

AGRIWRIGHT LIMITED

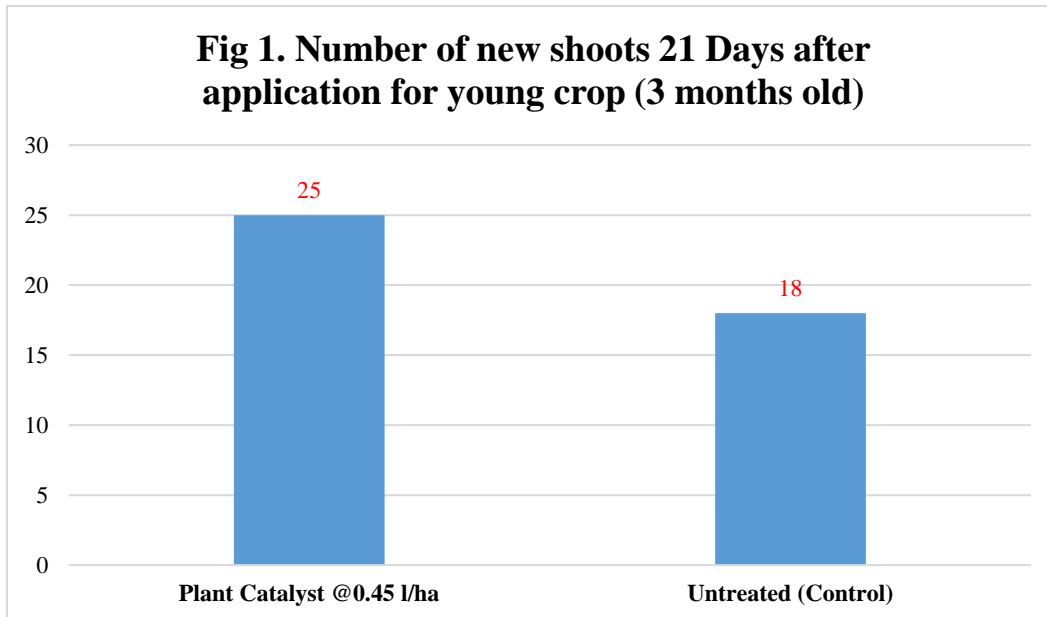
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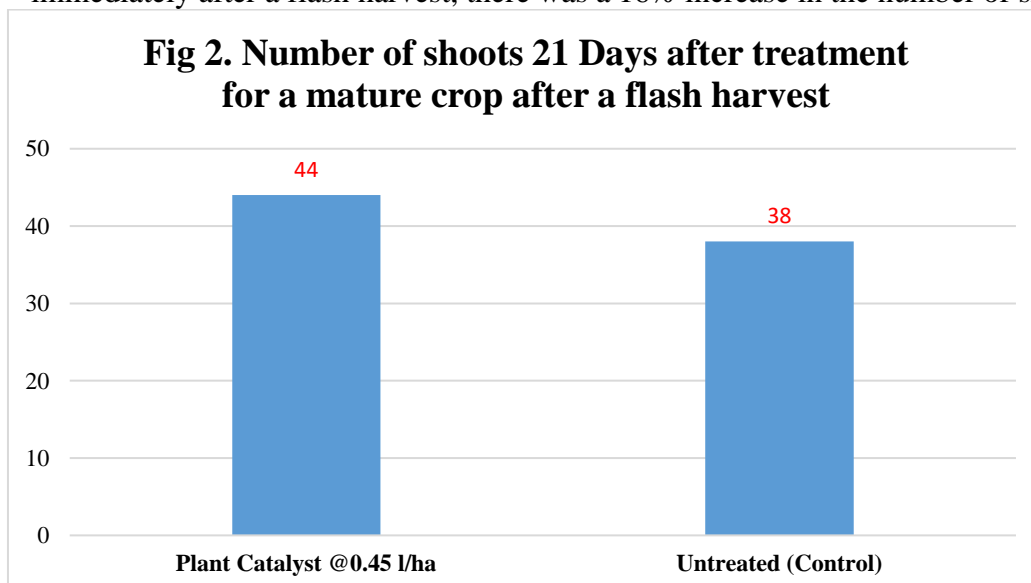
Title	EVALUATION OF PLANT CATALYST® ON GROWTH OF ROSES			
Crop	Rose; Variety Copa Cabana (3 month old crop and a mature crop)			
Test product (s)	PLANT CATALYST® (nutrient adsorption enhancer)			
Rates of test product to be tested	See table below			
Number of applications and intervals	1 application per week (total 3 applications)			
Plot size	120m ² (0.012ha)			
Replications	3 Replication			
Experimental Design	Completely Randomized Design			
Sites	Simbi Roses, Thika farm			
Evaluation dates	Efficacy 28 days after the first application			
Evaluation parameters	Number of new viable shoots per square metre ²			
Application	Application Method	Foliar		
	Application Equipment	Knapsack (at least 10lts volume capacity)		
	Application Pressure	3 bars		
	Nozzle type	Yellow (hollow cone size 12)		
	Application Volume	10 litre per 120m ² area		
	Application Interval	7 days		
Maintenance treatment	All other crop husbandry done as per Standard Procedures			
Treatment	Products	Active Ingredient	Rates / Ha	
1	Plant Catalyst®	Unknown	0.45 l/ha	
2	Untreated (Control)	N/A	N/A	

Results

- In young crop of 3 months old, when Plant Catalyst® was applied at 0.45 l/ha there was a 39% increase in number of shoots.



- In mature crop, when Plant Catalyst® was applied at 0.45 l/ha, which was applied immediately after a flash harvest, there was a 16% increase in the number of shoots.



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Fig 3. A=Area not applied; B=Area applied with Plant Catalyst® at 0.45 l/ha

Discussion and conclusion

Based on this study, Plant Catalyst® applied at 0.45 l/ha increased the number of viable shoots, which translated to better yields. Although data on yields was not recorded, it was evident that Plant Catalyst® increased the number of stems harvested. There was also an observed early maturity of growth on area applied with Plant Catalyst®, this needs to be studied in subsequent trials. This study was conducted in one rose variety (Copa Cabana) there is therefore need to conduct more studies in other rose varieties. Plant Catalyst® offers an opportunity for rose grower to increase their yields without additional of other inputs such as fertilizers.

Report By:
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For Agriwright Limited