

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

POTASH TRIAL

Catalogue No.: 49  
This crop: 1R  
Site: 149 Sputa Road Sinimbe  
Altitude: 600'  
Soil series: T M S  
Design: Random block - 4 reps.  
Variety: N.50/211  
Fertilizer: See below  
Water regime: Dryland

Soil Analysis:

	<u>pH</u>	<u>OM%</u>	<u>Clay%</u>
1R	5.4	1.56	9%

	<u>p.p.m.</u>			
	<u>P</u>	<u>K</u>	<u>Ca</u>	<u>Mg</u>
1R	34	52	1304	54

Age: 1R 13 mths. Dec.62 - Jan. 64.  
Rainfall: 1R 46.73

Object: To compare five levels of K with a control.

Fertilizer &

Treatments : 1st Ratoon

(LAN) 100lbs N/ac.  
(SP) 83lbs P/ac.  
(MP) K<sub>0</sub> 0lbs K/ac.  
K<sub>1</sub> 50lbs K/ac.  
K<sub>2</sub> 100lbs K/ac.  
K<sub>3</sub> 150lbs K/ac.  
K<sub>4</sub> 200lbs K/ac.  
K<sub>5</sub> 250lbs K/ac.

Results:

Treatment	T.C.A.	Suc. %	T.S.A.
K <sub>0</sub>	28.5	13.66	3.89
K <sub>1</sub>	27.7	13.16	3.67
K <sub>2</sub>	24.4	12.90	3.15
K <sub>3</sub>	25.7	13.77	3.54
K <sub>4</sub>	27.0	13.92	3.76
K <sub>5</sub>	30.5	13.49	4.11