

ULV Spraying Against Eurigaster Integriceps (Put) and possibility of Applying this Method

JOSEPH EIVAZ

Plant Pests & Diseases Research Institute, Tehran, Iran

Summary

Since ULV method of insecticides application seems to be more economical and effective than the conventional method against many pests. Experiments on the possibility of applying this method under Iran's climatic conditions were carried out since 1966.

In 1970 there was a high infestation (2-15/m²) of Eurigaster integriceps on wheat in Isfahan region. Experiments were carried out by aerial application of ULV Accothion 95% and ULV Cydial 85% active ingredient the rate of 1 and 1.2 Liter per hectare consecutively.

Four units of Micronair model AU3000 were connected to Pipre Super-cub aircraft. The aircraft was calibrated for our experimental purpose. The droplet size was measured on Kromokote cards and was found to be between 50-100 Microns and no phytotoxicity was observed on wheat. Between 90-99% of Eurigaster integriceps adults and nymphs were killed within 3 days after spraying.

References

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