

FIELD EXPERIMENTS 19 33/34.

Crop: Broccoli.

Field: B.

Experiment: Variety Trial.

Treatments & Layout: Roscoff. 32 S.T. 1. } from H.R.S. Cambridge.  
 32 S.T. 3 A. }  
 Suttons Roscoff No. 4.

6 Randomised Blocks, each plot  $\frac{6}{201.7}$  yds x 4 yds =  $\frac{1}{201.7}$  acre  
 24 plants per plot.

Manuring with dates of:

9 loads / acre	F.I.M.	(in winter)	
2 cwts	"	B/A.	} May 26th.
4 "	"	30% super.	
4 "	"	B/P.	

seed bed April 12th.  
 Date of drilling: Transplanted Variety: - Seed Rate: -  
 June 13th.

Date of Harvesting. April 6th - May 9th. 1934.

Date of

Remarks (previous cropping, cultivations, etc.)

Previous cropping and manuring see sprouts trials.

The Broccoli were cut daily as they matured, the minimum size for cutting being fixed at 4 1/2" diameter.

In their vegetative characters, there was little to choose between the varieties. All stood the dry winter well, and no one variety showed any more marked resistance to the "brown edge" disease than the others. Suttons however, had a more open growth than the others, with leaves inclined to spread inwards, and markedly pinnate. S.T.I. had a more upright growth, with leaves entire and running right down stem. S.T.I. was more upright still, with a darker colour than S.T.I., and veins a paler colour.

Note Book No.

File 24.

	Mean date of cutting.	No. of weeks to mature from planting.	% marketable heads.	Total No of bolters.	Total No. of 'doubles'
32. ST. 1.	April 26th.	45.3	48.	6.	(2 heads 5 marketed)
32. ST.3A.	" 23rd.	44.9	72.	6.	(4 heads 4 marketed)
Suttons.	" 30th.	46.0	70.	nil.	(2 heads 5 marketed)
Mean.	April 26th.	45.4	63.	-	-
Standard Error.	-	0.12	6.17	-	-

32. S T 3A was slightly but significantly earlier than 32 ST.1, and yielded 50% more marketable heads. Suttons Rosecoff, was over a week later than ST 3 A, but produced the same proportion of marketable heads. This variety produced no bolters, but several plants did not 'heart up', or else produced very small hearts which did away.