to bottles and exposing to light, whereby the original yellow color is restored.

CURTIS & TOMPKINS,
SAN FRANCISCO, CALIF.

STUDIES ON THE OIL AND AMMONIA CONTENT OF COTTONSEED

A Progress Report

BY A. F. SIEVERS

The work of the Bureau of Plant Industry in connection with the Basic Research Committee of the American Oil Chemists' Society and the Interstate Cottonseed Crushers' Association concerns itself with a study of the influences of soil and climate on the oil and ammonia content of cottonseed. In the report of the first season's work presented at the 1924 convention of this Society it was pointed out that such a program must extend over a number of years in order to furnish sufficient data to warrant definite conclusions. The first year's work included analysis of the seed from about 29 varieties grown at 10 different stations. From these analyses it appeared that those varieties which produced seed of either exceptionally high or low oil content in any one locality displayed the same tendency in the other localities from which seed was obtained.

During the past winter and spring the analysis of seed grown in 1924 has been proceeding along the same lines. Some new varieties have been added and a few of those included in last year's list could not be obtained this year. The stations from which samples were obtained are substantially the same as last year. The work has been unavoidably interrupted several times this winter with the result that only about two-thirds of the analyses have been completed to date. It has therefore been impossible to correlate the data and note the trend of results as was done in last year's report. It should be understood that there has in no sense been any curtailment of the work but that some of the analyses have been delayed but will probably be completed in about a month or six weeks. The ammonia determinations are being made, as last year, by the Barrow-Agee Laboratories.

It is planned to continue the program during the present growing season for the third successive year. If it is possible to complete the analyses of the samples from the coming season in sufficient time next spring it will be possible to render a report covering three years at the 1926 meeting of the Society.

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