Date: 4/2018

Observation no. 194

**Commercial observation: The effectiveness of the Bio T Plus preparation in controlling Anarsia in almond, Arad, April 2018**

**By David Sarid, Eran Shilo—BioYome Company**

**Aim:**

To test the effectiveness of the Bio T Plus preparation in controlling Anarsia in almond.

**Methods and materials:**

**The crop:** The commercial observation was conducted in an orchard of the Umm el-Fahm almond variety, planted in Arad in 1998.

Drip irrigation. Medium soil.

**Phenological stage**: flower buds

**Application method and spraying volume:** Spraying was carried out using a standard commercial sprayer. Spray volume: 125 L/dunam (1000m2)

**Evaluation method:** Evaluating kernel damage and counting of live larvae in samples of approximately 400 fruit/ treatment.

**Preparations and treatment dates:**

**Sampling dates:** 8/7/2018, 26/7/2018 (harvest date)

**Results:**

Two applications of Bio T Plus reduced Anarsia infestation compared with the standard commercial treatment.

No signs of phytotoxicity were observed with any of the treatments.

**Table 1 Anarsia infestation under different management strategies (%)**

|  |  |  |
| --- | --- | --- |
| Treatments | Concentration  | Anarsia infestation in almond (%) |
| 8/7/2018 5 days after application I | 26/7/2018 16 days after application II |
| Bio T Plus (environmentally friendly management) | 0.4% | 0.5% | 1.0% |
| Standard commercial treatment |  | 0.5% | 3.0% |

**Discussion and conclusions:**

Bio T Plus (0.4%) effectively eliminates Anarsia larvae in almond and reduces fruit infestation.

No phytotoxicity was observed in the crop. No effects on foliage were observed during crop growth.

**Acknowledgements:**

We thank Dr Shaul Ben Yehuda for his professional advice and for supporting the observation.

We thank Nadav for allocating the plot and for his help in conducting the observation.