

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Pre-release CB Variety Trial

Catalogue No: 174
This Crop: Plant Cane
Site: Waterbosch Section, C9b(V)
Altitude: 1,500 ft.
Soil series: Cartref
Design: Random Block, 4 reps.
Variety: Various
Fertilizer: 110 N; 106 P; 125 K
Water regime: Dryland

Soil Analysis:

<u>pH</u>	<u>OM%</u>	<u>Clay%</u>		
5.7	0.9			
ppm				
<u>P</u>	<u>K</u>	<u>Ca</u>	<u>Mg</u>	
62	332	2,459	205	
<u>Age:</u>	P - 20 months 10/62 - 7/64			
<u>Rainfall:</u>	65.72 ins.			

Object:

To compare C.B.36/14 and C.B.38/22 with the released varieties N:Co.293 and N:Co.376.

Treatments: N:Co.293, N:Co.376, C.B.36/14, C.B.38/22

Results:

Variety	T.C.A.	Suc.%	T.S.A.	TSA as % N:Co.293
N:Co.293	46.18	18.09	8.36	100
N:Co.376	45.47	16.52	7.52	90
C.B.36/14	48.82	16.40	8.02	96
C.B.38/22	30.36	18.62	5.66	68

Comments:

C.B.36/14 compares favourably in Tons Cane with both released varieties.

In Tons Sucrose C.B.36/14 compares favourably with N:Co.376 but the exceptionally high Sucrose per cane of N:Co.293 has resulted in its superior rating.

C.B.38/22 does not come up to the standard of the released varieties in either Tons Cane or Sucrose.

16th May, 1966.