

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Variety Trial with N.50/211

Catalogue No.: 63
 This crop: P, 1R, 2R.
 Site: Lot 3, Mwawine.
 Altitude: 300'
 Soil: Fernwood
 Design: Random block
 Varieties: N:Co.376, N:Co.382,
 N:Co.339, N.50/211
 Fertiliser: N P K
 Plant = Urea 144 200
 1R = " 400 300 250
 2R = LAN 800 300 250

Soil Analysis:				p.p.m.			
	pH	OM %	Clay %	P	K	Ca	Mg
Plant	5.00	0.65	-	34	178	1850	189
1R	5.30	0.56	-	28	37	600	88
2R	5.31	0.50	-	26	67	452	43

Age:
 P = 20 mths. Nov. 1959 - July 1961
 1R = 23 mths. July 1961 - June 1963
 2R = 16 mths. June 1963 - Sept 1964

Rainfall:
 Plant = 76.47"
 1R = 67.25"
 2R = 40.66"

Object: To compare the yields of four released varieties.

Results:

Item	Crop	N:Co.376	N:Co.382	N:Co.339	N.50/211
T.C.A.	P	52.4	51.6	43.1	47.3
	1R	27.6	29.6	22.0	25.7
	2R	19.0	20.0	12.5	14.8
Suc. %	P	14.1	14.2	14.1	13.8
	1R	12.6	13.0	13.5	12.9
	2R	13.8	14.5	14.1	13.9
T.S.A.	P	7.38	7.31	6.05	6.53
	1R	3.47	3.85	2.97	3.31
	2R	2.63	2.89	1.76	2.06

27th May, 1966.