

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Variety Trial with N.50/211

Catalogue No.: 58
 This crop: P, 1R, 2R.
 Site: Old Road, Nollsworth
 Altitude: 200'
 Soil: Windermere
 Design: Random Block
 Varieties: N:Co.376, N:Co.310,
 N:Co.334, N.50/211
 Fertiliser: N P K
 Plant = Urea 216 400 250
 1R " 400 500 250
 2R L.A.N. 800 500 250

<u>Soil Analysis</u>				p.p.m.			
	pH	O.M.%	Clay %	P	K	Ca	Mg
P	5.57	4.80	-	12	227	990	1500
1R	5.29	5.16	-	2	165	4030	899
2R	3.85	5.43	-	14	140	1353	278
<u>Age:</u>							
P	= 17 mths. Nov. 1959 - June 1961						
1R	= 26 mths. June 1961 - Aug. 1963						
2R	= 14 mths. Aug. 1963 - Oct. 1964						
<u>Rainfall:</u>							
	P = 60.22"						
	1R = 73.85"						
	2R = 31.52"						

Object: To compare the yields of four released varieties

Results:

Item	Crop	N:Co.376	N:Co.310	N:Co.334	N.50/211
T.C.A.	P	78.7	69.7	73.4	65.6
	1R	57.6	44.0	46.8	50.8
	2R	47.3	38.6	46.6	47.8
Suc. %	P	13.2	13.5	12.4	12.1
	1R	12.6	12.6	11.7	13.9
	2R	13.6	15.4	14.1	14.1
T.S.A.	P	10.39	9.43	9.12	7.93
	1R	7.26	5.54	5.48	7.09
	2R	6.42	5.95	6.55	6.72

30th May, 1966.