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Blowfly strike – a major issue for New Zealand farmers

Blowfly strike is a major animal health and welfare issue for sheep farming in New Zealand. It has a significant impact on production and profitability through weight loss, fleece and pelt damage and deaths.

Effects of flystrike.

Four of the 52 species of blowfly in New Zealand regularly strike sheep: Green blowfly (*Lucilia sericata*), Australian sheep blowfly/Aussie green blowfly (*Lucilia cuprina*), Brown blowfly (*Calliphora stygia*) and Hairy maggot fly (*Chrysomya rufifacies*).

Blowflies are attracted to dirty wool, soiling around the crutch area, fleece moisture and injuries. Once a sheep is struck the infestation spreads rapidly. Eggs laid on the skin, hatch within hours and the maggots start feeding immediately. Maggot burrowing causes serious fleece and skin damage. The irritation and inflammation cause sheep to bite or rub the area, causing more damage. The damaged skin becomes very attractive to other female flies and even a small strike can rapidly escalate.

An integrated approach to effective fly control.

- ▶ To control flystrike you need an integrated parasite management programme, this involves managing stock and the fly population, and providing effective chemical control.
- ▶ The aim in applying fly control chemicals is to achieve a high concentration in areas most at risk to repel flies, discourage egg laying and to kill maggots.
- ▶ Treating early in the risk period can minimise losses and reduce the build up in fly numbers.
- ▶ Other measures should be utilised alongside chemical control to reduce fly numbers and minimise susceptible stock.

For more information on controlling flystrike contact customer services on 0800 800 543 for a free copy of *FLY ADVICE: A Farmer's Guide to Blowfly Control in Sheep*.

ZENITH® Spray-on

The only IGR that kills maggots and prevents flystrike.

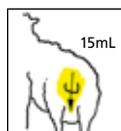
Active: 20g/L Diflubenzuron (IGR) and 93g/L Hydrocarbon liquid.

ZENITH Spray-on:

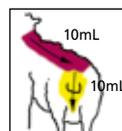
- ▶ Provides up to 12 weeks fly protection.
- ▶ Kills maggots on contact for immediate flystrike relief.
- ▶ Product application does not affect healing of strike.
- ▶ Has only a 7 day meat withholding.
- ▶ Is rainfast 2 hours after treatment.
- ▶ Provides **both** fly and lice control.

CLASS	DOSE RATE	APPLY TO	DOSES PER PACK		
			900mL	5 Litre	20 Litre
DOCKING	15mL (1x15mL)	Crutch	60	333	1,333
LAMBS 0–20KG	20mL (2x10mL)	Crutch/Back	45	250	1,000
LAMBS 20KG+, HOGGETS & EWES	30mL (2x15mL)	Crutch/Back	30	166	666
HEAVY EWES & RAMS	45mL (3x15mL)	Crutch/Back	20	111	444

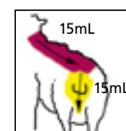
Product must be applied with T-bar or fan spray nozzle.



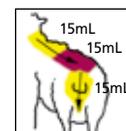
Docking



0–20kg



20kg+



Heavy ewes and rams

60 day wool harvest interval.



ZENITH Spray-on:
The only IGR that kills maggots and prevents flystrike.

MAGNUM®

The only IGR pour-on with a nil meat withholding period.

Active: 25g/L Diflubenzuron (IGR).

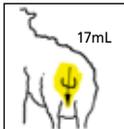
MAGNUM:

- ▶ Provides a minimum of 8 weeks fly protection.
- ▶ Nil meat withholding – so no delay in getting lambs away.
- ▶ Provides **both** fly and lice control.
- ▶ Is water-based so doesn't damage application equipment.
- ▶ Is user-friendly, as it does not contain solvents.
- ▶ Is waterproof* so no problem on wet sheep.

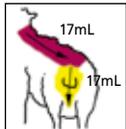
*Product application not recommended in heavy rainfall.

CLASS	DOSE RATE	APPLY TO	DOSES PER PACK	
			2.5 Litre	20 Litre
DOCKING	17mL (1x17mL)	Crutch	147	1,176
0–35KG	34mL (2x17mL)	Crutch/Back	73	588
35KG+	51mL (3x17mL)	Crutch/Back	49	392

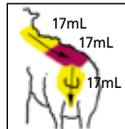
Product must be applied with a T-bar.



Docking



0–35kg



35kg+

60 day wool harvest interval.



MAGNUM:
The only IGR pour-on with
a nil meat withholding period.

BLITZ®/ZENITH®

The convenience of long-term fly and lice control.

Active: 250g/L Diflubenzuron (IGR).

BLITZ/ZENITH:

- ▶ Provide up to 12 weeks fly protection.
- ▶ Water-based solutions makes them user-friendly.
- ▶ Nil meat withholding.
- ▶ Non-stripping formulations: provide a single dilution rate for initial charging and replenishment of shower and plunge dips.
- ▶ Can be used for shower dips, plunge dips or jetting races.
- ▶ Provide **both** fly and lice control.

APPLICATION	MIXING RATE	DOSES PER PACK
SHOWER/PLUNGE DIP	150mL per 100L of water	*1,666
JETTING	250mL per 100L of water	*1,000

*Doses per pack calculation: 2 litres dipwash per sheep.

NOTE: It is important that sheep receive at **least two litres** of dipwash and are saturated to skin level. Adequate saturation can be checked by parting the fleece and drawing a line with an indelible pencil along the skin. The line should disperse if adequate saturation has been achieved.

60 day wool harvest interval.



BLITZ/ZENITH:
The convenience of long-term
fly protection and lice control.

ERASE® Jetting Liquid

The alternative active that kills maggots and prevents flystrike.

Active: 16g/L Ivermectin from the ML active family.

ERASE Jetting Liquid:

- ▶ Provides up to 12 weeks fly protection.
- ▶ Kills maggots on contact for immediate flystrike relief.
- ▶ Is an alternative active (Ivermectin) for flystrike control.
- ▶ Effective against IGR, SP and OP resistant flies.
- ▶ Ideal if concerned about resistance from regular IGR use.
- ▶ Is rainfast: moderate rainfall doesn't affect efficacy.
- ▶ Aids in the control of lice.

APPLICATION	MIXING RATE	DOSES PER PACK
JETTING RACE	200mL per 100L of water	*1,000
HAND JETTING/ DRESSING	2mL per 1L of water	*1,000

*Doses per pack calculation: 2.5 litres dipwash per sheep.

NOTE: It is important that sheep receive **at least 2.5 litres** of dipwash and are saturated to skin level. Adequate saturation can be checked by parting the fleece and drawing a line with an indelible pencil along the skin. The line should disperse if adequate saturation has been achieved.

60 day wool harvest interval.



ERASE Jetting Liquid:
The alternative active for the treatment
and prevention of flystrike

Our recommendation for your farm

Product: _____

Volume required: _____

Dose rate: _____

Price: _____

Comments: _____

Intervet/Schering-Plough provides a range of effective solutions for fly control that cater to the needs of all sheep farmers.

For further information contact your Intervet/Schering-Plough Territory Manager. For a free copy of *FLY ADVICE: A Farmer's Guide to Blowfly Control in Sheep*, phone Intervet/Schering-Plough on 0800 800 543 or visit www.intervet.co.nz