



COTTON ---

### GUIDE TO EARLY FRUITING

New Cotton Genetics RENDERS **TRADITIONAL COTTON GROWING OBSOLETE!**

**CHANGING FERTILITY AND PLANT NUTRITION PRACTICES MAJOR NEED!**  
**FEED THE PLANTS ACCORDING TO THEIR PHYSIOLOGICAL REQUIREMENTS!**

**Ask the plant** with a regular petiole testing program is the **only way to know!!!**

TO MAXIMIZE POTENTIAL YIELDS!

First 6-8 weeks -- 20 lbs/ac actual N preplant is more than adequate till 6-8 weeks or older.

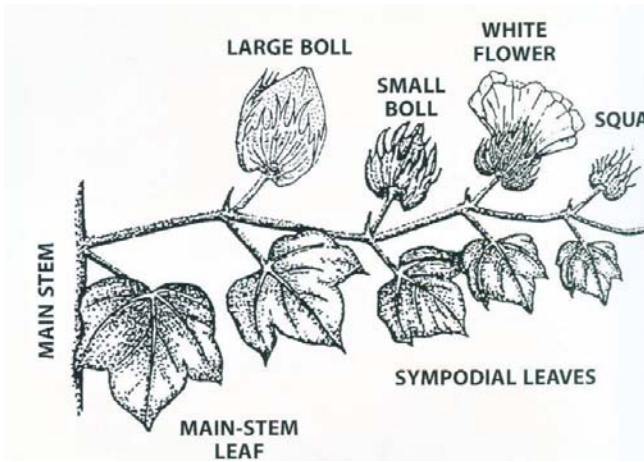
CONTROL excess NO<sub>3</sub> in sap early to prevent excessive stalk growth from shading leaves from critically needed sunlight to produce enough sugars (carbohydrates & photosynthates).

BY 12 to 18" height with high nitrate in petiole tests:

SLOW GROWTH NATURALLY

- apply foliar sugar (molasses 1-2 qts/ac @ 5-7 days or to soil at 1-2 gal/ac weekly, helps soil microbes convert NO<sub>3</sub> to NH<sup>2</sup> for fruiting N.
- Use Multi-hormones to promote fruit & root
  - \* PGR IV type several on market - follow labels - low doses (1-2 oz/wk)
- SPECIFIC HORMONE (PGR's) as Mepiquat + Kinetin or + B, etc. -- VOLAR activator to aid fruiting - roots - photosynthates, etc. -- Transfer CHAPERONE, and Others.
- MEPIQUAT CHLORIDE original PIX to control vegetative growth, boll set & maturity.

**Excellent Emergency brake, stops whole plant.**



ALSO AID ROOT GROWTH as PO<sub>4</sub> in sap indicates root activity - young root hairs take-up P & other nutrients -- old roots are lazy aiding senesis, cut-out.

STIMULATE NEW ACTIVE ROOTS with High P nutrient formulas foliar & in soil + humic substances + multi-hormones + biologicals and energy (sugar-molasses)

**PLANTS ONLY USE** 1 to 3 lbs/ac of P<sub>2</sub>O<sub>5</sub> a **week** but feed **every day!!!!**

Apply foliar (5-10 day) for highest recovery or in water in regular small amts.

***High sap PO<sup>4</sup> (+ balanced nutrients) = seed formation for more lint = 5 locks = 9 seed/lk***

**TILL early bloom 6-10 wks.** Keep N low til ***Plants ask for more*** in ***weekly petiole sap tests***

Then supply in regular small amounts about 10 lb N /ac/week + all nutrients balanced.

NITROGEN INCREASES RAPIDLY follow weekly petiole tests to when, how much of what kind.

**AT FULL BLOOM** keep regularly supplying N + balanced nutrients as new genetic plants can add 1/2 - 1 bale/ac/wk with proper nutrients, growing conditions, water & pest control.

WEEKLY PHOSPHATE levels show root performance - **keep all Minerals & Micros supplied.**

Keep roots stimulated with High P + Humus + Hormones + Microbes + Sugar products

**Team work by growers, a qualified lab, consultants & suppliers can attain 5 -6 -7 bale/ac**

**Roots** are important with **Return On Investment** make more **PROFITS PER ACRE.**

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