

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Released variety trial

Catalogue No.: 157
This crop: Plant
Site: Nkwali section, Illovo.
Altitude: 200'
Soil series: Shortlands
Design: Random block, 4 reps.
Varieties: See treatments
Fertilizer: N P K
Not recorded
Water regime: Dryland.

Soil Analysis: No samples taken

Age: 20 mths. (11/56 - 7/58)

Rainfall: 88.27"

Object: To compare the yields of seven released varieties.

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

Results

Variety	T.C.A.	Sue. %	T.S.A.
N:Co.292	62.1	14.15	8.73
293	73.5	12.31	9.03
310	68.5	14.19	9.73
334	39.7	14.32	5.37
339	72.0	15.03	10.69
376	81.2	12.14	9.90
382	68.4	12.78	8.68
Mean	66.5	13.56	8.88
L.S.D. (0.05)	14.40	-	2.08
(0.01)	19.73	-	2.86

27th May, 1966.

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Released variety trial

Catalogue No.: 157
This crop: 1st Ratoon
Site: --Nkwali section, Illovo.
Altitude: 200'
Soil series: Shortlands
Design: Random block, 4 reps.
Varieties: See treatments
Fertilizer: N P K
 ? ? ?
Water regime: Dryland

Soil Analysis: No samples taken
Age: 24 mths. (7/58 - 6/60)
Rainfall: 61.80"

Object: To compare the yields of seven released varieties.

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

Results:

Variety	T.C.A.	Sue. %	T.S.A.
N.Co. 292	43.7	15.49	6.74
293	52.7	13.65	7.19
310	49.1	16.54	8.10
334	31.5	16.16	5.14
339	55.9	16.30	9.12
376	55.3	14.61	8.14
382	54.7	13.65	7.49
Mean	49.0	-	7.42
S.E. single plot	±9.22	-	±1.49
L.S.D. (0.05)	13.69	-	2.21
(0.01)	18.76	-	3.03
C.V. %	18.8	-	20.1

27th May, 1966.

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Released variety trial

<p>Catalogue No.: 157 <u>This crop:</u> 1st Ratoon <u>Site:</u> Nkwali section, Illovo. <u>Altitude:</u> 200' <u>Soil series:</u> Shortlands <u>Design:</u> Random block, 4 reps. <u>Varieties:</u> See treatments <u>Fertilizer:</u> N P K ? ? ? <u>Water regime:</u> Dryland</p>	<p><u>Soil Analysis:</u> No samples taken <u>Age:</u> 24 mths. (7/58 - 6/60) <u>Rainfall:</u> 61.80"</p>
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Object: To compare the yields of seven released varieties.

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

Results:

Variety	T.C.A.	Sue. %	T.S.A.
N.Co.292	43.7	15.49	6.74
293	52.7	13.65	7.19
310	49.1	16.54	8.10
334	31.5	16.16	5.14
339	55.9	16.30	9.12
376	55.3	14.61	8.14
382	54.7	13.65	7.49
Mean	49.0	-	7.42
S.E. single plot	±9.22	-	±1.49
L.S.D. (0.05)	13.69	-	2.21
(0.01)	18.76	-	3.03
C.V. %	18.8	-	20.4

27th May, 1966.

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Released variety trial

Catalogue No.: 157
This crop: 2nd Ratoon
Site: Nkwali section, Illovo.
Altitude: 200'
Soil series: Shortlands
Design: Random block, 4 reps.
Varieties: See treatments
Fertilizer: N P K
 ? ? ?
Water regime: Dryland

Soil Analysis: No samples taken
Age: 24 mths. (6/60 - 7/62)
Rainfall: 82.70"

Object: To compare the yields of seven released varieties.

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

Results:

Variety	T.C.A.	Sue. %	T.S.A
N:Co.292	47.8	14.3	6.90
293	51.7	14.2	7.37
310	64.9	16.0	10.33
334	41.9	15.6	6.48
339	56.3	15.3	8.72
376	67.7	14.9	10.08
382	60.7	12.7	7.74
Mean	55.9	14.7	8.23
S.E. single plot	±10.22	±1.41	±1.68
C.V. %	18.3	9.6	20.4

27th May, 1966.