

HERBICIDE APPLICATION WITH THE BEDSHAPER-PLANTER

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Three herbicide combinations were applied and incorporated with the bedshaper-planter at planting time. The objective of this experiment was to apply the herbicides broadcast and place the seed beneath a layer of treated soil. Physical separation is required because some herbicides are quite toxic to the cotton plants if allowed to come in contact with the roots.

Season-long weed control was obtained with all combinations that included Karmex. The Treflan & Prometryne treatment was less effective later in the season. The control plots were badly infested with weeds and grasses, resulting in a significant reduction in yields.

The treatments for this experiment were:

- (1) Control (no herbicides)
- (2) Trifluralin (Treflan) 3/4 lb./A + Diuron (Karmex) 1 lb./A
- (3) Nitralin (Planavin) 3/4 lb./A + Diuron 1 lb./A
- (4) Trifluralin 3/4 lb./A + Prometryne (Caparol) 1 lb./A

Yield data is given below: (Pounds of Seed Cotton Per Acre)

Treatment

	1	2	3	Total	Ave.
1	2420	2288	2508	7216	2405
2	2904	3432	2992	9328	3109
3	3124	3036	3190	9350	3117
4	2772	3212	2926	8910	2970

PARKER VALLEY HERBICIDE TEST

Jim Hazlitt, County Agent-In-Charge - Yuma County

Herbicide	Lbs/A	<u>Method of Incorporation</u>				<u>Furrowed & Roto-Mulched</u>	
		<u>Flat & Furrowed</u>		<u>Flat & Disked</u>		<u>Weed</u>	<u>Crop</u>
		<u>Control</u>	<u>Crop Injury</u>	<u>Control</u>	<u>Injury</u>	<u>Control</u>	<u>Injury</u>
Caparol	1.0	9.5	9.0	10.0	9.5	9.7	10.0
Caparol	2.0	10.0	9.0	10.0	9.0	9.7	10.0
Cotoran	1.5	9.5	9.5	10.0	8.5	10.0	9.7
Karmex	1.25	10.0	5.5	8.5	8.5	9.7	9.7
<u>June 17 Rankings</u>							
Caparol	1.0	8.5	9.5	9.5	9.5	5.25	10.0
Caparol	2.0	8.0	10.0	8.5	8.5	6.5	10.0
Cotoran	1.5	7.0	9.5	9.5	8.5	7.5	9.5
Karmex	1.25	10.0	7.0	7.0	9.0	5.0	5.75

Weed Control 0-10 (10 - no weeds present)
 Crop Injury 0-10 (10 - no stand reduction)