During the spring of 1920, nine five-acre fertilizer experiments with cotton were located on different plantations near Scott, Arkansas. The soil is alluvial river land known as “Lonoce very fine sandy loam.” On each of these areas different fertilizers were used at each place; but all were applied at the rate of 500 pounds per acre.

One grower used 500 pounds per acre of a mixture containing 10 percent phosphoric acid, 3 percent nitrogen and no potash. The cotton plants in this field on both the fertilized and unfertilized areas in 1920 died so badly that no record was kept of the yield of cotton produced. The experiment was to continue on the same area for 1921.

FIG. 1. Healthy, vigorous plants on left were fertilized; on right, no fertilizer was used and all plants died.

Paper read at the meeting of the Society held at New Orleans, La., November 8, 1921.

Agronomist, Little Rock (Arkansas), office, Farm Service Bureau, Southern Fertilizer Association.