

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Pre-release Variety Trial

Catalogue No.: 37
This Crop: P, 1R, 2R.
Site: Boundary, Frosterley.
Altitude: 400'
Soil: Cartref
Design: Random Block
Varieties: N51/168, N51/539,
N50/211, N:Co.376
Fertiliser: N P K
Plant = Urea 150 300 200
1R = Urea 300 600 400
LAN 600 600 400
2R = LAW 500 400 200

Soil Analysis: P.p.m.

	pH	OM %	Clay %	P	K	Ca	Mg
Plant	-	-	-	-	-	-	-
1R	5.49	0.65	-	28	84	817	71
2R	-	-	-	-	-	-	-

Age:
P = 23 mths. March 1961 - Feb. 1963
1R = 14 mths. Feb. 1963 - April 1964
2R = 16 mths. April 1964 - Aug. 1965

Rainfall:
P = 75.51"
1R = 45.00"
2R = 36.23"

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

Results:

Item	Crop	N51/168	N51/539	N50/211	N:Co.376
T.C.A.	P	42.4	39.8	49.1	51.9
	1R	60.1	59.4	Cut by section	74.0
	2R	32.8	27.4	28.4	33.6
Suc. %	P	13.8	14.2	12.0	12.1
	1R	12.9	12.3	Cut by section	11.7
	2R	13.4	11.6	10.9	11.2
T.S.A.	P	5.81	5.64	5.92	6.29
	1R	7.78	7.32	Cut by section	8.69
	2R	4.38	3.19	3.08	3.76

27th May, 1966.