

PHYTOTOXIN BIOASSAY (PAS 100)

Sample code: *Plate to Plate*
 Date test started: *14/2/18*
 Date test completed: *14/3/18*

	<u>CGW</u>		<u>Sphagnum peat</u>		<u>Control</u>				
%	25		75		100%				
Litres	1.125		3.375		4.5				
Weight (g)	474		1050		1400				
Dolomitic limestone (g)			13.5		18				
Fertiliser (g)	← 4.8g →				4.8				
Bulk density (g/l)	421		311		311 (EC=44)				
Total fresh weight (g) of tomato plants per tray at 28 days and average per tomato plant									
	Total		Average						
Control 1	41.58	4.158	Test 1	34.87	4.359				
Control 2	40.79	4.079	Test 2	42.37	4.237				
Control 3	42.61	4.261	Test 3	42.32	4.232				
Total number of tomato plants per tray									
	10 days			14 days			28 days		
Control 1	10	10	10	Test 1	8	8	8		
Control 2	10	10	10	Test 2	10	10	10		
Control 3	10	10	10	Test 3	10	10	10		
% sample germination based as a % of the control									
	10 days		14 days		28 days				
Test 1	80	80	80		80				
Test 2	100	100	100		100				
Test 3	100	100	100		100				
Vigour (0=zero: 5 = strong)									
	14 days		28 days						
Control 1	5	5	Test 1	4	5				
Control 2	5	5	Test 2	4	5				
Control 3	5	5	Test 3	4	5				
Weed counts									
<i>None</i>									
Comments									
<i>This sample would pass. Plant were staller & darker @ 14 days, but by 28 days they were fine. Despite ec of 2178 µs/cm</i>									

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JDave
 14/3/18