

## Trials & Performance of:



Preparation and application of Levo:



In 2016, Levo was tested in Peru for the control of Red spider mite (*Panonychus citri*) in Citrus (Lemon) plantations. The trial was performed in Piura, North part of the country.

Peru is a major exporter of Citrus worldwide. Peru exports its citrus fruits to more than 29 countries, among them UK, the Netherlands, Scandinavian countries, Spain, Russia, Canada and to the USA market.

Safety and traceability are two important attributes of Peruvian citrus fruits.

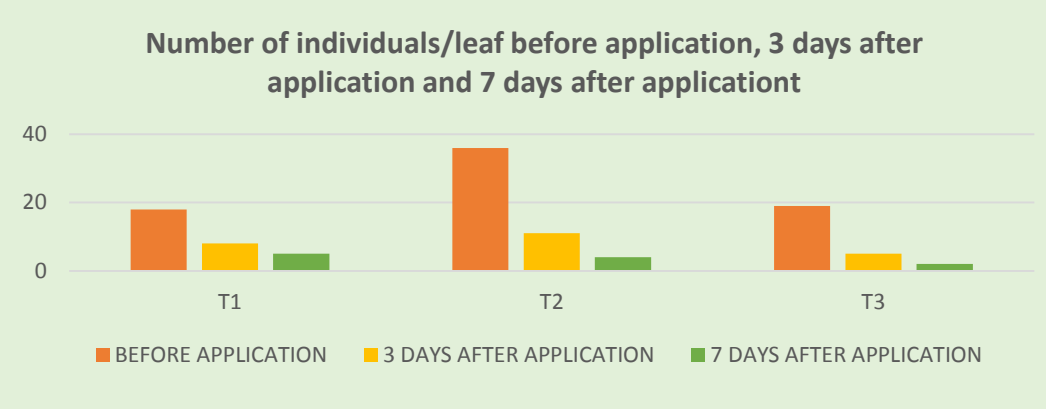
The Red spider mite, *Panonychus citri*, is a major pest of citrus. Feeding causes stippling spots that combine to cause yellow or silvery areas on the leaves. Heavy infestations result in leaf drop, twig dieback, low-quality fruit and even tree death. Red spider mite outbreaks can be very common when the broad-spectrum activity of insecticides targeting other key pests disrupts the activity of its natural enemies.

## IN PERU

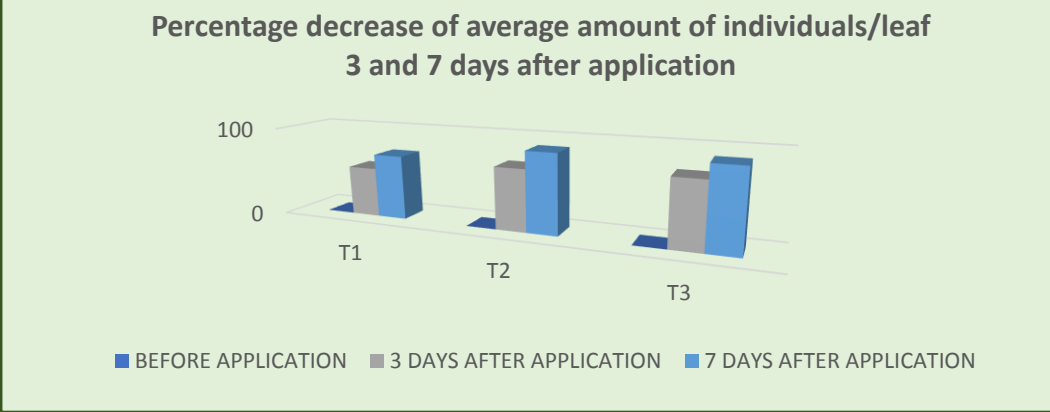


# Results:

**Graph 1:** Number of individuals/leaf before application, 3 days after application and 7 days after application



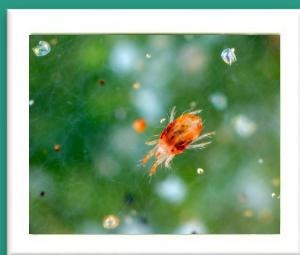
**Graph 2:** Percentage decrease of average amount of individuals/leaf 3 and 7 days after application



Levo was evaluated at 3 different rates:

| TREATMENT   | PRODUCT | DOSE/CYLINDER |
|-------------|---------|---------------|
| TREATMENT 1 | LEVO    | 200 ml        |
| TREATMENT 2 | LEVO    | 500 ml        |
| TREATMENT 3 | LEVO    | 1000 ml       |

Efficacy evaluation was done at 3 and 7 days following application.



## Conclusions:

- Treatment 2 (500ml) and 3 (1000ml) show a similar performance, without significant difference, counteracting the damage of the pest, and decreasing the Red Spider mite population at 88% and 89% respectively.
- It can be concluded that the application of **Levo** meets the expectations to control the red spider mite.
- During the application, the beneficial fauna was not affected. The beneficial fauna remained intact during the application. Predominant beneficial were in Lacewings and their eggs.