

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Pre-Release Variety Trial

Catalogue No: 36
This Crop: P & 1R
Site: Benningfield, Inyaninga
Altitude: 300'
Soil: Milkwood
Design: Random Block
Variety: N.51/168, 539, N.50/211
and N:Co.376
Fertilizer:

	N	P	K
Plant : Urea	150	300	200
1 R. : Urea	300		
L.A.N.	600	600	400

Soil Analysis:

	pH	OM %	Clay%	ppm			
	P	K	Ca	Mg			
P	-	-	-	-	-	-	-
1R	4.84	4.80	-	6	67	2454	550

Age:

P : 23M March 1961 - Feb. 1963
1R : 17M Feb. 1963 - July 1964

Rainfall:

P : 75.51"
1R : 49.55"

Object:

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

Results:

Item	Crop	N.51/168	N.51/539	N.50/211	N:Co.376
T.C.A.	P	32.3	46.8	52.0	41.9
	1R	37.7	37.0	55.0	60.0
Suc. %	P	13.0	14.1	13.4	13.3
	1R	11.5	12.3	14.1	14.3
T.S.A.	P	4.21	6.59	6.98	5.59
	1R	4.32	4.55	7.85	8.60

30th May, 1966.