

WHAT IS COOPERS® GOLD?

Coopers GOLD is a Diazinon based off-shears product for sheep lice control in Australia.

Coopers GOLD spray-on backline lice treatment is indicated for the control of organophosphate (OP) susceptible and synthetic pyrethroid (SP) resistant strains of the sheep body louse (*Bovicola ovis*).

Coopers GOLD is manufactured in Australia and marketed by Coopers Animal Health, a supplier of lice control products to Australian farmers for over 150 years.

The facts on sheep lice

Sheep lice cost Australian sheep producers about \$125 million per year in lost production^{1,2}.

COOPERS® GOLD

SPRAY-ON OFF-SHEARS SHEEP LICE TREATMENT



PRODUCT INFORMATION

Active constituent:
Diazinon 93.3 g/L

Presentation:
20 L drum

Dosage:
Diluted product – 3 mL/kg
bodyweight

Withholding periods:
MEAT – 21 days;

ESI – 21 days;

MILK – Do not use on
ewes producing milk
or may in the future
produce milk for human
consumption;

WOOL – 2 months

OCCUPATIONAL HEALTH AND SAFETY

To minimise operator exposure it is required that during mixing and when using the spray the following Personal Protective Equipment should be worn as per label additional user safety statement:

- Cotton overalls buttoned to the neck and wrist
- A washable hat
- Elbow length chemical resistant gloves
- Water resistant footwear
- PVC or rubber apron

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For further information on Coopers GOLD or any other Coopers products, please contact your local Coopers Animal Health representative on **1800 885 576** or contact Coopers Animal Health Customer Service on Toll Free **1800 226 511** or visit our website at www.coopersanimalhealth.com.au

1. Cited at http://www.woo.com/sheep/welfare/flies_lice_worms/
 2. Joshua, E., Junk, J., Levot, G., 2010, Sheep Lice, NSW DPI Primefact 483.
 3. Data on file.
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WHY USE COOPERS GOLD?

Over the last ten years, many farmers have relied on either imidacloprid (Avenge®) or spinosad (Extinosad®) pour-ons. Whilst there is no current documented resistance to these molecules, farmers should not be complacent about their over-use. The Insect Growth Regulators (IGRs) that preceded more recent molecules such as spinosad chemicals had the first signs of resistance emerge approximately 7 years after widespread commercial use³.

Currently in the Australian sheep lice control market there is an abundance of products containing 1st generation neonicotinoids (imidacloprid and thiacloprid) and it is important to recognise that changing brands is not a chemical rotation. Coopers Gold is an ideal rotation option to ensure neonicotinoids are not overused and to reduce the likelihood of resistance developing to currently available products.

To help prolong the useful life of currently available lice control molecules, it is important that farmers rotate between effective chemical groups to slow down the rate of resistance development.

The use of Coopers GOLD in a rotational lice control programme not only provides the farmer with a convenient, high volume, rapid knockdown application, but will also enable them to extend the effective useful life of other lousicide chemical groups.

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HOW TO USE COOPERS GOLD?

Mixing

Coopers GOLD is supplied as a concentrate which must be diluted with clean water prior to use. Mix 1 part of Coopers GOLD to 6 parts of water. The diluted product must be used within 3 days of mixing.

Coopers GOLD concentrate (L)	Clean water (L)	Ready-to-use diluted product (L)	Number of 50 kg sheep treated
5	30	35	233
10	60	70	466
20	120	140	933

Dose rate

Bodyweight (kg)	Dose rate (mL)
6 - 10	30
11 - 20	60
21 - 30	90
31 - 40	120
41 - 50	150
51 - 60	180
61 - 70	210
71 - 75	225

Sheep in excess of 75 kg bodyweight to be dosed at 3 mL per kg.

Once diluted, Coopers GOLD is applied at the rate of 3 mL/kg bodyweight. Determine the correct dose by weighing the heavier animals in the mob and dose according to the heaviest bodyweight within each animal class.

APPLICATION

Coopers GOLD can only be applied using the Genesis 150 mL Coopers GOLD Power Doser™ and must be applied within 24 hours of shearing.

This applicator delivers the high volume dose required, quickly and accurately, whilst ensuring optimum body coverage. Coopers GOLD is applied in a band from the poll, along the backline, to the butt of the tail.



Note: The applicator will deliver up to 150 mL, so for sheep greater than 50 kg who require more than 150 mL, split the dose: applying the first dose tail to the middle of the back, and the second dose from the middle of the back to the head.

Up to 6 weeks are required for Coopers GOLD to kill lice on treated sheep. .

To ensure successful lice control following the use of Coopers GOLD, it is important to observe the following:

- Coopers GOLD must only be used within 24 hours after shearing.
- Coopers GOLD is not to be used to treat ewes less than 6 weeks before lambing commences, as live lice can persist and infect the lambs.
- Coopers GOLD is not to be used to treat ewes with lambs at foot, unless the lambs are also shorn and treated.
- Coopers GOLD treated sheep must not be mixed with untreated sheep.
- Coopers GOLD is not to be used on sheep which have not been cleanly shorn.
- Coopers Gold once diluted must be used within 3 days of mixing.
- Coopers GOLD is not to be used on animals that are severely stressed or are in poor health.
- Please refer to product label before using product.