New Project

SF 125

Evaluation of acaricides and adjuvants for strawberry tarsonemid mite control

Project Number:	SF 124
Title:	Evaluation of acaricides and adjuvants for strawberry tarsonemid mite control
Start and end dates:	1st April 2011 to 31st March 2013
Project Leader:	Prof Jerry Cross, East Malling Research
Industry Representative:	Seth Walpole (Soft Fruit Panel)
Location:	East Malling Research
HDC Cost:	£29,230

SUBJECT TO CONTRACT

Project Summary:

- Four replicated experiments, two in 2011 and two in 2012, will be conducted at East Malling Research to evaluate acaricide treatments for control of tarsonemid mite in infested experimental plots of strawberry.
- Two experiments will explore the timing and methods of application of the granular and liquid formulations of Vydate applied to crops in soil (open field) versus peat bags (polytunnel) to determine effective treatments for use in propagation crops.
- One experiment will investigate the efficacy of curative foliar sprays of Envidor, spirotetramat UKA378b (Bayer), spinetoram GF1640 (Dow), SAF-T-SIDE (Brandt [US]) and milbemectin (Milbeknock) in comparison with standards Dynamec and Masai treatments.
- The fourth experiment will investigate the use of different classes of adjuvants for improving spray penetration and control. It is expected that new effective treatments for control of this damaging pest of strawberry in propagation and fruiting crops will be identified.

Aims & Objectives:

(i) Project aim(s):

The overall objective of this proposed project is to identify new effective acaricide treatments for control of strawberry tarsonemid mite in propagation and/or fruiting crops.

(ii) Project objective(s):

1.To determine the efficacy of treatments with Vydate 10G and Vydate 10L for tarsonemid mite control in propagation crops grown in the open field in soil or under protection in peat bags

2.To further evaluate the efficacy of spirodiclofen (Envidor), spirotetramat UKA378b (Bayer), spinetoram GF1640 (Dow), SAF-T-SIDE (Brandt [US]) and milbemectin (Milbeknock) (Gowan) for curative control of tarsonemid mite in comparison with Dynamec and Masai standards

3.To determine the effects of different classes of adjuvants on the efficacy of the most effective acaricide(s) identified in objective 2

Further information

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

HDC
AHDB
Stoneleigh Park
Kenilworth
Warwickshire
CV8 2TL

Tel – 0247 669 2051