AUCTIONS CALENDAR
THE LAND
anywhere, anytime...
SUBSCRIBE NOW!
Print, Online, Mobile, Tablet
LOW 7° HIGH 20°
Orange
THE LAND
GOATS SHEEPMEAT WOOL SALES SHEEP STUDSTOCK AUCTIONS CALENDAR
SPECIAL FEATURES RECOMMENDED

Sheep & Goats

New trap could help in the fight against flystrike
12 hours, 18 minutes ago

Jessica Kastelein is 2022 national ...
2 hours, 18 minutes ago

Wollun studs shine bright during Ro...
5 hours, 18 minutes ago

Jessica Kastelein is NSW RAS/ASC yo...
7 hours, 18 minutes ago

Flystrike project aims to develop new trap

Victoria Nugent
@@victoriajnugent

14 Apr 2022, 9 a.m. Sheep & Goats

HOME GOATS SHEEPMEAT WOOL SALES SHEEP STUDSTOCK

Ian Dadour and Cam Scadding CEO of Source Certain will be working on the flystrike project.

Aa

Plans to create a new trap for the Australian blowfly have been given a major cash injection thanks to a $780,000 grant from the Australian Research Council's Linkage Program.

Perth-based provenance verification provider Source Certain and Deakin University have teamed up for the multidisciplinary project, which includes entomology, biotechnology, analytical chemistry and genomics and aims to fight back against flystrike's effects on the sheep and wool industries.

The research team will undertake a combination of genome analysis and advanced chemical analysis over the next three and a half years to gain new insight into what attracts the Australian blowfly to Merino sheep.

Those scientific insights will then be used to develop a new trap, which mimics the chemical signals emitted by

sheep which attract *Lucilia cuprina*, the Australian sheep blowfly.

Source Certain's Head of Research and Education and renowned forensic entomologist Ian Dadour said growers had been crying out for more research to be done into ways to control the Australian blowfly.

"The new approach is to look at the swarming behaviour of the bacteria on the fleece and the odours that they emit, which has not been done before," he said.

Scientists plan to use what they find to then develop a kairomone, or chemical signal, and place it into traps.

This project aims to overcome the reliance on insecticides within the sheep industry, using blowflies' own cues to target them before fleece rot occurs, cutting strike numbers and breaking the fly breeding cycle.

MORE READING:

- AWI announces more flystrike funding
- Tips to develop flystrike flock management plan
- Blowflies continue to develop resistance to chemicals used for treating flystrike

Professor Dadour said offal bait bins and the LuciTrap, which had been developed in the past to trap and reduce fly populations, had both proved labour intensive.

"The LuciTrap is probably one trap for every thousand head of sheep and maybe this may have to go the same way," he said.

"We need farmers to be able to use this trap and it to not be hugely labour intensive for them but still take out at least 57 per cent of the sheep blowfly population per day of what's out there and that's got to include 25pc of the female to have any real effect in reduction of sheep blowfly.

"Of course that will then de-escalate things like mulesing and having to use insecticides which flies are becoming more and more resistant to."

It has been found that offal bait bins can achieve a 95pc reduction in blowfly populations, while the LuciLure synthetic lure can reduce populations by up to 50pc when used in conjunction with insecticides, making it more of a monitoring tool rather than suited to broad scale fly control.

The project to develop the new variety of trap will be field-tested in sheep farming communities of Western Australia and Victoria, including on sheep stations around the Esperance area.

Start the day with all the big news in agriculture! Sign up below to receive our daily Farmonline newsletter.

FarmOnline Newsletters

Sign up and select your desired newsletter below.

Email Address

First Name

Last Name

Postcode

FarmOnline Newsletters

- Daily Newsletter

The story New trap could help in the fight against flystrike first appeared on Farm Online.

SHARE TWEET Aa

From the front page

Queenslander **A new digital** **Jessica** **Tell us what**

AUCTIONS CALENDAR

national beef | Land | 2022 national | election issues

Give them an earful on why ag is so great

Summer disease report cites pathogen

Lees' long shot locks in provincial

Wollun studs shine bright during Royal

Most Viewed

1 Kate McBride: Passionate advocate for the agriculture industry

2 Wollun studs shine bright during Royal ultrafine judging

3 Photos from the 2022 Goondiwindi Picnic Races

4 Back in the here and now, and ready to take the stage

5 Major pub groups

6 Rudder steers herself to victory in paraders competition

7 Fined for eating while driving? Here are 10 lesser-known rules that attract heavy fines

8 Burrawang's big sale - Records broken in the largest and highest value sale held yet for the Dorper sheep breed

9 Angus dominate interbreed

AUCTIONS CALENDAR

potential as labour shortages hit

10 Native soil fungi fights giant Parramatta grass

Farmonline Network

Search thousands of classified ads online

Australia's premier industry field day event.

Buy rural and agricultural books and DVDs

Connecting Livestock Buyers & Sellers: Your one-

Australia's Horse Trading Magazine. Everything

Contact Us ■ Advertising ■ Privacy Policy ■ Conditions of Use ■ Terms & Conditions - Newspaper

■ Copyright © 2015. Australian Community Media.