

Earth Life Pty. Ltd.  
**RESEARCH REPORT**

**Effect of Earthlife Minerals Plus on Sugar Cane**

Trial conducted by D.E. & J.A. Gleeson, Agricultural Consultant

<b>AIM:</b>	To establish the effect of Earthlife Minerals Plus on the yield of “Plant” and “Ratoon” cane.					
<b>PROCEDURE:</b>	Treat soil prior to planting “Plant “ cane and retreat each “ratoon”.					
<b>TREATMENTS:</b>	<p>Randomised Blocks 5 treatments x 6 replicates.</p> <p>Treatment 1 ELM PLUS 900 kg/ha</p> <p>Treatment 2 ELM PLUS 700 kg/ha</p> <p>Treatment 3 ELM PLUS 600 kg/ha</p> <p>Treatment 4 ELM PLUS 300 kg/ha</p> <p>Treatment 5 Control</p>					
<b>ASSESSMENT:</b>	<b>RAW RESULTS</b>					
<b>ASSESSMENT:</b>	<b>TREATMENT - 1</b>					
	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6
	7.68	7.39	7.53	7.14	6.87	6.81
<b>ASSESSMENT:</b>	<b>TREATMENT - 2</b>					
	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6
	7.33	6.96	6.8	7.49	8.25	7.66
<b>ASSESSMENT:</b>	<b>TREATMENT - 3</b>					
	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6
	7.47	7.94	7.71	6.55	6.27	6.31

<b>ASSESSMENT: continued</b>	<b>TREATMENT - 4</b>							
	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6		
	6.8	6.44	6.51	6.5	6,37	6.49		
<b>ASSESSMENT:</b>	<b>TREATMENT - 5</b>							
	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6		
	6.31	6.26	6.65	6.71	7.73	6.87		
<b>ANALYSIS:</b>	<u>Block</u>	<u>Treat 1</u>	<u>Treat 2</u>	<u>Treat 3</u>	<u>Treat 4</u>	<u>Treat 5</u>	<u>Total</u>	
	1	7.68	7.33	7.47	6.8	6.31	35.59	
	2	7.39	6.96	7.94	6.44	6.26	34.99	
	3	7.53	6.8	7.71	6.51	6.65	35.2	
	4	7.14	7.49	6.55	6.5	6.71	34.39	
	5	6.87	8.25	6.27	6.37	7.73	35.49	
	6	6.01	7.66	6.31	6.49	6.87	33.34	
	<b>Total</b>	<b>42.62</b>	<b>44.49</b>	<b>42.25</b>	<b>39.11</b>	<b>40.53</b>	<b>209</b>	
	<b>SS</b>	<b>304.59</b>	<b>331.24</b>	<b>300.31</b>	<b>255.34</b>	<b>1466.67</b>		
	$CF = \frac{[209]^2}{30} = 1456.03$							
	$Block\ SS = \frac{7283.76 - CF}{5} = 0.72$							
$Treat.\ SS = \frac{8753.15 - CF}{6} = 4.5$								
$Total\ SS = 1466.67 - 1456.03 = 10.64$								
<u>Analysis of Variance</u>								
Source	D.F.	SS	MS	F				
Block	5	0.72						
Treatment	4	4.5	1.12	sig				
Error	20	5.42	0.271					
Total	29	10.64						

