

SOUTH AFRICAN SUGAR INDUSTRY
AGRONOMISTS' ASSOCIATION

Code NT30/81/R
Cat. No.: 1324

Title: Nematicide screening

1. Particulars of the project

<u>This crop</u>	1st ratoon
<u>Site</u>	Kijabe-Groutville
<u>Region</u>	N. Coast coastal
<u>Soil system</u>	Berea
<u>Soil form/series:</u>	Fernwood/Fernwood
<u>Design</u>	Latin square
<u>Variety</u>	N8
<u>Fertilizer/</u>	N P K
<u>Ameliorants</u>	
9/2/83	141 191
15/3/83	Broadcast 2 t/ha Dolomitic lime.

<u>Soil analysis:</u>	Date:									
<u>pH</u>	<u>OM%</u>	<u>Clay %</u>	<u>P.D.I.</u>							
4,9		7								
ppm										
<u>P</u>	<u>K</u>	<u>Ca</u>	<u>Mg</u>	<u>Zn</u>	<u>Al</u>					
32	31	85	29	0,4	16					
<u>Age:</u>	16,9 months	<u>Dates:</u>	29/11/82-27/4/84							
<u>Rainfall:</u>	1626 mm	<u>LTM:</u>	1632 mm							
<u>N</u>	<u>D</u>	<u>J</u>	<u>F</u>	<u>M</u>	<u>A</u>	<u>M</u>	<u>J</u>	<u>J</u>	<u>A</u>	<u>S</u>
	114	57	41	78	10	28	12	67	58	7
<u>o</u>	<u>N</u>	<u>D</u>	<u>J</u>	<u>F</u>	<u>M</u>	<u>A</u>				
99	194	142	270	237	103	106				

2. Objectives

- To compare the efficacy of Temik and Curaterr under various conditions.
- To determine the efficacy of Temik when applied on top of trash and when applied under trash.
- To assess the efficacy of a foliar applied nematicide produced by Marshall on ratoon cane.

3. Treatments

- | | |
|---|--|
| 1. Control | } Same treatments as in plant crop |
| 2. Temik 20 kg/ha | |
| 3. Curaterr 30 kg/ha | |
| 4. Temik 20 kg/ha - under trash | } Re-randomised on treatments to plant crop. |
| 5. Temik 20 kg/ha - over trash | |
| 6. Marshal 25% EC - 10,5 l/ha - to cane foliage | |