

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Pre-Release Trial (168, 539)

Catalogue No: 121
This Crop: Plant
Site: Mt. Edgecombe Section, N.E.L.
Hiss Field
Altitude: 200'
Soil Series: Ecca, Winderemere
Design: Random block
Variety: See treatments
Fertilizer: 3:15:3 1,000 lbs.
15:0:15 1,200 lbs.
Water Regime: Furrow Irrigation

Soil Analysis:

<u>pH</u>	<u>OM %</u>	<u>ppm</u>	
		<u>P</u>	<u>K</u>
8.2	4.60	53	166

Age: 18 months (3/61 - 9/62)

Rainfall, this crop: 48.18"

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	59.5	15.7	9.3	3.305	1033	3	2
168	58.0	15.0	8.7	3.222	966	4	4
376	63.2	15.7	9.9	3.511	1100	1	1
211	61.8	14.5	9.0	3.433	1000	2	3

10th May, 1966.

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Pre-Release Trial (168, 539)

Catalogue No: 121
This Crop: 1st Ratoon
Site: Mt. Edgecombe Section, N.E.L.
Hiss Field
Altitude: 200'
Soil Series: Middle Ecca, Windermere
Design: Random block
Variety: See treatments
Fertilizer: 10:6:10 1,200 lbs.
Water Regime: Furrow Irrigation.

Soil Analysis:

<u>pH</u>	<u>OM %</u>	<u>ppm</u>	
		<u>P</u>	<u>K</u>
8.2	4.60	53	166

Age: 14 months (9/62 - 12/63)

Rainfall, this crop: 47.14"

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	36.95	14.82	5.5	2.639	786	3	3
168	35.12	15.02	5.3	2.508	757	4	4
376	51.10	15.05	7.7	3.650	1100	1	1
211	43.57	14.6	6.4	3.112	914	2	2

10th May, 1966.