

SOUTH AFRICAN SUGAR INDUSTRY
AGRONOMISTS' ASSOCIATION

CHICKEN MANURE EXPERIMENT

Catalogue No: 11
This crop Plant cane
Site Lower Compound, Frosterley
Altitude 400'
Soil series Cartref
Design Random Block
Variety N.Co. 376
Fertilizer Urea S.Phos. Mr. of P
P 225 400 200
Water Regime: Dryland

Soil Analysis:

<u>pH</u>	<u>OM%</u>	<u>Clay%</u>
5.40	0.081	
<u>p. p. m.</u>		
<u>P</u>	<u>K</u>	<u>Ca</u>
26	139	146
		<u>Mg</u>
		220

Age: 28 months Mar. '60 - July '62

Rainfall: 80.78"

Irrigation:

Subject: To study the effects of different amounts of chicken manure on cane yield

Treatments: X = Control no manure
A = $\frac{1}{2}$ T.P.A. Chicken manure
B = 1 T.P.A. " "
C = 4 T.P.A. " "

Results:

TREATMENT	ToC.A.	% SUCROSE	ToSoA.
CONTROL	44.2	13.24	5.88
CHICKEN MANURE $\frac{1}{2}$ T.P.A.	45.2	13.52	6.11
CHICKEN MANURE 1 T.P.A.	44.2	13.17	5.81
CHICKEN MANURE 4 T.P.A.	37.2	12.98	4.82