

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Pre-release variety trial III

Catalogue No.: 68  
This crop: P. 1R.  
Site: Rich - Tongaat.  
Altitude: 300'  
Soil: Clansthal  
Design: Random Block  
Varieties: N:Co.376, N:Co.382  
N.50/211, N.53/216  
Fertiliser: N P\* K+  
Plant - Urea 225 - 150  
1R - L.A.N. 1000 - 200  
\* 40 Tons filter cake/ac. at plant.  
+ 1000 gallons molasses/ac. at plant.

Soil Analysis p.p.m.

	pH	O.M.%	Clay %	P	K	Ca	Mg.
P	5.29	0.58	-	13	145	1130	318
1R	5.71	0.40	-	49	114	1155	69

Age:  
P = 18 mths. Jan. 1962 - July 1963  
1R = 15 mths. July 1963 - Oct. 1964

Rainfall: 52.31" P.  
37.17" 1R.

Object: To compare N:Co.376, N:Co.382 and N.50/211 with a new variety.

Results:

Item	Crop	N:Co.376	N:Co.382	N.50/211	N.53/216
T.C.A.	P	39.9	56.1	41.7	45.5
	1R	23.8	36.2	26.5	32.2
Suc. %	P	12.7	13.9	11.9	14.0
	1R	13.1	14.1	13.5	14.8
T.S.A.	P	5.09	7.78	4.98	6.37
	1R	3.12	5.09	3.59	4.76

28th May, 1966.