

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Pre-release Variety Trial

Catalogue No.: 34
This crop: Plant, 1R.
Site: House, Sibudu
Altitude: 400'
Soil: Williamson
Design: Random Block
Varieties: N.10, N.219
N:Co.376, N:Co.382
Fertiliser: N P K
Plant = urea 350 - -
1R = " 400 400 250

Soil Analysis

p.p.m.
pH O.M.% Clay % P K Ca Mg
P 5.36 1.19 - 55 211 3240 699
Age:
P = 21 mths. Sept. 1960 - June 1962
1R = 17 mths. June 1962 - Nov. 1963
Rainfall: P 78.07"
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	50.4	42.4	52.4	53.5
	1R	35.4	39.3	49.6	37.3
Suc. %	P	13.0	12.4	12.9	13.3
	1R	13.8	14.8	14.3	14.4
T.S.A.	P	6.57	5.25	6.77	7.12
	1R	4.90	5.84	7.10	5.39

30th May, 1966.