

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Variety trial with N.50/211

Catalogue No.: 62
This Crop: P, 1R, 2R, 3R.
Site: Swinton Park, Inyaninga.
Altitude: 300'
Soil: Fernwood
Design: Random block
Variety: N:Co.339, 382, 376.
 N.50/211.
Fertiliser: N P K
 Plant Urea 150 400 200
 1R " 400 300 250
 2R LAN 800 300 250
 3R " 500 300 300

Soil Analysis: p.p.m.

	pH.	OM %	Clay %	P	K	Ca	Mg
P	5.10	0.88	-	14	266	320	279
1R	5.61	0.70	-	6	62	330	308
2R	5.20	0.39	-	11	48	349	63
3R	4.82	4.51	-	27	67	105	46

Age:
 P = 18 mths. Nov. 1959 - June 1961.
 1R = 24 mths. June 1961 - June 1963.
 2R = 13 mths. June 1963 - July 1964.
 3R = 15 mths. July 1964 - Oct. 1965.

Rainfall:
 P = 72.42"
 1R = 71.30"
 2R = 37.07"
 3R = 37.93"

Objects: To compare the yields of four released varieties.

Results:

Item	Crop	N:Co.339	N:Co.382	N:Co.376	N.50/211
T.C.A.	P	49.2	74.6	68.3	78.9
	1R	31.2	40.3	51.1	60.8
	2R	25.1	33.8	39.7	39.1
	3R	16.8	22.9	23.5	23.3
Suc. %	P	12.3	12.6	12.5	11.6
	1R	13.8	13.2	13.6	13.1
	2R	13.5	13.8	13.6	13.4
	3R	14.2	13.9	14.1	14.0
T.S.A.	P	6.03	9.40	8.50	9.17
	1R	4.30	5.30	6.98	7.96
	2R	3.38	4.67	5.39	5.24
	3R	2.39	3.18	3.32	3.26

30th May, 1966.