

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Pre-Release Trial (216)

Catalogue No: 134
This Crop: Plant
Site: Cornubia Section, N.E.L.
Tramline
Altitude: 400'
Soil Series: Red sands, Clansthal
Design: Random block
Variety: See treatments
Fertilizer: 3:15:3 1,000 lbs.
15:0:15 1,200 lbs.
Water Regime: Dryland

Soil Analysis:

<u>pH</u>	<u>OM %</u>	<u>ppm</u>	
		<u>P</u>	<u>K</u>
8.15	0.90	108	72

Age: 20 months (1/62 - 8/63)

Rainfall, this crop: 58.09"

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.	ppm	
						1	2
216	52.40	16.66	8.73	2.620	873	4	4
382	65.88	15.92	10.49	3.294	1049	2	2
376	67.01	15.79	10.58	3.350	1058	1	1
310	52.96	18.09	9.58	2.648	958	3	3

N.53/216 Variety Trials

In both the plant and 1st ratoon N.53/216 was outyielded, on the average by N:Co.376 and N:Co.382, but ran equal with N:Co.310.

This variety has fair stooling properties and sturdy sticks of medium height. Flowering is limited when compared with the profuse flowering of N:Co.310 and its parent N:Co.293.

10th May, 1966.

SOUTH AFRICAN SUGAR INDUSTRY

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Pre-Release Trial (216)

Catalogue No.: 134
This Crop: 1st Ratoon
Site: Cornubia Section, N.E.L.
Tramline
Altitude: 400'
Soil Series: Red Sands, Clansthal
Design: Random block
Variety: See treatments
Fertilizer: 10:5:15 1,200 lbs.
Water Regime: Dryland

Soil Analysis:

<u>pH</u>	<u>OM %</u>	<u>ppm</u>	
		<u>P</u>	<u>K</u>
8.15	0.90	108	72

Age: 15 months (8/63 - 11/64)

Rainfall, this crop: 43.28"

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	43.8	15.66	6.86	2.920	914	3	2
382	50.9	13.53	6.89	3.393	918	1	1
376	50.4	13.58	6.84	3.360	912	2	3
310	38.8	15.40	5.97	2.587	796	4	4

