



Results Sheet



Effect of Manvert Tripul 40 to control thrips (*Thrips tabaci*) on onion (*Allium cepa*).

Manvert Tripul 40 (K4913)

Tripul 40 is an organically certified, insecticide synergist that enhances the action of insecticide applications in the field. It is especially effective against insects such as thrips. The formulation is based on an extract rich in carbohydrates and amino acids, which stimulates and helps the plant to recover from the damage caused by the repeated insect pressure and recurring insecticide treatments.



Treatments

Application number	Product	Dosage
1	Tripul 40	3 ml / L
	Abamectin	0.26 ml / L
2	Tripul 40	3 ml / L
	Abamectin	0.26 ml / L
	Omethoate	0.4 ml / L
3	Tripul 40	3 ml / L
	Omethoate	0.4 ml / L
CONTROL (No Tripul 40 added to pesticides)		

Methodology

Manvert Tripul 40 was applied with each insecticide application. Areas were marked out where Manvert Tripul 40 was not added to the pesticide mixture in order to evaluate the effectiveness thereof.

1. Objective

The objective of this trial was to enhance the effectiveness of as a in order to better control thrip populations on onions.

2. Materials & Methods

Description

This trial was conducted on a commercial onion farm of Dew Crisp producers in the Western Cape province.

continuous advantage

3. Results

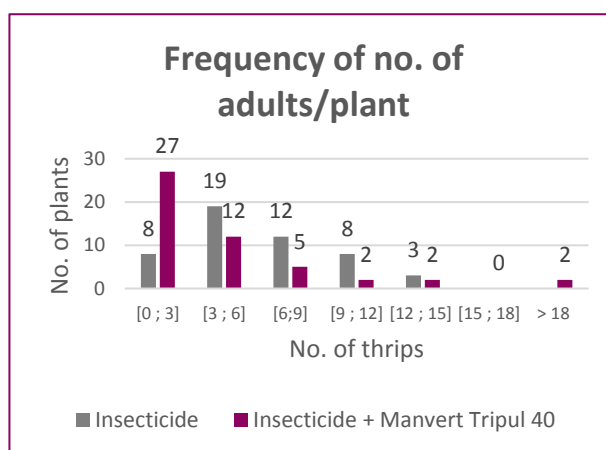


Figure 1: Frequency of the number of thrips per plant.

3. Results (continued)

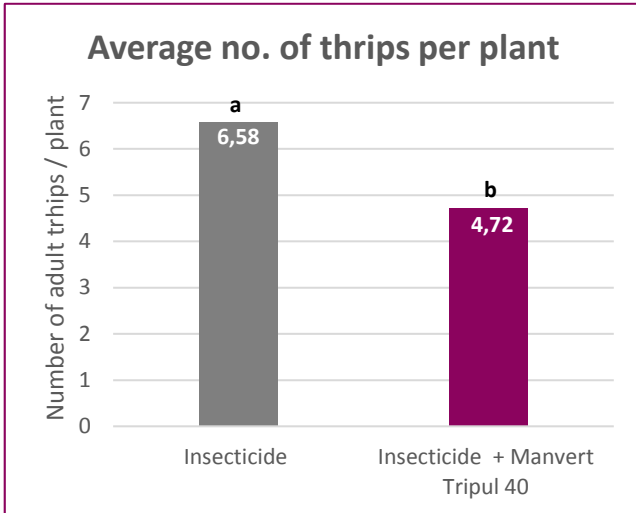


Figure 4: Average number of thrips per green leaf.

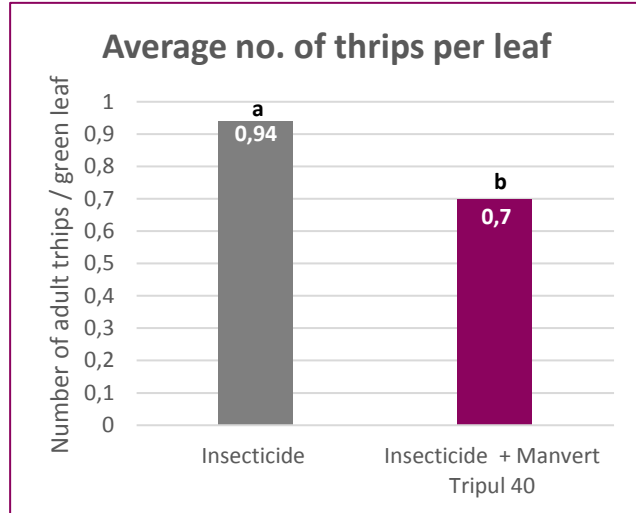


Figure 3: Average number of thrips per plant.



Figure 2: Onions plants being treated with Manvert Tripul 40.

For more information on this IPM solution, please feel free to contact us.

4. Conclusion

From figure 1 it can be concluded that out of the 50 plants sampled, 54% of these plants had adult thrip numbers less than 3. Only 16% of control plants (treated with insecticide only) had less than 3 adult thrips with the majority of plants (62%) having thrip numbers between 3 and 9.

By adding Manvert Tripul 40 to the insecticides, the number of thrips per plant was reduced by 28% compared to plants where no Manvert Tripul 40 was added to the insecticides (Figure 2).

The number of thrips per leaf was also reduced by 25% compared to plants where no Manvert Tripul 40 was added to the insecticides (Figure 3).