

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

TIMES OF HARVESTING I

Catalogue No.: 81
This Crop: P, 1R, 2R.
Site: Oliver, Umhloti Valley.
Altitude: 400'
Soil Series: Windermere.
Design: Random Block.
Variety: N.50/211
Fertilizer: See Treatments.

Soil Analysis:

	pH	OM%	Clay%
P	-	-	-
1R	5.84	1.49	13.0
2R	5.23	2.70	15.0

p.p.m.

	P	K	Ca	Mg
P	-	-	-	-
1R	35	46	392	131
2R	27	78	375	129

Age:

- 12 months: P - Oct. '62 - Oct. '63
1R - Oct. '63 - Oct. '64
2R - Oct. '64 - Oct. '65
- 18 months: P - Oct. '62 - May '64
1R - May '64 - Oct. '65
2R - -
- 24 months: P - Oct. '62 - Oct. '64
1R - -
2R - -

Rainfall:

- 12 months: P - 36.17
1R - 25.99
2R - 35.25
- 18 months: P - 56.43
1R - 41.99
2R - -
- 24 months: P - 62.17
1R - -
2R - -

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

Treatments:

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

Results:

	P			1R			2R		
AGE	T.C.A.	% SUC.	T.S.A.	T.C.A.	% SUC.	T.S.A.	T.C.A.	% SUC.	T.S.A.
12 months	38.4	13.68	5.25	40.0	15.92	6.37	22.2	13.75	3.05
18 months	67.7	12.25	8.29	21.5	13.76	2.96	-	-	-
24 months	38.4	15.75	6.05	-	-	-	-	-	-