

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Pre-release CB variety Trial

Catalogue No: 172
This Crop: Plant Cane
Site: Langespruit Section, L8b(V)
Doornkop Sugar Co.
Altitude: 2,100 ft.
Soil series: Inanda
Design: Random Block, 4 reps.
Variety: Various
Fertilizer: 120 N; 132 P; 150 K
Water regime: Dryland

Soil Analysis:

<u>pH</u>	<u>OM%</u>	<u>Clay%</u>
4.7	6.6	

ppm			
<u>P</u>	<u>K</u>	<u>Ca</u>	<u>Mg</u>
16	124	86	
<u>Age:</u>	P - 20 months 10/62 - 7/64		
<u>Rainfall:</u>	77.76 ins.		

Object:

To compare CB 36/14 and CB 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	60.84	15.28	9.29	100
N:Co.376	60.96	15.12	9.21	99
CB.36/14	60.84	15.21	9.25	100
CB.38/22	16.99	15.91	2.72	29

Comments:

Whereas the yields in both Tons Cane and Sucrose of C.B.36/14 compare very well with those of the released varieties, C.B.38/22 has not come up to standard as reflected in the exceptionally low yield of tons Cane and Tons Sucrose per acre.

16th May, 1966.