

\*\*\*\*\*  
 \* Mimeograph Sept. 15, \*  
 \* Paper No. 5 GEORGIA COASTAL PLAIN EXPERIMENT STATION 1941 \*  
 \* Tifton, Georgia \*  
 \* \*  
 \* Information based on results of practical experiments in \*  
 \* agriculture for press release and distribution to farmers \*  
 \* \*  
 \*\*\*\*\*

## A NEW OAT FOR SOUTH GEORGIA

Oat varieties that have given highest yields in tests conducted at the Coastal Plain Experiment Station at Tifton are those varieties belonging to the Red Rustproof type. Commercial varieties that have come from Red Rustproof are Bancroft, Appler, Texas Rustproof and Hundred Bushel. These varieties are much alike in most characteristics and are sufficiently resistant to rust to give good yields in seasons when this disease is prevalent. However, a large part of the commercial seed stocks of these varieties has become mixed. Fields containing a high percentage of off-type plants are common throughout South Georgia.

In order to secure a uniform Red Rustproof oat several United States Department of Agriculture selections have been included in variety trials at Tifton. Over a period of six years a selection designated as Rustproof 14 has given highest average yields of all varieties included in this test. This selection yielded 4.3 bu. per acre more than the average of commercial Red Rustproof varieties.

Rustproof 14 is similar to other Red Rustproof varieties and is well adapted to South Georgia conditions both for grain production and for grazing.