

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Pre-Release Trial (C.B.'s)

Catalogue No.: 126
This Crop: Plant
Site: Cornubia Section, Mount
Edgecombe, Tramline.
Altitude: 200'
Soil Series: Recent Sands,
Clansthal.
Design: Random Block.
Variety: See treatments.
Fertilizer:
3 : 15 : 3 1000 lbs.
15 : 0 : 15 1200 lbs.
Water Regime: Dryland.

Soil Analysis:

pH	OM %	p.p.m.	
		P	K
8.15	0.90	108	72

Age: 16 months (9/62 - 1/64).

Rainfall: 63.18"

Object: To test pre-release varieties.

Treatments: 1. N:Co.376.
2. N.50/211.
3. C.B. 36/14.
4. C.B. 38/22.

Results:

Variety	T.C.A.	Sucrose %	T.S.A.	1		2		Rank	
				T.C.A.M.	Lbs. S.A.M.	1	2		
N:Co.376	56.11	14.38	8.07	3.507	1008	1	1		
N.50/211	50.84	13.72	6.98	3.177	872	2	2		
C.B.36/14	47.48	12.34	5.86	2.967	732	3	3		
C.B.38/22	37.87	14.60	5.53	2.367	692	4	4		

C.B. Variety Trials

Although N:Co.376 and N.50/211 outyielded the C.B. varieties in most cases, C.B. 36/14 shows distinct promise and is clearly superior to C.B. 38/22.

Both C.B. varieties have a similar growth habit of limited stooling sturdy canes and broad leaves, although C.B. 36/14 has a slightly stronger stooling ability.

9th May, 1966.