SOUTH AFRICAN SUGAR INDUSTRY
AGRONOMISTS' ASSOCIATION.

PIG MANURE EXPERIMENT.

Catalogue No.: 10
This Crop: P, 1R
Site: Sewraj, Tongaat.
Altitude: 200'
Soil Series: Clanstha1
Design: Random Block
Variety: N:Co.382
Fertilizer:

	Urea	S. Phose	Mur. of P.
P	150		
lR	300		200

Water Regime: Dry Land.

Soil Analysis:

	pH	OM%	Clay%
P	6.40	0.65	
1R	5.00	4.00	

p.p.m.

	P	K	Ca	Mg
P	53	451	196	140
1R	28	69	530	54

Age: P 22 mths. = Mar. '61 - Jan. '63
1R 17 mths, = Jan. '63 - July '64

Rainfall: P 63.75"
1R 56.62"

Object: To compare the effects of different amounts of pig manure on cane yields.

Treatments:
A = Control
B = Pig manure 2 Tons Per Acre
C = " " 5 " " "
D = " " 10 " " "
E = " " 20 " " "
F = Compost 20 " " "
G = F. Press 40 " " " + 1500 G.P.A. Molasses.

Results:

	PLANT CANE			FIRST RATooN		
Treatments	T.C.A.	Sucrose %	T.S.A.	T.C.A.	Sucrose %	T.S.A.
Control	39.3	13.57	5.34	34.1	13.52	4.61
Pig Manure 2 T.P.A.	41.5	12.96	5.38	23.9	13.31	3.18
" " 5 T.P.A.	36.7	13.03	4.78	31.4	13.71	4.30
" " 10 T.P.A.	39.3	13.64	5.37	33.6	13.77	4.63
" " 20 T.P.A.	42.9	13.56	5.81	35.1	13.26	4.65
Compost 20 T.P.A.	41.1	13.73	5.67	36.2	13.68	4.95
F. Press 40 T.P.A. Molasses 1500 G.P.A.	35.0	13.20	4.61	36.4	13.62	4.96