



Horticultural
Development
Company

New Project

SF 95

Chemical control and timing of application of insecticides for control of the capsid, *Lygus rugulipennis* on strawberry

Project Number: SF 95

Title: Chemical control and timing of application of insecticides for control of the capsid, *Lygus rugulipennis* on strawberry

Start and end dates: 1 April 2008 to 31 March 2010 (2 years)

Project Leader: Dr Jean Fitzgerald, EMR

Project Co-ordinator: Paul Harrold, Sunclose Farm

Location: The experiments will be undertaken at EMR on purpose sown flowering weed plots (year 1) and on an everbearing strawberry plantation (year 2).

Background and project objectives

A replicated experiment will be done in each year to assess the efficacy of a range of insecticides against the strawberry capsid *Lygus rugulipennis* at different timings to target specific life cycle stages. Populations of this pest are often present in large numbers on flowering weed species and because of this in year 1 treatments will be applied to purpose sown weed plots infested with *L. rugulipennis* to ensure an adequate supply of the pest for testing. In year 2 the most effective materials and the optimal timing as determined in year 1, will be assessed on everbearing strawberries. In both years the timing of the appearance of the different life stages of the pest will be monitored, and insecticides targeted to nymphs and adults separately. Efficacy of the test insecticides will be compared with bifenthrin (Talstar) and thiacloprid (Calypso), also applied at timings to target nymphs or adults.

Further information

Email the HDC office (hdc@hdc.org.uk), quoting your HDC number, alternatively contact the HDC at the address below.

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