



# PIX™ APPLICATION GUIDE FOR ARIZONA COTTON

J. C. Silvertooth

## Pix Applications - Decision Base

- Follow Fruit Retention (FR) and Height:Node Ratios (HNR) vs. Heat Units After Planting (HUAP)
- Reference: FR & HNR baselines with upper and lower thresholds, Figures 1 & 2 (J.C. Silvertooth et al. UA)
- If HNRs are **trending toward**, equal, or exceed upper thresholds
  - vegetative tendencies are very likely
  - evaluate fruit retention (FR) levels also,
  - see Figure 2
  - should confirm vegetative condition
  - consider initiation of PIX treatments
  - follow rate guidelines (see Table below)
  - follow crop response (HNRs)
- If HNRs are near the baseline (middle line on figures)
  - plant height (vegetative) control is not a problem
  - withhold PIX applications
- If HNRs are near lower threshold
  - crop may have been under some degree of stress
  - evaluate crop for possible causes of reduced vegetative structure
  - withhold PIX applications
  - Continue to monitor field development on a regular basis
  - follow FR and HNR baselines

## SUGGESTED PIX RATES - ARIZONA

Minimum	0.5 pt./acre
Maximum	1.5 pt./acre
Gen. Optimum	0.75 pt./acre

\* Based on experimental program in Arizona

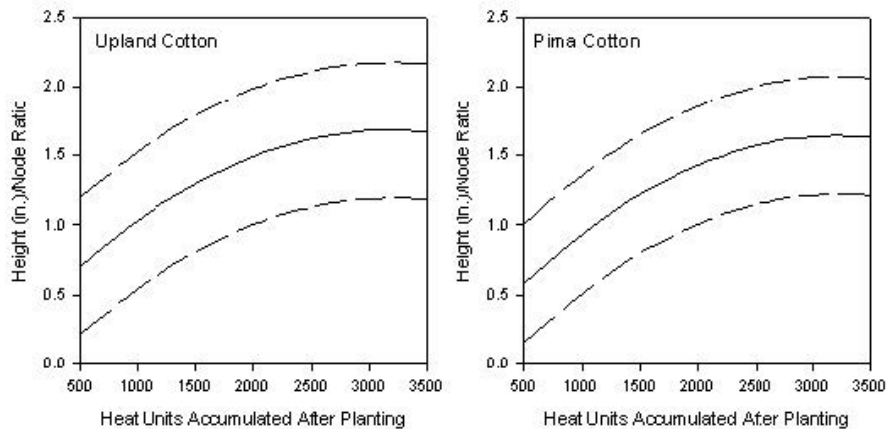


Figure 1. Height (in)/Node ratio for Upland and Pima cotton.

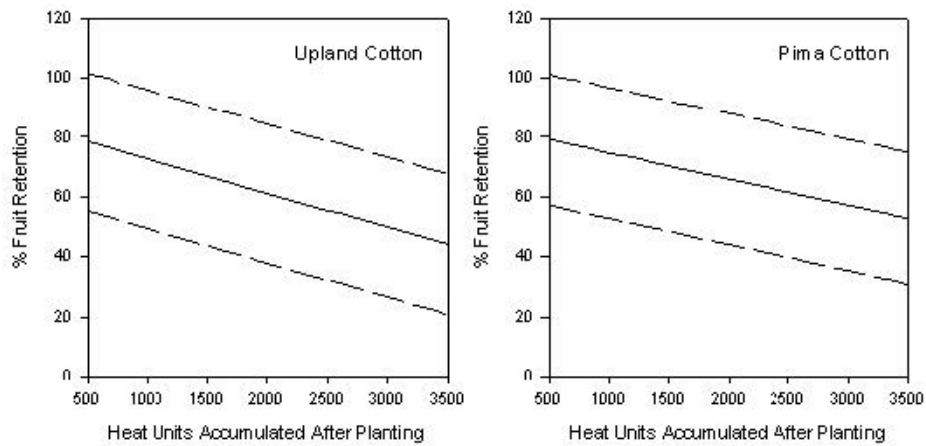


Figure 2. Fruit retention guidelines for Upland and Pima cotton.



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