

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Variety Trial

Catalogue No.: 60
This crop: Plant, 1R, 2R.
Site: Birkdale, Tongaat.
Altitude: 300'
Soil: Shortlands
Design: Random Block.
Varieties: N:Co.334, N:Co.310
 N:Co.376, N:Co.293
Fertiliser: N P K
 Plant = A/N 200 300 100
 1R = Urea 400 300 250
 2R = L.A.N. 800 300 250

p.p.m.

	pH	O.M.%	Clay %	P	K	Ca	Mg
P	5.10	5.65	-	14	477	3280	-
1R	5.04	2.64	-	7	461	2780	870
2R	5.33	5.33	325	26	581	741	327

Age:
 P = 25 mths. Oct. 1959 - Nov. 1961
 1R = 19 mths. Nov. 1961 - June 1963
 2R = 16 mths. June 1963 - Oct. 1964

Rainfall: 96.40" P.
 51.37" 1R.
 45.52" 2R.

Object: To compare the yields of four released varieties.

Results:

Item	Crop	N:Co.334	N:Co.310	N:Co.376	N:Co.293
T.C.A.	P	87.9	71.4	94.1	87.7
	1R	56.2	46.3	56.6	53.5
	2R	38.6	39.5	47.0	38.3
Suc. %	P	14.2	14.0	14.2	13.9
	1R	13.9	14.6	13.6	12.2
	2R	14.6	15.1	14.0	13.3
T.S.A.	P	12.50	10.00	13.38	12.23
	1R	7.79	6.77	7.70	6.54
	2R	5.38	5.97	6.56	5.10

28th May, 1966.