

SOUTH AFRICAN SUGAR INDUSTRY

AGRONOMISTS' ASSOCIATION

Pre-release N.53/216 Variety trial.

Catalogue No: 169
This Crop: 1st Ratoon
Site: Langspruit Section, L15(Z)
 Doornkop Sugar Co. Ltd.,
Altitude: 1,900 ft.
Soil Series: Inanda
Design: 4 x 4 Latin Square
Variety: Various
Fertilizer: 100 N; 0 P; 125 K
Water regime: Dryland

Soil Analysis:

pH OM% Clay%
 5.5 4.5

ppm

P	K	Ca	Mg
66	278	1029	332

Age: R1 - 13 months 10/63 - 10/64
 P - 20 " 1/62 - 10/63
Rainfall: R1 - 39.40" P - 71.23"

Object:

To compare N53/216 with the released varieties N.50/211, N:Co.376 and N:Co.293.

Treatments: N:Co.293, N:Co.376, N.50/211 and N.53/216

Results:

Crop	1st Ratoon				Plant			
	Variety	T.C.A.	Suc.%	T.S.A.	TSA as % N:Co.376	T.C.A.	Suc.%	T.S.A.
N:Co.293	45.00	14.35	6.46	100	68.37	14.75	10.06	100
N:Co.376	44.68	14.19	6.34	98	68.76	15.69	10.77	107
N.50/211	47.07	14.19	6.68	103	66.62	14.92	9.95	99
N.53/216	45.00	14.91	6.71	104	61.78	15.76	9.74	97

Comments:

N.53/216 has maintained the standard for tons cane set by the released varieties in 1st Ratoon.

The very encouraging Sucrose % of N.53/216 has resulted in this varieties high rating in both Plant and 1st Ratoon crops.

16th May, 1966.