

FOR INFORMATION

SWFSPP Steering Committee Annual Meeting 2021

Agenda Item 2.2

[last updated: 30 November 2021]

Prepared by B Crowe

Insect Trapping on Returning Livestock Export Vessels 2020-21**RECOMMENDATION**

1. That the SWFSPP Steering Committee **NOTE**
The interception data provided on insect trapping on returning livestock export vessels for the period 1 October 2020 to 23 September 2021.

BACKGROUND

2. As part of OWS surveillance at Australian ports, staff from the Department of Agriculture, Water and the Environment (DAWE) conduct inspections of returning livestock export vessels and the insectocutors that vessel masters are required to operate on-board. The trap collections from these insectocutors are collected and submitted to entomologists from the Department for identification. A variety of dead insects are collected from the insectocutors, but flies from the family Calliphoridae are the primary target for reporting purposes.

DISCUSSION

3. From 1 October 2020 until 23 September 2021, 20 vessel visits resulted in flies of the family Calliphoridae being detected and identified in the insectocutors on-board returning livestock export vessels. The interception results can be summarised as follows:
 - No screw worm flies were detected in the insectocutors of any livestock vessels entering Australia during the reporting period.
 - The majority of the interceptions of Calliphoridae during the period were of *Chrysomya megacephala*, *Chrysomya saffrana* and *Lucilia* spp.

FINANCIAL IMPLICATIONS

4. Not relevant at this stage.

CONSULTATION/COMMUNICATION

5. Nil since the 2020 SWFSPP Steering Committee meeting.

NEXT STEPS/ACTIONS

6. None required.

**Attachment A: Returning Livestock Export Vessel Insectocutor Interception Data
- 1 October 2020 to 23 September 2021**

Bottle Id	Incident Date	Port	State	Vessel Name	Number of insectocutors	SWF detected (y/n)	Calliphoridae findings	Comments
417417	13/10/2020	Darwin	NT	NINE EAGLE	5	N	<i>Chrysomya megacephala</i> x 2 females	Also Tabanidae, Muscidae
400661	19/11/2020	Brisbane	QLD	MV ANGUS EXPRESS	5	N	<i>Lucilia</i> sp. x 1	Also Muscidae, Milichiidae, Phoridae, Odonata, Lepidoptera, Sarcophagidae, Hemiptera
392826	23/11/2020	Townsville	QLD	AL KUWAIT		N	<i>Chrysomya megacephala</i> x multiple, <i>Lucilia</i> sp. x 1	Also Noctuidae, <i>Xylocopa</i> , Milichiidae, Apidae
326024	5/12/2020	Fremantle	WA	GLOUCESTER EXPRESS		N	<i>Calliphora</i> sp. and <i>Lucilia</i> sp.	Muscidae, Phoridae, Coelopidae, Noctuidae
398700	7/12/2020	Brisbane	QLD	DAREEN	9	N	<i>Chrysomya cf saffrana</i> x 1	Also Muscidae, Milichiidae, Sphaeroceridae
344663	10/12/2020	Fremantle	WA	NINE EAGLE	5	N	<i>Lucilia sericata</i>	Also Dolichopodidae, Ephydriidae, Tabanidae, Formicidae, Cicadellidae, Eurybrachyidae, Muscidae, Phoridae, Sepsidae, Lepidoptera
416584	12/1/2021	Darwin	NT	NINE EAGLE	5	N	<i>Chrysomya megacephala</i> x 2	Also Sphingidae, Lepidoptera, Tenebrionidae, Scarabaeidae, Muscidae, Sarcophagidae, Tabanidae
436284	31/1/2021	Fremantle	WA	GELBRAY EXPRESS		N	<i>Chrysomya megacephala</i> x 5 females	Also Sarcophagidae and other Diptera
317704	15/2/2021	Broome	WA	NINE EAGLE	5	N	<i>Chrysomya megacephala</i> x 2 females	Other Diptera
416802	26/2/2021	Darwin	NT	OCEAN SWAGMAN	7	N	<i>Chrysomya megacephala</i> x 1	Also Muscidae, Libellulidae, Ptinidae, Lepidoptera
373474	3/3/2021	Townsville	QLD	DAREEN	9	N	<i>Chrysomya megacephala</i> x 1 female	Also other Diptera, Lepidoptera, Cixiidae
416653	4/3/2021	Darwin	NT	NINE EAGLE	5	N	<i>Chrysomya megacephala</i> x 8, <i>Chrysomya</i> sp. x 1 (NOT <i>C. bezziana</i>)	Also Formicidae, Muscidae, Phoridae, sarcophagidae, Milichiidae, Lepidoptera, Culicidae
392728	29/3/2021	Townsville	QLD	DIAMANTINA		N	? <i>Lucilia</i> sp. x 1	Also other Diptera, Coleoptera, Noctuidae, Pentatomidae
430303	30/3/2021	Brisbane	QLD	AL KUWAIT		N	<i>Chrysomya megacephala</i> x 1	Also Pieridae, Nymphalidae, Arctiidae, Sarcophagidae, Diptera, Cicadellidae, Chrysomelidae, carabidae, Lepidoptera
416597	27/4/2021	Darwin	NT	NINE EAGLE	5	N	<i>Chrysomya megacephala</i> x 1 female	Also Lepidoptera, Muscidae, Formicidae, Phoridae, Gryllidae, carabidae, Syrphidae, Dolichopodidae, Scutelleridae
393962	7/5/2021	Townsville	QLD	MAYSORA		N	<i>Lucilia</i> sp. x 1	Also Diptera, Lepidoptera
263391	12/5/2021	Darwin	NT	NINE EAGLE	5	N	<i>Chrysomya megacephala</i> x 2 females, <i>Chrysomya rufifacies</i> x 1 female	Also Pieridae, Carabidae, Muscidae, Dolichopodidae, Sarcophagidae, Reduviidae, Staphylinidae, Belostomatidae, Phoridae, Lygaeidae, Odonata, Pleidae, Gryllidae, Acanthostomatidae, Cicadellidae, Formicidae, Scirtidae
366351	26/5/2021	Darwin	NT	NINE EAGLE	5	N	<i>Chrysomya megacephala</i> x 1 female	Also Muscidae, Dolichopodidae, Pieridae, Erebidae, Staphylinidae, Formicidae, Bibionidae, Alydidae, Cicadellidae, Meenoplidae, Delphacidae, Scirtidae, <i>Dermestes</i>
346432	19/7/2021	Fremantle	WA	AL KUWAIT			<i>Chrysomya rufifacies</i> x 4	Also Muscidae, Lepidoptera, Belostomatidae, <i>Apis dorsata</i> , Formicidae, Cicadellidae, Staphylinidae, Heteroceridae, other Diptera.
317716	9/9/2021	Broome	WA	GELBRAY EXPRESS		N	<i>Chrysomya megacephala</i> x 21	Sarcophagidae and Muscidae

FEEDBACK

Q1 My organisations needs and expectations of the SWFSPP are being met.

Strongly agree **Agree** Undecided Disagree Strongly disagree

Comments:

Q2 The outputs of the SWFSPP such as the brochure, poster and annual report in the Animal Health in Australia report are credible and robust.

Strongly agree **Agree** Undecided Disagree Strongly disagree

Comments:

Q3 The SWFSPP satisfies the surveillance data and reporting needs of my organisation (e.g. contributes to and/or supports policy development and decision making).

Strongly agree **Agree** Undecided Disagree Strongly disagree

Comments:

Q4 Animal Health Australia is managing the Screw Worm Fly Surveillance and Preparedness Program effectively/satisfactorily.

Strongly agree **Agree** Undecided Disagree Strongly disagree

Comments: