

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

AGE AT HARVEST EXPERIMENT

<u>Catalogue No.</u> :	166	<u>Soil Analysis</u> :	Nil
<u>I.S.E. Code</u> :	Expt. Plot 6	<u>Age</u> :	See treatments.
<u>This crop</u> :	Plant		
<u>Site</u> :	Stoney Hill P/Court		
<u>Altitude</u> :	2500 ft.		
<u>Soil type</u> :	T.M.S. Mist Belt.		
<u>Design</u> :	3 x 4 x 4 Factorial		
<u>Variety</u> :	See treatments		
<u>Fertilizer</u> :	Furrow Topdress		
	10 ton FC 6.2.56.		
	66 lbs N 66 lbs N		
	120 lbs K20 120 lbs K20		
<u>Water regime</u> :	Dryland.		

Object: To test the effect of age on cane yields.

Treatments: Varieties NCo 293, NCo 339, Co 331.

Date of planting : 2.11.56.

<u>Age in months</u>	<u>Date of harvest</u>
20	9. 7.58.
24	2.11.58.
28	2. 3.59.
32	2. 7.59.
36	2.11.59.

Results: (Means)

Age	T.C.A.			Suc. %			Purity			Fibre %		
	331	293	339	331	293	339	331	293	339	331	293	339
20	66.0	83.5	92.6	10.4	13.2	11.8	80.1	86.4	82.5	10.3	8.2	9.3
24	58.2	79.0	86.9	12.5	13.4	13.4	90.7	92.2	91.0	16.2	12.7	11.1
28	56.9	82.8	66.3	11.1	13.1	14.4	88.7	90.8	92.4	12.8	10.1	10.8
32	62.7	66.6	55.8	12.5	15.0	14.6	91.5	94.3	94.4	13.1	11.1	11.6
36	48.2	53.1	42.4	13.4	11.8	14.4	91.6	85.8	90.9	13.8	12.0	12.3