

Drilled Solid Cotton in Borders, 1 foot apart, 12 feet wide, 600 feet long.

| Variety | No. of rows per bed | Lbs. of Lint | No. of Acres | Lint per Acre |
|---|---------------------|--------------|--------------|---------------|
| Mississippi Deltapine | ---- | 195 | .17 | 1147 |
| Drilled Solid Cotton in Border 6 inches apart, 12 feet wide, 600 feet long. | | | | |
| Variety | | Lbs. of Lint | No. of Acres | Lint per Acre |
| Deltapine | ---- | 179 | .17 | 1053 |
| Deltapine 45 | ---- | 178 | .17 | 1047 |
| PayMaster | ---- | 113 | .17 | 665 |

Broadcast Cotton Does O.K. in Yuma County

(Jim Hazlitt)

The broadcast cotton test on the Jim Naquin Ranch at Roll yielded as well as his regular solid planting. The broadcast cotton yielded 1530 lbs of lint per acre. The regular planted cotton averaged approximately 1500 pounds.

The land was pre-irrigated March 10 and 3/4 pound trifluralin was applied and incorporated on April 1, 1964. Fifty (50) pounds of DFL Smooth Leaf was planted with a grain drill on April 5. Every other hole on the drill was plugged to make 14 inch rows. The regular planted cotton was planted with a precision planter at 12 lbs. per acre.

The plot received irrigation on May 29th, June 25th, July 15th, July 31st and August 21. This was one less irrigation than the regular planted cotton obtained.

The broadcast cotton received no cultivations. An interesting side light was that watergrass came back in the regular planted cotton in late August after the herbicide action was exhausted. The broadcast cotton shaded the ground sufficiently to control the grass problem with the preplant application of trifluralin. Also it may knock in the head the idea that cultivations are necessary for mulching and water penetration purposes on this type of soil.

An attempt to desiccate the plot was made on September 22nd. While the desiccation was not completely successful, future growth and set was halted.

All in all, there was a saving in planting costs, cultivations and one irrigation. There was an increase in seed costs and of course it had to be hand picked. Perhaps this can be overcome in the near future.