

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Released variety trial

Catalogue No.: 141  
This crop: Plant  
Site: Stoney Hill section,  
Powerscourt.  
Altitude: 2500'  
Soil series: Inanda  
Design: Random block, 5 reps.  
Varieties: See treatments  
Fertilizer: N P K  
100 34 100  
Water regime: Dryland.

Soil Analysis: No samples taken  
Age: 22 mths. (11/57 - 9/59)  
Rainfall: 76.92"

Object: To compare the yields of eight released varieties.

Treatments: Co.331, N:Co.'s 292, 293, 310, 334, 339, 376, 382.

Results:

Variety	T.C.A.	Suc. %	T.S.A.
Co.331	42.2	14.00	5.89
N:Co.292	47.1	14.15	6.66
293	64.2	14.40	9.24
310	44.6	16.47	7.33
334	46.8	15.75	7.37
339	63.1	14.41	9.07
376	53.4	14.88	7.90
382	51.1	13.58	6.94
Mean	51.6	-	7.55
L.S.D. (0.05)	5.28	-	0.81
(0.01)	7.12	-	1.09
C.V. %	8.0	-	8.0

26th May, 1966.

SOUTH AFRICAN SUGAR INDUSTRY

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RELEASED VARIETY TRIAL

Catalogue No.: 141  
This crop: 1st Ratoon  
Site: Stoney Hill Section, Powers-  
court  
Altitude: 2500'  
Soil series: Inanda  
Design: Random Block, 5 replica-  
tions  
Varieties: See treatments  
Fertilizer:  
N P K

Soil Analysis: No samples taken

Age: 24 months (9/59 - 9/61)

Water regime: Dryland

Rainfall: 72.36"

Object: To compare the yields of eight released varieties.

Treatments: Co.331, N:Co's 292, 293, 310, 334, 339, 376, 382

Results:

Variety	T.C.A.	Suc. %	T.S.A.
Co.331	41.3	15.17	6.27
N:Co.292	43.4	15.94	7.07
N:Co.293	61.7	16.13	9.91
N:Co.310	38.3	19.21	7.35
N:Co.334	49.6	16.54	8.17
N:Co.339	61.1	16.15	9.78
N:Co.376	55.3	16.61	9.18
N:Co.382	50.7	15.16	7.62
Mean	50.2	16.14	8.17
S.E. single plot	± 8.05	± 0.98	± 1.73
L.S.D. (0.05)	10.43	1.24	2.24
(0.01)	14.07	1.68	3.02
CV %	21.2	6.1	16.1