

Project Title : The Investigations on The Low Volume Applications Within The Ipm Program With Air Assisted Spinning Disc Sprayer (Ulvafan) on The Protected Vegetables

Start /End Date : 1997-2000

Supporting Body : GDAR

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Summary : The performance of the air assisted spinning disk sprayer (powered by a 12 volt DC portable rechargeable) (Ulvafan) and knap-sack sprayer (control sprayer) was tested. Delthamethrin 2,5 EC was tested in 50 ml/da dosage with knap-sack sprayer and ¼'th, of this dosage with ulvafan against aphid on tomato in 1997. The biological activity was very low with both sprayers. Nevertheless, The biological activity was slightly more in ulvafan treatment (%56,66; %48,82) in comparison with knap-sack sprayer (%51,11; %5,88). Imidacloprid 350 g/l SC at ¼'th rate of registrated dosage 20 ml/da was used in low volume trials with ulvafan against aphid on egg plant in 1999. The biological activity was sufficient with ulvafan (%92,6; %93,1; %73,0). It is concluded that ulvafan can be used in protected vegetables. However, it is necessary to determine the dosages of the chemicals with ulvafan application for each pest separately.