

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Quarantine Variety Trial, N51 Series

Catalogue No: 42

This Crop: P, 1R

Site: Rich, Mwawine

Altitude: 300'

Soil: Clansthal

Design: 3 x 4 Rectangular Lattice

Variety: N.51/168, 539, 249, 101,
783, Co.331, N.51/669
201, 502, 524, 377,
N:Co.376

Fertilizer: N P K
Plant A/N : 200 1500 GPA mol
1st R A/N : 750 400 80 TPA F.Pr.

Soil Analysis:

	pH	OM %	Clay%	P	K	Ca	mg
P	-	-	-	-	-	-	-
1R	6.09	0.95	-	97	81	550	-

Age:

P 20 M Nov. 1956 - July 1958
1R 25 M July 1958 - Aug. 1960

Rainfall:

P : 79.45"
1R : 68.27"

Object:

To compare N:Co.376 and Co.331 with ten 1951 seedlings.

Results:

Variety	Plant			1st Ratoon		
	T.C.A.	Suc. %	T.S.A.	T.C.A.	Suc. %	T.S.A.
N.50/211	72.8	14.9	10.82	52.2	14.8	7.70
N.51/539	63.8	16.2	10.36	63.9	14.2	9.05
N.51/249	66.3	15.1	10.00	57.0	13.8	7.88
N.51/101	64.1	15.2	9.74	49.8	14.3	7.11
N.51/783	61.2	15.8	9.67	46.8	14.7	6.88
N.51/669	52.0	15.7	8.14	28.0	14.8	4.15
N.51/201	53.5	15.1	8.09	39.7	14.1	5.59
N.51/502	49.0	15.4	7.53	42.9	14.7	6.32
N.51/524	40.5	16.2	6.54	38.6	13.9	5.36
N.51/377	40.5	14.0	5.66	30.0	13.8	4.16
N:Co.376	71.2	15.1	10.77	51.4	14.1	7.23
Co.331	65.2	14.6	9.49	60.7	14.2	8.66

30th May, 1966.