TDB 0923

EFFICACY AND SELECTIVITY EVALUATION OF **PREV-AM**® AGAINST AMERICAN GRAPEVINE LEAFHOPPER IN GRAPEVINE

PREV-AM

BASIC INFORMATION

TARGET	American grapevine leafhopper (*Scaphoideus titanus*)
CROP	Wine grape, cv. Erbaluce (*Vitis vinifera*)
SPRAY VOLUME	1000 l/ha
LOCATION	Settimo Rottaro (Turin), Piedmont • Italy
TRIAL DATE	June 2015
RESEARCHER(S)	Daniele Ronco, **Sagea**

FIELD SITUATION

The trial was set up on vineyard (Erbaluce variety) of Settimo Rottaro (Torino district), in Piedmont region, where population of *Scaphoideus titanus* was medium-high.

Only one spray application was done on 17 July 2015 using a motorized backpack for both thesis:

- Actara® 25WG (thiamethoxam) 200 g/100 l
- **PREV-AM** 0,5 %

There were 4 replicates per each thesis.

Adults of *Scaphoideus titanus* were counted 14 days after application and the percentage of efficacy was calculated using Henderson-Tilton method.

Before the treatment, an high presence of individuals of *Scaphoideus titanus* at young stages was detected (mainly 25 individual per plot).

CROP: GRAPE, CV. ERBALUCE *Vitis vinifera*

PHOTO BY: YERPO, VIA WIKIMEDIA COMMONS

AMERICAN GRAPEVINE LEAFHOPPER (F) ON A GRAPEVINE LEAF *Scaphoideus titanus*

CONCLUSIONS

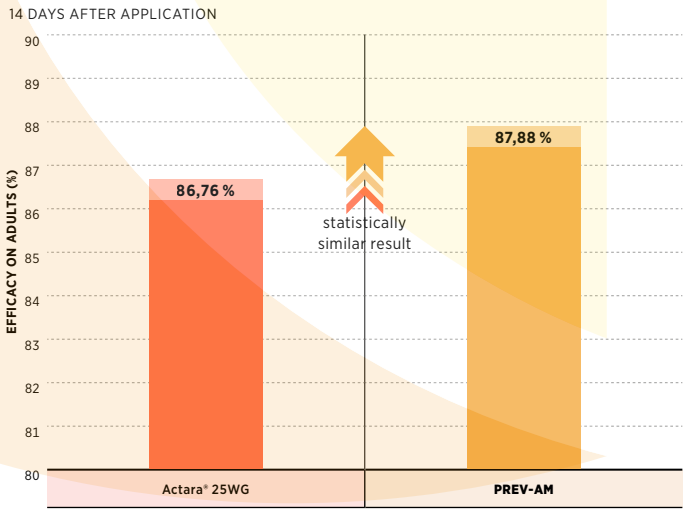
- The data of this experimental study showed an high control of *Scaphoideus titanus* given by **PREV-AM**, showing a similar performance compared with reference insecticide Actara® 25 WG.
- If applied regularly during the season, starting as soon as the first growth stages of *Scaphoideus titanus* are observed, **PREV-AM** will provide a constantly and high control of the leafhopper.

TREATMENT TABLE

	TREATMENTS	RATE
1	Actara® 25WG (thiamethoxam)	200 g/100 l
2	**PREV-AM** 0,5 %	500 ml/100 l

FIGURE **1**

Efficacy against *Scaphoideus titanus* (%)



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