

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

FREQUENCY OF WEEDING X VARIETIES

Catalogue No: 168
This crop: Plant
Site: Canonby Section, Illovo
Altitude: 300'
Soil series: Waldene
Design: Split plot, 6 replications
Variety: N:Co.'s 310, 376, 382
Fertilizer: N P K
100 133 210

Soil Analysis: No samples taken

Age: 24 months (8/58 - 8/60)

Water regime: Dryland

Rainfall: 61.84"

Object: To compare three frequencies of weeding for three varieties of sugarcane.

Treatments: A : Weed every 7 days
B : Weed every 21 days
C : Weed every 63 days

Results:

19/60
16f

Treatment	T.C.A.	Suc. %	T.S.A.
A	63.1	16.6	10.48
B	61.2	16.8	10.23
C	51.3	17.2	8.83
L.S.D. (0.05)	5.49	-	0.96
(0.01)	7.81	-	1.36

Comment: For details of experiment see: Thompson, G.D. (1961) A Weed experiment at Illovo. Proc. S.A. Sugar Technologists' Association 35th Annual Congress. pp. 145 - 150