

# RESPONSE of CROPS to VARIOUS PHOSPHATE FERTILIZERS



REGIONAL EXPERIMENT STATION  
*of the* ALABAMA POLYTECHNIC INSTITUTE  
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## FOREWORD

"Response of Crops to Various Phosphate Fertilizers," a presentation of significant results from 38 years of research involving over 1,300 experiments by the Alabama Agricultural Experiment Station, was prepared by L. E. Ensminger, Associate Soil Chemist, who since joining the staff in late 1944 has been concerned with phosphorus research. In preparing this report, Dr. Ensminger has compiled the results of many workers of this Station.

Summarized are results of phosphorus experiments at the Main Station, Auburn, Alabama, carried on by R. Y. Bailey°, F. E. Bertram, E. F. Cauthen\*\*, J. F. Duggar\*\*, Franklin Fudge°, M. J. Funchess, W. H. Pierre°, F. W. Parker°, G. D. Scarseth°, D. G. Sturkie, J. W. Tidmore\*\*, H. B. Tisdale, and G. W. Volk°.

Phosphorus response studies at the Experiment Fields reported herein were conducted by H. R. Benford°, F. E. Bertram, C. L. Breedlove°, J. W. Richardson, J. F. Segrest, Jr., J. R. Taylor°, R. W. Taylor°, and J. T. Williamson.

Phosphorus studies at the Substations were done by K. G. Baker, R. C. Christopher°, S. E. Gissendanner, Fred Stewart, and J. P. Wilson\*\*.

Cooperative cotton, peanut, and pasture tests with farmers were conducted by E. L. Mayton, H. T. Rogers°, J. M. Scholl°, E. H. Stewart°, and J. T. Williamson. — *Editor*.

° Resigned

\*\* Deceased

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