

COTMAN OVERVIEW

Dr. Dan Fromme

The COTMAN™ Expert System provides continuous in-season crop monitoring to assist crop managers in making timely early and end of season management decisions. COTMAN consists of two components, SQUAREMAN and BOLLMAN. SQUAREMAN monitors the crop from first square to first flower. Two critical early season management issues are addressed by SQUAREMAN. First, square retention is monitored to determine if it is acceptable. Secondly, SQUAREMAN provides an indication if the crop is progressing at an acceptable rate. BOLLMAN monitors the crop from first flower until cutout is reached. During this period, NAWF counts and heat unit calculations are utilized. End-of-season management decisions regarding timing of insecticide termination and defoliation based on cutout date are facilitated by the BOLLMAN component. Numerous consultants and cotton producers who use COTMAN in their operation have reduced insecticide costs and avoided inclement weather at harvest through more timely defoliation applications.

.