

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Variety Trial with N.50/211

Catalogue No.: 61
This crop: P, 1R.
Site: Birkdale, Tongaat
Altitude: 300'
Soil: Shortlands
Design: Random Blocks
Varieties: N:Co.376, N:Co.334,
N:Co.382, N.50/211
Fertiliser: N P K
Plant - Urea 200 500 200
1R - L.A.N. 1000 300 200

Soil Analysis

p.p.m.
pH O.M.% Clay % P K Ca Mg.
P 5.26 3.00 - 10 446 4550 397
1R 5.76 4.91 - 24 551 821 272

Age:

P = 18 mths. Dec. 1961 - June 1963
1R = 16 mths. June 1963 - Oct. 1964

Rainfall: P 51.37"
1R 45.52"

Object: To compare the yields of four released varieties.

Results:

Item	Crop	N:Co.376	N:Co.334	N:Co.382	N.50/211
T.C.A.	P	56.5	52.7	45.5	57.6
	1R	47.3	49.1	38.5	49.6
Suc. %	P	13.4	12.6	13.1	12.5
	1R	13.6	14.3	14.4	14.2
T.S.A.	P	7.59	6.65	5.95	7.22
	1R	6.42	7.00	5.54	7.06

30th May, 1966.