

HERBICIDE APPLICATIONS WITH THE BEDSHAPER-PLANTER IN 1969

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Additional testing was done with the bedshaper-planter at the Cotton Research Center, Field E-3. All plots were planted with the bedshaper with incorporator and planter attached. A mixture of herbicides was used, Diuron at 1.0 pounds per acre and Bensulide at 1.5 pounds per acre.

Treatments were as follows: (1) Check, no chemicals; (2) Apply herbicides to sides of beds and furrows, incorporate with rolling cultivator, treat tops of beds during planting operation; (3) Apply herbicides during planting; and (4) Apply herbicides during planting, plus twice over with the rolling cultivator ten days after planting.

Treatment number one was cultivated with the rolling cultivator two times, double coverage on 4/18 and once over on 5/7.

First picking yield results are shown in the table below.

FIRST PICKING YIELDS FROM BEDSHAPER-PLANTER TESTS IN 1969

Treatment	Seed Cotton Yield, Pounds/acre
1. Check, no chemicals, 2 cultivations	2,860
2. Preplant to sides and furrows, plus drill application at planting	3,039
3. Herbicides applied during planting	2,950
4. Same as 3, plus one cultivation after emergence	2,874

No significant differences were found among treatments. Weed control in the drill row was excellent with the bedshaper, but weeds along the shoulders were a problem, particularly ground cherries. This was caused by a lack of incorporation in this area.