

# UNLOCK™

*“Unlocking the solution to your sheep flock fly and lice control program”*

## Unlock Concentrate

### Features

Lice and fly concentrate formulation for saturation dipping via plunge, shower or jetting application.

Contains 250g/L diflubenzuron in a non-stripping formulation.

### Benefits

Provides control of lice and all flystrike species not resistant to benzoyl ureas up to 12 weeks fly control and as an aid in the control of cackle damage in all breeds of sheep.

Diflubenzuron acts by interfering with the deposition of chitin in the insect cuticle. This interruption of the moulting and growth process causes death of blowfly larvae and lice nymphs.

Withholding: Meat: 7 days. Wool at least 60 days. Milk for human consumption 35 days.

Available in a 10 litre wide top for easy pouring.



## UNLOCK™ CONCENTRATE | READ LABEL CAREFULLY BEFORE USING

Read label carefully and obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

For protection against blowfly strike, the control of lice and as an aid in the control of cackle damage.

- UNLOCK™ CONCENTRATE is a non-stripping dip to be applied by plunge and saturation shower dips or by jetting.
- UNLOCK™ CONCENTRATE gives protection from blowfly strike and from developing blowfly larvae when used as directed for up to 12 weeks.
- UNLOCK™ CONCENTRATE has been shown to be effective against all flystrike species in New Zealand including the Australian green blowfly *Lucilia cuprina*.
- UNLOCK™ CONCENTRATE will control lice and aid in the control of cackle damage on the pelt. Existing cackle damage will take at least 90 days to heal following treatment with UNLOCK™ CONCENTRATE.

#### MODE OF ACTION

Diflubenzuron is an insect growth regulator and acts by interfering with the deposition of chitin in the insect cuticle. This interruption of the moulting and growth process causes death of blowfly larvae and lice nymphs.

#### DIRECTIONS FOR USE

By law the user must take due care, obtaining expert advice when necessary, to avoid unnecessary pain and distress when using the product other than as directed on the label.

#### SHAKE WELL BEFORE USE

1. Do not use UNLOCK™ CONCENTRATE for the treatment of existing blowfly strike. Existing blowfly strike at times of dipping or after the period of protection must be treated with a blowfly treatment product.
2. Ensure accurate dilution rates by measuring sump and replenishment tank volumes.
3. Apply using well maintained and calibrated equipment. Refer to published information e.g. Wools of New Zealand, for details of correct dipping techniques.
4. Ensure that all sheep are completely saturated to skin depth.
5. Keep dipwash as clean as possible by: using clean water for mixing; emptying sheep overnight before dipping; short or no draining times and dipping no more than one sheep for every 2 litres of initial sump volume (regardless of replenishment) before completely emptying and cleaning the sump.

#### FLY STRIKE PREVENTION

##### Dilution rates

Plunge and shower	Ewes, hoggets, lambs	150ml/100L
	Lambs (medium-term fly)	150ml/100L
	Lambs (long-term fly control)	250ml/100L
Jetting	All sheep	250ml/100L

The length of protection may be affected by factors such as weather, wool type, skin, wool diseases (mycotic dermatitis or fleece rot) and soiling of wool especially from dags.

#### LICE CONTROL

##### Dilution rates (all sheep)

Plunge and shower	14-35 days post shearing	60ml/100L
	>35 days post shearing	150ml/100L

Optimum time for application is for 14-35 days after shearing for clean shorn, cover comb shorn and blade shorn sheep. Do not mix treated sheep with untreated sheep until at least 6 weeks after treatment.

