

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Pre-release Trial (216)

Catalogue No: 136  
This Crop: Plant  
Site: Mt. Edgecombe Section, N.E.L.  
Hiss  
Altitude: 200'  
Soil Series: Eccca, Windermere  
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>
7.96	4.74	87	330

Age: 20 months (1/62 - 8/63)  
Rainfall, this crop: 55.68"

Object: To test Pre-release varieties.

Treatments:

1. N.53/216
2. N:Co.382
3. N:Co.376
4. N:Co.310

Results:

Variety	T.C.A.	Suc. %	T.S.A.	1 T.C.A.M.	2 Lbs. S.A.M.	Rank	
						1	2
216	69.00	15.41	10.63	3.450	1063	4	4
382	80.22	13.59	10.90	4.110	1090	2	3
376	84.20	13.90	11.70	4.210	1170	1	1
310	71.34	15.39	10.98	3.567	1098	3	2

9th May, 1966.

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Pre-release Trial (216)

Catalogue No.: 136  
This Crop: 1st Ratoon  
Site: Mt. Edgecombe Section, N.E.L.  
 Hiss  
Altitude: 200'  
Soil Series: Ecca Windermere  
Design: Random block  
Variety: See treatments  
Fertilizer: 10:5:15 1,200 lbs.  
Water Regime: Furrow Irrigation

Soil Analysis:

<u>pH</u>	<u>OM%</u>	<u>ppm</u>	
		<u>P</u>	<u>K</u>
7.96	4.74	87	330

Age: 14 months (8/63 - 10/64)

Rainfall, this crop: 38.76"

Object: To test pre-release varieties.

Treatments:

1. N.53/216
2. N:Co.382
3. N:Co.376
4. N:Co.310

Results:

Variety	T.C.A.	Suc.%	T.S.A.	1 T.C.A.M.		2 lbs. S.A.M.		Rank	
								1	2
216	50.2	15.51	7.79	3.586	1112	3	2		
382	49.1	15.26	7.49	3.507	1070	4	4		
376	52.2	14.53	7.58	3.728	1082	2	3		
310	53.1	16.29	8.65	3.793	1236	1	1		

9th May, 1966.