

### INTRODUCTION.

The third season of work on the selection and breeding of the Pigeon Pea (Cajanus indicus) on the College Farm with a view to producing a type favourable to cultivation in Trinidad has now ended. The first year, 1933-34, was devoted to amassing and describing a collection of diverse types and to preliminary selection and pure line isolation.

In the 1934-35 season, the number of the original types was considerably reduced, the basis for selection being uniformity of seed colour which was stated by dealers to be a commercial quality of first importance. The pure line isolation was continued and one important addition was made to the collection of types. This introduction, developed by the Department of Agriculture largely by mass selection over a long period of years and known as the St. Augustine Variety, has since shown high promise.

The purpose of this paper is to give an account of the present season's experimental work and results, which have indicated the all round superiority of the St. Augustine Variety. The marked deficiencies revealed in all the other strains suggest that their potentialities are not such as to justify a future programme of selection with them which would necessarily extend over a number of generations before uniformity could be achieved.