

# T.O.G<sup>®</sup>-STAR

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A uniquely formulated post-harvest dipping solution, specifically developed to control Botrytis in roses.



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# **T.O.G<sup>®</sup>-STAR**

- ★ Prochloraz 90g/L SC Suspension concentrate
- ★ Prochloraz is an Imidazole fungicide
- ★ The mode of Action is by inhibiting Ergosterol biosynthesis in fungal cell walls



# **T.O.G<sup>®</sup>-STAR**

- ★ Translaminar material gives both protectant and curative activity
- ★ Broad Spectrum fungicide



# T.O.G<sup>®</sup>-STAR Dipping

- ★ Pour the measured amount of water into a clean big container.
- ★ Add T.O.G<sup>®</sup>-STAR at the recommended rate of 0.5% (50ml/10L)

At the beginning of the day, start by dipping in a new solution



# T.O.G<sup>®</sup>-STAR Dipping

- ★ For varieties highly sensitive to Botrytis—  
It is recommended to use a rate of 0.3%  
(30ml/10L) even during periods of the  
year when Botrytis levels are low.



# T.O.G<sup>®</sup>-STAR Dipping

- ★ Dip the cut roses diagonally to ensure good coverage and avoid physical damage.



# T.O.G<sup>®</sup>-STAR Dipping

- ★ Allow the flowers to dry for no more than 30 minutes



# T.O.G<sup>®</sup>-STAR Dipping

- ★ Alternately, place the roses on a diagonal table to allow the excess solution to be removed from the flowers.

Collect the residue of the solution for reuse on the same day.






# T.O.G<sup>®</sup>-STAR Advantages

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Developed  
especially  
for roses



Safe to cut  
roses.  
Low AI rate  
per flower

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High-quality  
AI source



Registered in  
Kenya  
[PCPB (CR)2296]

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# T.O.G<sup>®</sup>-STAR Trials in Kenya



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## **Objective-**

To evaluate the efficiency of T.O.G<sup>®</sup>- STAR as a dipping solution to control Botrytis on roses.

## **Treatments-**

Untreated/Farm solution/ T.O.G<sup>®</sup>- STAR

## **Samples size-**

At least 5 varieties  
30-60 stems for each variety

# T.O.G<sup>®</sup>-STAR Trials in Kenya



## **Protocol-**

Following the post-harvest procedure established by each individual farm, only the dipping solution is different.

## **Transport Simulation**

## **Observation-**

11/12 days after treatment.

# T.O.G<sup>®</sup>-STAR Trials in Kenya



30+ farms in Kenya

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90+ varieties

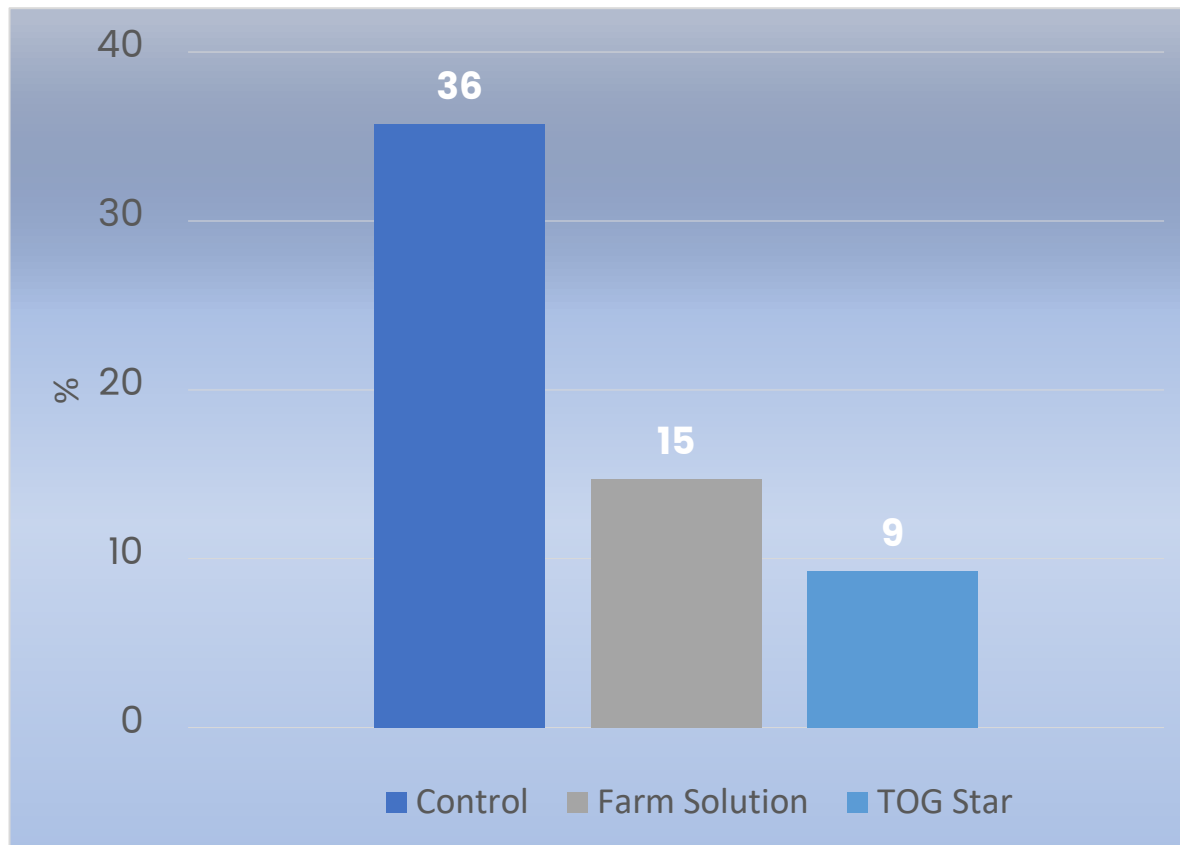
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Total of ~ 6,750 stems

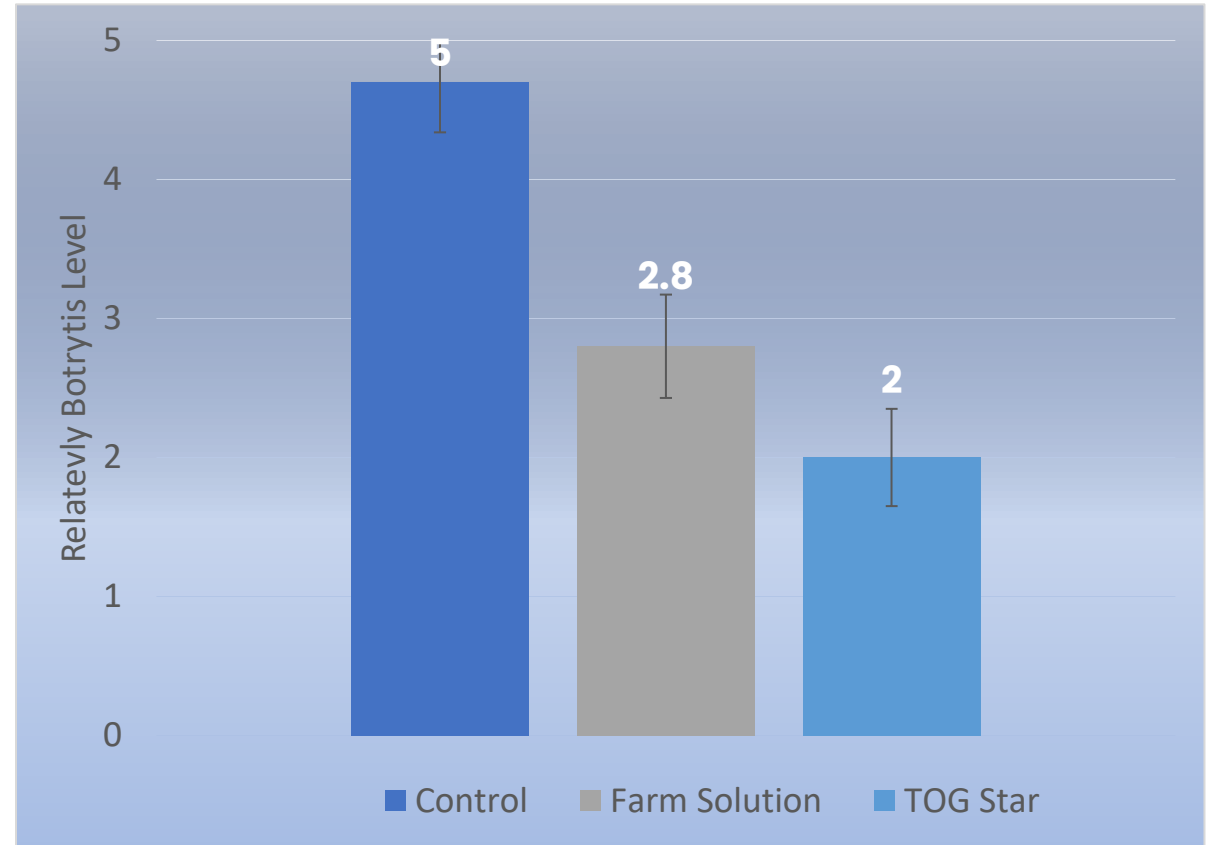
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# T.O.G<sup>®</sup>-STAR Trials in Kenya

% Infected stem with Botrytis



Relatively Botrytis Level









\* Based on trials done in 13 different farms, 45 varieties, and ~2,700 stems in total

\*\* The level of Botrytis infection is rated on a scale of 1 to 5, with 1 indicating a low level and 5 indicating a high level.







# EX #1 Nairobi Region, May 23

% infected stems with Botrytis

	Control	Farm Solution	T.O.G <sup>®</sup> - STAR
Revival	 <p>70%</p>	 <p>0%</p>	 <p>0%</p>
Titanic	 <p>80%</p>	 <p>0%</p>	 <p>0%</p>

# EX #1 Nairobi Region, May 23






% infected stems with Botrytis

	Control	Farm Solution	T.O.G <sup>®</sup> - STAR
Sovereign	 <p>40%</p>	 <p>10%</p>	 <p>0%</p>
Polar Star	 <p>20%</p>	 <p>0%</p>	 <p>0%</p>



# EX #2 North Rift Region, May 23

% infected stems with Botrytis

	Control	Farm Solution	T.O.G <sup>®</sup> - STAR
Pegasso	 <p>66%</p>	 <p>10%</p>	 <p>0%</p>
Novarita	 <p>8%</p>	 <p>0%</p>	 <p>0%</p>






# EX #3 Mt. Kenya Region, June 23

% infected stems with Botrytis

	Control	Farm Solution	T.O.G <sup>®</sup> - STAR
May Tai	 <p>40%</p>	 <p>0%</p>	 <p>0%</p>
Heidi	 <p>100%</p>	 <p>0%</p>	 <p>0%</p>





# EX #4 North Rift Region, May 23

% infected stems with Botrytis

	Control	Farm Solution	T.O.G <sup>®</sup> - STAR
Gravity	 <p>50%</p>	 <p>0%</p>	 <p>0%</p>
Wedding Rose	 <p>25%</p>	 <p>10%</p>	 <p>0%</p>

# EX #4 North Rift Region, May 23

% infected stems with Botrytis

	Control	Farm Solution	T.O.G <sup>®</sup> - STAR
Olympus	 <p>33%</p>	 <p>0%</p>	 <p>0%</p>
			

# EX #5 Mt. Kenya Region, June 23

% infected stems with Botrytis

Sweet  
Revival

Control



20%

Farm Solution



0%

T.O.G<sup>®</sup>- STAR



0%


# EX #6 North Rift Region, June 23

% infected stems with Botrytis

	Control	Farm Solution	T.O.G <sup>®</sup> - STAR
Revival	 <p>90%</p>	 <p>0%</p>	 <p>0%</p>
Night & Gall	 <p>70%</p>	 <p>15%</p>	 <p>7%</p>




# EX #6 North Rift Region, June 23

% infected stems with Botrytis

	Control	Farm Solution	T.O.G <sup>®</sup> - STAR
Athena	 <p>13%</p>	 <p>0%</p>	 <p>0%</p>
Pomarosa	 <p>26%</p>	 <p>15%</p>	 <p>7%</p>

# EX #6 North Rift Region, June 23

% infected stems with Botrytis

	Control	Farm Solution	T.O.G <sup>®</sup> - STAR
Ever Red	100% 	13% 	0% 



# EX #7 North Rift Region, May 23

% infected stems with Botrytis

	Control	T.O.G <sup>®</sup> - STAR
Downtown	 <p>55%</p>	 <p>0%</p>
Heidi	 <p>80%</p>	 <p>0%</p>

# EX #8 North Rift Region, July 23

% infected stems with Botrytis

Upper  
Class

Control

15%



Farm Solution

0%



T.O.G<sup>®</sup>- STAR

0%







# EX #9 North Rift Region, July 23

% infected stems with Botrytis

	Control	Farm Solution	T.O.G <sup>®</sup> - STAR
Adalonia	60% 	0% 	0% 
Revival	93% 	0% 	0% 

# EX #9 North Rift Region, July 23

% infected stems with Botrytis

	Control	Farm Solution	T.O.G <sup>®</sup> - STAR
Jumilia	46% 	0% 	0% 
Lampion	100% 	0% 	0% 

# T.O.G<sup>®</sup>-STAR Trials in Kenya



**T.O.G<sup>®</sup>-STAR** efficiency controls Botrytis compared to untreated flowers.

**T.O.G<sup>®</sup>-STAR** exhibits superior Botrytis control in several varieties.

**For more information, contact us:**



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# GADOT AGRO

Growing Together Since 1950

