

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

SPACING x VARIETY EXPERIMENT

Catalogue No: 164
 This crop: Plant
 Site: Canonby, I.S.E. *2*
 Altitude: 300'
 Soil series: Dwyka.
 Design: Random block, 6 reps.
 Varieties: N:Co.'s 339, 376, 382
 Fertilizer:
 N = 100 lb./ac.
 P = 10 tons filter cake
 K = 200 lb./ac.
 Water regime: Dryland

Soil Analysis: No samples taken
Age: 29 months (1/59 - 6/61)
Rainfall: 89.40"

Object: To compare three varieties at two row spacings.

Treatments: S1 = 3'6" V1 = N:Co.339
 S2 = 4'6" V2 = N:Co.376
 V3 = N:Co.382

Results:

Spacing	T.C.A.	T.S.A.
3'6"	66.4	8.32
4'6"	73.5	9.00
Mean	69.9	(8.66)
S.E.	± 9.44	± 1.32
CV %	13.5	15.2
L.S.D. (.05)	6.48	0.91
(.01)	8.76	1.23

*164
60/61*

30th November, 1966.

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SPACING x VARIETY EXPERIMENT

Catalogue No: 164
This crop: 1st Ratoon
Site: Canonby, I.S.E.
Altitude: 300'
Soil series: Dwyka
Design: Random block, 6 reps.
Variety: N:Co.'s 339, 376, 382
Fertilizer: Not recorded
Water regime: Dryland

Soil Analysis: No samples taken
Age: 25 months (6/61 - 7/63)
Rainfall: 93.65"

Object: To compare three varieties at two row spacings.

Treatments: S1 = 3'6" V1 = N:Co.339
 S2 = 4'6" V2 = N:Co.376
 V3 = N:Co.382

Results:

Spacing	T.C.A.	Suc. %	T.S.A.	Purity	Fibre %
3'6"	44.5	15.49	6.91	91.66	15.49
4'6"	47.8	15.26	7.28	92.39	16.46

164
62/63

30th November, 1966.