

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Variety Trial with N.50/211

Catalogue No: 64  
This crop: P, 1R, 2R  
Site: Hlafuna, Sibudu  
Altitude: 400'  
Soil: Cartref  
Design: Random Block  
Variety: N:Co.382, 376, 339  
           N.50/211  
Fertilizer:       N       P       K  
 Plant : Urea   225   300   200  
 1R    :   "     400   300   250  
 2R    : L.A.N. 800   300   250

Soil Analysis:  
                   pH   OM %   Clay%    ppm  
                                   P    K    Ca   mg  
 P   5.01   1.23   -    10   101   420   321  
 1R  5.05   1.30   -     9    38   590   740  
 2R  5.20   2.20   -     9    68   330    72

Age:  
 P   = 19M   Nov. 1959 - June 1961  
 1R  = 25M   June 1961 - July 1963  
 2R  = 24M   July 1963 - Aug. 1965  
Rainfall: P : 72.42"   1R : 74.79"  
                   R<sub>2</sub> : 65.56"

Object:

To compare the yields of four released varieties.

Results:

Item	Crop	N:Co.382	N:Co.376	N:Co.339	N.50/211
T.C.A.	P	58.7	69.0	52.5	66.2
	1R	40.3	50.8	45.9	46.1
	2R	32.6	24.2	17.0	34.7
Suc. %	P	13.1	13.0	12.6	12.6
	1R	14.6	13.1	13.7	14.6
	2R	13.7	11.1	12.9	12.5
T.S.A.	P	7.64	8.93	6.59	8.38
	1R	5.89	6.67	6.29	6.74
	2R	4.47	2.69	2.19	4.34

30th May, 1966.