

EVALUATION OF A SIDEDRESS APPLICATION OF POTASH

J. R. Johnson¹ and J. R. Saunders¹

¹North Mississippi Branch Station; North Mississippi Research and Extension Center; Mississippi State University; Holly Springs, MS 38635

ABSTRACT: Four treatments were evaluated as a sidedress treatment for cotton after blooming. Treatments were sixty pounds of potash, sixty pounds of potash plus thirty pounds of nitrogen, thirty pounds on nitrogen and no nitrogen or potash as a sidedress. Plots were fertilized to soil test recommendations at the beginning of the study. Cotton yields were excellent, averaging over two bales per acre. Yields were not significantly different for the treatments in this study.

CITATION: Johnson, J. R., and J. R. Saunders. 2002. Evaluation of a Sidedress Application of Potash. Annual Report of the North Mississippi Research & Extension Center, Miss Agric. & For. Expt. Sta. Info. Bull. 386 p. 187.

MATERIALS AND METHODS: The experiment was on an upland site planted using stale seedbed practices. The experimental design is a RCB with 6 replications. Plot size is 8 rows wide, and 500 feet long. Preplant fertilizer was spread according to soil test recommendations. Plot management for weeding, spraying, seeding and harvest was performed using proper agronomic practices. Prior to harvest, a 100-boll sample was picked from each plot. Plots were harvested using a cotton picker modified for plot harvesting.

RESULTS AND DISCUSSION: Yields were not significantly different for the treatments in the study. Data are shown in Table.1.

Table 1. Yield response to potash treatments.

Treatment	Yield (lbs of lint per acre)
0-0-60	1050
34-0-60	1155
34-0-0	1077
0-0-0	1102
LSD 0.05	NS
CV%	10