

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Pre-release Variety Trial

Catalogue No.: 33
This crop: P, 1R.
Site: Maharaj, Sinembe
Altitude: 600'
Soil: Cartref
Design: Random Block
Varieties: N:Co.376, N:Co.382,
N.10, N.219
Fertiliser: N P K
Plant = urea 350 - -
1R = urea 400 400 250

Soil Analysis p.p.m.
pH O.M.% Clay % P K Ca Mg
P - - - - - -
1R 5.24 1.15 - 9 60 655 658
Age:
P = 22 mths. Sept. 1960 - July 1962
1R = 16 mths. July 1962 - Nov. 1963
Rainfall: P 80.42"
1R 50.63"

Object: To compare N:Co.376 and N:Co.382 with two new varieties.

Results:

Item	Crop	N.10	N.219	N:Co.376	N:Co.382
T.C.A.	P	50.7	42.3	55.6	56.0
		34.3	37.5	46.5	49.8
Suc. %	P	13.9	14.2	14.4	14.6
	1R	14.5	14.8	13.8	14.5
T.S.A.	P	7.03	6.01	8.00	8.16
	1R	4.97	5.57	6.43	7.23

30th May, 1966.