

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Filter cake x molasses trial

Catalogue No: 15
This crop: P, 1R.
Site: Lot 17, Mwine
Altitude: 300'
Soil series: Clansthal
Design: Random block
Variety: N:Co.339
Fertilizer: N P K
P AN 400 300
1R Urea 400 300
Water regime: DryLand

Soil Analysis:

	<u>pH</u>	<u>Clay%</u>		
P	6.43			
1R				
	<u>ppm</u>			
	p	K	Ca	Mg
P	248	169	680	
1R				

Age: P 20 M March 1959-Nov. 1960
RI 25 M Nov. 1960 - Dec. 1962
Rainfall: P : 63.85" RI : 79.54"

Object:

To compare the effects of filter cake and molasses, alone and in combination, with a control.

Treatments: X Control
A Molasses 1,500 G.P.A.
B Filter press 40 T.P.A.
C Molasses 1,500 G.P.A. + Filter press 40 T.P.A.

Results: Whole experiment sterilised with 2.25 EDB before planting.

Treatments	T.e.A.		Sucrose %		T.S.A.	
	Plant	1 R.	Plant	*1 R.	P'lant	*1 R.
Control	65.8	42.6	14.5		9.55	1
A Molasses 1,500 G.P.A.	63.5	43.6	14.2		9.03	1
B Filter Press 40 T.P.A.	62.1	47.2	14.4		8.94	
C Mol. 1,500 G.P.A. + F. Press 40 T.P.A.	63.4	44.4	14.3			

* No sucrose tests on 1st Ratoon Cane.