need only 10-15 lb/ac/wk Foliar Low Biuret Urea is very effective as it is the amine form to be utilized directly. PHOSPHATE in sap shows root activity and are the basis of seed formation, much less is needed but regularly as roots are trying to cut out, adjuvants also are highly effective for uptake. POTASH the quality element is most needed at boll filling, can be applied foliar & in water. BORON & CALCIUM essential for pollination to stick blooms and for sugar and other transport. OTHER MINERALS AND MICRONUTRIENTS are very essential for physiological functions in very small amounts foliar.

**ADJUVANTS:** are products that enhance the normal physiological function of plant to increase yields and quality. Such as

***Mepiquat Chloride*** is an effective emergency brake on growth but also stops roots thus it has a long history of reducing yields with excessive rates. Over all it can be a yield booster.

***Mepiquat + boron or kinetin*** is proving very effective with less risk from excessive rates.

***Sugars*** – carbohydrate can be an effective supplement to the natural process when growing conditions inhibit the plants natural functions. Foliar it is directly assimilated and in soil it also aids the conversion of nitrates to amines and stimulates biological activity for favorable effects.

***PGRs*** multiple hormones can be high beneficial as can specific products that aid plant processes.

***Transporter*** Chaperon is one that can increase yields

***Activator*** Volar is a new one that overall stimulates reproduction

***Suppressors*** Mepiquats as mentions above are growth inhibitors.

***Multi-hormones*** quite a few good ones on the market of the PGR IV type

***Humic products*** Humic and fulvic acids, carboxyls, lignosulfanates, etc.

***Vitamins & Enzymes*** can also be beneficial as can amines.

***ASK YOUR PLANTS*** with a petiole tests and feed it what it needs; there are 4-6 weeks of money making time left. ***In a week or 10 days*** more bolls can be made than year to day. Costs now pay higher returns that all inputs today.

**Assist you plants natural physiological function** knowledge and tools are available!

HELP NATURAL PROCESS with balanced nutrients.

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