

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Pre-Release Variety Trial

Catalogue No: 39
This Crop: P, 1R, 2R
Site: Hospital, Tongaat
Altitude: 200'
Soil: Clansthal
Design: Random Block
Variety: N.51/539, 168, N.50/211,
N:Co.376
Fertilizer:

	N	P	K
Plant = Urea	150	300	200
1st R. = urea	300		
LAN	600	600	400
2nd R. = LAN	500	400	200

Soil Analysis:

	pH	OM %	Clay%	P	K	Ca	Mg
P.							
1R.:	5.39	0.68		23	105	475	42
2R.:	5.43	0.85	9.0	43	86	163	45

Age:

Plant	23 M.	March 1961 - Feb 1963
1R.	16 M.	Feb. 1963 - July 1964
2R.	13 M.	July 1964 - Aug. 1965

Rainfall:

P.	78.80"	1R.	44.94"	2R	35.99"
----	--------	-----	--------	----	--------

Object:

To compare N:Co.376 and N.50/211 with two new varieties.

Results:

Item	Crop	N.51/539	N.51/168	N.50/211	N:Co.376
T.C.A.	P	40.2	41.2	53.3	43.7
	1R	46.9	45.1	64.4	70.0
	2R	35.9	40.2	36.1	36.2
Suc. %	P	14.3	14.6	12.2	13.4
	1R	12.1	12.0	13.0	13.8
	2R	11.7	10.8	10.4	10.9
T.S.A.	P	5.74	6.01	6.50	5.84
	1R	5.67	5.43	8.34	9.65
	2R	4.20	4.33	3.77	3.95

27th May, 1966.