CYROMAZINE RESISTANCE IN SHEEP BLOWFLY 2012-2014

Garry Levot
Elizabeth Macarthur Agricultural Institute
First incidence of cyromazine resistance detected in early 2011
Lambs had been under-dosed but 10% struck within 4 weeks of treatment

Laboratory results:
• About 4% of maggots were resistant
• Resistance was very low level
• Low level cross resistance to dicyclanil (CLiK®)
• Resistant maggots survived the Monaro winter
• Resistant maggots on several properties

No further problems on the property.

Precautionary approach – we are surveying blowfly populations right across Australia for resistance
PROJECT AIMS:

1. To sample and test field populations of sheep blowfly for cyromazine and dicyclanil resistance to determine whether the resistant population from the NSW Monaro is an isolated case or just one representative of a new resistant phenotype.

2. To measure the susceptibility of field blowfly populations to ivermectin (an alternative registered insecticide capable of providing long-term flystrike protection).
To be sent a blowfly maggot sampling kit please contact:

Garry Levot
Email: garry.levot@dpi.nsw.gov.au
Tel: 02 46406376