

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Pre-release variety trial

Catalogue No.: 67	Soil Analysis:	p.p.m.					
This crop: P, 1R.	pH	OM %	Clay %	P	K	Ca	Mg
Site: Theunissen, Inyaninga.	P 5.24	2.09	-	8	107	4170	267
Altitude: 300'	1R 4.03	3.44	-	7	125	2440	287
Soil: Windermere	Age:						
Design: Random block	P = 17 mths.	Jan 1962 - June 1963.					
Variety: N:Co.376, 382.	1R = 13 mths.	June 1963 - July 1964.					
N.50/211, N53/216.	Rainfall						
Fertiliser: N P K	P = 48.82"						
Plant Urea 225	1R = 38.49"						
1R LAN 900							
40TPAFP 1000GPA Mol							
150							
200							

Objects: 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	N53/216
T.C.A.	P	47.2	42.9	43.9	41.6
	1R	47.2	37.3	45.2	38.1
Suc. %	P	13.2	13.1	13.2	14.2
	1R	13.8	13.9	14.1	14.8
T.S.A.	P	6.21	5.63	5.82	5.89
	1R	6.51	5.17	6.36	5.62

30th May, 1966.