

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Pre-Release Trial (168, 539)

Catalogue No: 120
This Crop: Plant.
Site: Westbrook Section, N.E.L.
Mt. Moriah
Altitude: 400'
Soil Series: Dolerite Shortlands
Design: Random Block
Variety: See treatments
Fertilizer: 3:15:3 1000 lbs.
15: 0:15 1200 lbs.
Water Regime: Furrow Irrigation.

Soil Analysis:

pH	O.M.%	p.p.m.	
		P.	K
6.5	4.36	14	179

Age: 21 months. (3/61 - 12/62)
Rainfall, this crop: 69.60"

Object: To test pre-release varieties.

Treatments:

1. N.51/539
2. N.51/168
3. N:Co.376
4. N.50/211

Results:

Variety	T.P.A.	Suc. %	T.S.A.	1	2	Rank	
				T.P.A.M.	Lbs. S.A.M.	1	2
539	44.7	16.2	7.2	2.128	686	3	4
168	49.4	17.0	8.3	2.352	790	2	2
376	44.7	16.3	7.3	2.128	696	3	3
211	60.5	15.8	9.5	2.881	904	1	1

10th May, 1966.

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Pre-Release Trial (168, 539)

Catalogue No: 120
This Crop: 1st Ratoon
Site: Westbrook Section, N.E.L.
Mt Moriah
Altitude: 400'
Soil Series: Dolerite, Shortlands.
Design: Random block
Variety: See treatments
Fertilizer: 10:6:10 1200 lbs.
Water Regime: Furrow Irrigation

Soil Analysis:

				p.p.m.	
pH	O.M.%	P.	K		
6.5	4.36	14	179		

Age: 10 months (12/62 - 10/63)
Rainfall, this crop: 27.50"

Object: To test pre-release varieties.

Treatments:

1. N.51/539
2. N.51/168
3. N:Co.376
4. N.50/211

Results:

Variety	T.P.A.	Suc. %	T.S.A.	1 T.P.A.M.	2 Lbs. S.A.M.	Rank	
						1	2
539	43.9	13.3	6.8	4.390	1160	4	4
168	50.66	13.7	6.9	5.060	1380	3	3
376	60.35	13.6	8.2	6.035	1640	2	1
211	60.40	13.3	8.0	6.040	1600	1	2

10th May, 1966.

SOUTH AFRICAN SUGAR INDUSTRY

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PRE-RELEASE TRIAL (168, 539).

Catalogue No.: 120

This Crop: 2nd Ratoon.

Site: Westbrook Section, N.E.L.
Mt. Moriah.

Altitude: 400'

Soil Series: Dolerite, Shortlands.

Design: Random Block.

Variety: See treatments.

Fertilizer:

10 : 5 : 15 1200 lbs.

Water Regime: Furrow Irrigation.

Soil Analysis:

pH.	OM %	p.p.m.	
		P	K
6.5	4.36	14	179

Age: 12 months. (10/63 - 10/64)

Rainfall, this crop: 32.33"

Object: To test pre-release varieties.

Treatments:

1. N.51/539
2. N.51/168
3. N:Co.376
4. N.50/211

Results:

Variety	T.P.A.	% Sucrose	T.S.A.	T.P.A.M.	Lbs. S.A.M.	Rank	
						1	2
N.51/539	56.92	14.07	8.00	4.743	1333	3	3
N.51/168	46.33	13.85	6.41	3.861	1068	4	4
N:Co.376	66.91	13.63	9.11	5.576	1518	1	1
N.50/211	63.93	13.84	8.84	5.327	1474	2	2

12th May, 1966.

