AGRONOMISTS ' ASSOCIATION

PRE-RELEASE TRIAL (36/14, 38/22)

Catalogue No.: 131 This crop: Plant	Soil Analysis:
Site: Holwood Section Darnall	p.p.m.
Avenue West field	pH P K Ca Mg
<u>Altitude: 900'</u> Soil Series: T.M.S. Trevanian	418 23 60 325 210
Design: Random Block Variety: See treatments	
Fertilizer: Supers 8.3% P 800 lb./acre	<u>Age</u> : 22 months (10/62 - 7/64)
15:0:15 600 lb./acre 15:0:15 600 lb./acre <u>Water regime</u> : Dryland	<u>Rainfall</u> : 67.65"

Object: To test pre-release varieties

<u>Treatments</u>: 1. C.B. 36/14 2. C.B. 38/22 3. N:Co.376 4. N:Co.293

Results:

				1 2		1		Ra	Rank	
Variety	T.C.A.	Suc. %	T.S.A.	T.C.A.M.	lb. S.A.M.	l	2			
36/14	59.64	16.29	9.71	2.710	882	2	2			
38/22	49.38	17.34	8.56	2.244	778	4	4			
376	61.45	15.96	9.81	2.793	891	1	1			
293	54.20	15.98	8.66	2.463	787	3	3			

 $S.E. = \frac{+}{-} 6.06$ C.V. = 10.8 %

Conclusions: C.B. 36/14 holds a good second to N:Co.376 while C.B. 38/22 was outyielded by the other 3 varieties.

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PRE-RELEASE TRIAL (36/14, 38/22)

Catalogue No.: 131	Soil Analysis:
<u>This crop</u> : lst Ratoon <u>Site</u> : Holwood Section Darnall	p.p.m.
Avenue West field	pH P K Ca Mg
Altitude: 900'	4.8 23 60 325 210
Soil series: T.M.S. Tre v anian Design: Random Block	
Variety: See treatments	<u>Age</u> : 15 months (7/64 - 11/65)
Fertilizer:	
800 lb./ac. 15 : 0 : 15 lst Ratoon	
Water regime: Dryland	Rainfall: 45.72"

Object: To test pre-release varieties.

Treatments: 1. N:Co.293

- 2. C.B. 38/22
- 3. N:Co.376
- 4. C.B. 36/14

Results:

			· · · · · · · · · · · · · · · · · · ·	·1	2	R	ank
Variety	T.C.A.	Suc. %	T.S.A.	T.C.A.M.	lb. S.A.M.	1	2
293	26.00	11.76	3.058	1.733	408	4	4
38/22	34.43	12,82	4.414	2.295	588	3	3
376	39.04	13.25	5.173	2.603	690	1	l
36/14	36.42	12.26	4.456	2.428	596	2	2

S.E. = 2.811 C.V. = 8.275 % Treatment differences highly significant.

L.S.D. between treatments = 4.50 T.P.A. @ 5 % 6.46 T.P.A. @ 1 %

<u>Conclusions</u>: A good trial with 376 proving to be superior, and 36/14 outyielding 38/22 by an insignificant margin. N:Co.293 performed very poorly.

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PRE-RELEASE TRIAL (36/14, 38/22)

Mg 210

Object: To test pre-release varieties.

Treatments:	l.	N:Co.376
	2.	С.В.36/14
		C.B.38/22
	4.	N:Co.293

Results:

Warniatur	T.C.A. Suc. %			2 The	Rank		
Variety	T.U.A.	Suc. %	T.S.A.	T.C.A.M.	Lbs S.A.M.	1	2
N:Co.376	47.60	13.63	6.488	3.400	900	1	1
C.B.36/14	42.81	12.93	5•535	3.058	790	2	2
C.B.38/22	39.88	13.88	5•535	2.849	790	3	2
N:Co.293	37.81	12.78	4.832	2.701	690	4	3

S.E. [±] 4.364 C.V. = 10.38%

Difference between treatments not statistically significant.

The same yield trend has persisted in the 2nd ratoon with N:Co.376 retaining 1st place, and C.B.36/14 outyielding C.B.38/22 by an insignificant margin in tons cane per acre. C.B.38/22 has shown a consistantly higher sucrose per cent in all crops when compared with C.B. 36/14 and in this crop the two sucrose yields are equal.

13th February, 1967.

AGRONOMISTS' ASSOCIATION

Pre-Release Trial (36/14, 38/22)

<u>Cátalogue No.: 13/</u> <u>This crop</u> : 3rd Ratoon <u>Site</u> : Holwood Sect. Darnall Ave. West	<u>Soil</u> <u>pH</u> 4.8	<u>Analy</u> <u>O</u>	<u>sis</u> : <u>1%</u>	<u>Clay%</u>	
<u>Altitude</u> : 900' <u>Soil Series</u> : T.M.S. Trevanian		p •]	p.m.		
Design: Random Block. Variety: See Treatments	P	K	Ca	Mg	
<u>Fertilizer</u> : 4:1:6 1200 lbs/acre <u>Water Regime</u> : Dry land	Age: Rainf	all:			7/68)

Object: To test pre-release varieties.

<u>Treatments</u>: 1. N:Co. 376. 2. C.B. 36/14. 3. C.B. 38/22. 4. N:Co. 293.

Results:

	Variety	T.C.A.	Suc. %	T.S.A.	1.	2.	RA NK	
					T.C.A.M.	LBS. S.A.M.	1	2
	N:Co. 376	46.20	15.06	6.958	2.718	818	1	1
):	C.B. 36/14	38.30	15.56	5.959	2.253	702	4	4
	C.B. 38/22	41.20	15.89	6.547	2.424	770	3	2
	N:Co. 293	41.37	14.92	6.172	2.434	726	2	3

S.E. = + 5.135C.V. = 12.314% Difference between treatments not statistically significant.

Although yield differences are not statistically significant N:Co. 376 still maintains its superiority and the position of the C.B. varieties has reversed by a small margin as compared with the previous season.