SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

TIMES OF HARVESTING VI

Catalogue No.: 84
This Crop: P, 1R, 2R, 3R
Site: Sital, Inyaninga.
Altitude: 300'
Soil Series: Windermere
Design: Random Block
Variety: N.50/211
Fertilizer: See Treatment
Water Regime: Dryland.

Soil Analysis:

	pH	OM%	Clay%
P	-	-	-
1R	5.54	7.84	40.9
2R	5.38	7.74	40.4
3R	5.22	7.81	47.8

	p.p.m.			
	P	K	Ca	Mg
P	-	-	-	-
1R	48	100	1456	679
2R	53	131	1389	689
3R	43	121	1367	761

Age: 12 Months: P - Oct. '62 - Oct. '63
1R - Oct. '63 - Oct. '64
2R - Oct. '64 - Oct. '65
3R - Oct. '65 - Oct. '66
18 Months: P - Oct. '62 - May '64
1R - May '64 - Oct. '65
2R - Oct. '65 - May '67
3R - -
24 Months P - Oct. '62 - Oct. '64
1R - Oct. '64 - Oct. '66
2R - -
3R - -

Rainfall: 12 months: P - 45.50"
1R - 35.63"
2R - 32.32"
3R - 25.41"
18 months: P - 61.56"
1R - 37.85"
2R - 53.06"
3R - -
24 months: P - 77.13"
1R - 57.70"
2R - -
3R - -

Object: To compare 12, 18 and 24 - month harvesting cycles.

Treatments:

	P			1R			2R			3R		
AGE	UREA	SUPERS	POTASH	L.A.N.	SUPERS	POTASH	L.A.N.	SUPERS	POTASH	UREA	D/SUPERS	POTASH
12 months	300	300	200	500	500	180	500	250	100	200	100	100
18 months	300	300	200	750	375	200	Urea 300	D/S 150	200	200	100	200
24 months	300	300	200	1000	500	200	Urea 500	D/S 200	300	-	-	-

Results:

	P			1R			2R			3R		
AGE	T.C.A.	% SUC.	T.S.A.	T.C.A.	% SUC.	T.S.A.	T.C.A.	% SUC.	T.S.A.	T.C.A.	% SUC.	T.S.A.
12 months	41.7	13.70	5.71	26.2	13.39	3.51	15.9	11.08	1.76	20.3	13.61	2.76
18 months	45.7	13.49	6.26	21.2	12.85	2.72	44.2	12.53	5.54	-	-	-
24 months	59.1	12.90	7.62	38.8	13.44	5.21	-	-	-	-	-	-