

CAUTION
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING
FOR ANIMAL TREATMENT ONLY

PASTORAL / AG™

IVERLAB™

BLOWFLY AND LICE JETTING FLUID FOR SHEEP

ACTIVE CONSTITUENT: 16 g/L IVERMECTIN

For the treatment of and protection for up to 12 weeks against strike by ivermectin-susceptible strains of blowflies (*Lucilia cuprina*, *L. sericata*, *Chrysomya rufifacies* and *Calliphora nociva*) under low and moderate fly pressure when applied by jetting on sheep.

For the treatment of ivermectin-susceptible strains of biting lice (*Bovicola ovis*) when applied by jetting on sheep with long wool.

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OR USING THIS PRODUCT.



20 L

JETTING FOR BLOWFLY STRIKE: When applied as directed by handjetting or by modified Harrington jetting race, PASTORAL AG Iverlab protects sheep against strike by blowflies (*Lucilia cuprina* (including organophosphate-resistant strains), *L. sericata*, *Chrysomya rufifacies* and *Calliphora vicina*) for 12 weeks under low to moderate fly pressure and will control maggots in existing strikes in the treated areas.

HAND DRESSING OF STRUCK SHEEP: PASTORAL AG Iverlab can be applied at the blowfly dilution rate for treatment of blowfly strike wounds. Sheep should be sheared/clipped around the strike wound before saturating the area.

HAND JETTING FOR LICE: When applied as directed by hand-jetting, PASTORAL AG Iverlab also treats biting lice (*Bovicola ovis*), including synthetic pyrethroid-resistant strains in long woolled sheep until next shearing.

Resistance may develop to any chemical.

DIRECTIONS FOR USE

Restrains:
DO NOT USE on lactating ewes or within 28 days of lambing where milk may be used or processed for human consumption.

Dosage and Administration:

Critical Use Comments:
For use on sheep more than six weeks after shearing.
When used on sheep with less than 6 weeks wool a reduced period of protection may result.
Reduced effectiveness is likely if used on sheep with lumpy wool.
Jet at onset of blowfly wave.
This product is not recommended for use in jetting races because reduced efficacy and/or a reduced period of protection may result.
For effective control of lice, thorough wetting to skin level is essential.
After the next shearing, sheep should be treated with an effective off-shears or short-wool product.
DO NOT collect and re-use fluid which runs off.
DO NOT USE in plunge or shower dips.
DO NOT USE in jetting races that recycle fluids.

DILUTE BEFORE USE.

NOTE: It is recommended that clean water (dam/tank) be used for dilution. Use of treated municipal supply town water is not recommended if the diluted product is going to be stored.

Jetting:
This product is a concentrate for use in sheep of all ages. Product is NOT to be used undiluted. The 16.0 g/L ivermectin concentrate is diluted 1:500 with water prior to use as a jetting fluid. See the use table for instructions.

Mixing Instructions:
Ensure equipment is thoroughly cleaned prior to use. PASTORAL AG Iverlab should be mixed with water in a container of known volume. Testing has confirmed that PASTORAL AG Iverlab mixes with waters of various hardness. Use either a jetting handpiece with multiple nozzles that can be combed through the fleece or a "Dutjet" jetting wand. The jetting handpiece should deliver a penetrating jet of fluid without producing a spray or mist.

A modified Harrington jetting race can also be used. It should be noted the effectiveness of various races differ and testing has not been performed on all types of races available.

DOSE RATE: 200 mL / 100 L. Dilute 200 mL of concentrate in 100 L of water.

DOSAGE TABLE

Animal/Pest	Treatment	Comments
Sheep/ Blowflies (<i>Lucilia cuprina</i> , <i>L. sericata</i> , <i>Chrysomya rufifacies</i> and <i>Calliphora vicina</i>)	Jetting: Prevention of blowfly strike	Use at least 2.5 L diluted jetting fluid per head. Jet immediately prior to expected blowfly waves. Wool must be thoroughly saturated to skin level along the backline and breech. The pizzle area of wethers and the poll (particularly in horned sheep) must also be treated.
	Jetting: Treating existing flystrike	Use at least 2.5 L diluted jetting fluid per head. PASTORAL AG Iverlab will control maggots in existing strikes in treated areas.
	Hand Dressing: Treating existing strikes	Saturate struck area thoroughly. Wool must be saturated to skin level.
Sheep/Lice (<i>Bovicola ovis</i>)	Hand jetting: Treatment of lice in long wool	Use 0.5 L of diluted jetting fluid per month of wool growth. To control biting lice in long woolled sheep, the fleece and skin must be thoroughly wet to skin level from poll to tail in a backband about 25 cm wide. Wool and skin on the sides of the neck in front of the shoulders should also be wet to skin level. Jetting races are not suitable for the treatment of lice infestations.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION

General Directions:
USE DILUTED JETTING FLUID WITHIN 28 DAYS OF DILUTION.

Use a jetting pump preferably fitted with a pressure gauge and capable of maintaining at least 550 kPa (80 psi) during jetting. Run the pump to ensure thorough mixing of the jetting wash before use. Pressures of about 630 kPa (90 psi) should be used for sheep with long wool. For lambs, the pressure should be reduced to 280 – 350 kPa (40 – 50 psi).

When used as directed by jetting, PASTORAL AG Iverlab has a wide safety margin in sheep and may be used in breeding animals. When applied as directed, PASTORAL AG Iverlab will not damage fleece or skin.

Season, weather conditions, sheep type, wool length and condition, soiling with faeces and urine and any concurrent skin or fleece diseases such as fleece rot, mycotic dermatitis and other infections or wounds will influence the susceptibility of sheep to flystrike. Thorough wetting of those sites most attractive to flies is the most effective way to prevent blowfly strike. Hand jetting is recommended to ensure adequate wetting. Jetting races have varying ability to saturate the fleece so the duration of protection may be shorter than with hand jetting. Jetting races or other jetting equipment which recycles the jetting fluid should not be used to apply PASTORAL AG Iverlab.

When applied as directed by hand jetting, exposure to moderate rainfall does not have any adverse effect on the efficacy of PASTORAL AG Iverlab.

If the sheep need to be handled for other management procedures, it is recommended that use of PASTORAL AG Iverlab is the final activity carried out. NOTE: Storage at low temperatures (<4°C) may result in formation of small crystals in PASTORAL AG Iverlab which will redissolve on dilution and will not affect the efficacy or safety of the product.

WITHHOLDING PERIODS
MEAT: DO NOT USE less than 7 days before slaughter for human consumption.
MILK: DO NOT USE on lactating ewes or within 28 days of lambing where milk may be used or processed for human consumption.
WOOL: DO NOT USE less than 6 weeks before shearing or fibre collection.

TRADE ADVICE – EXPORT SLAUGHTER INTERVAL (ESI)
DO NOT USE less than 7 days before slaughter for export. Before using this product, confirm the current ESI from the distributor on (03) 5820 8444 or the APVMA website (www.apvma.gov.au/residues).

Use of this product may result in wool residues that may not comply with European Union environmental quality standards.

Wool treated with this product may contain detectable residues; adequate treatment records should be kept and made available, if requested by wool buyers.

SAFETY DIRECTIONS
Poisonous if swallowed. Repeated exposure may cause allergic disorders. Sensitive workers should use protective clothing. When preparing product for use, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and elbow length gloves. Wash hands after use.

FIRST AID
If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.
ADDITIONAL USER SAFETY INFORMATION
Sheep Rehhandling Interval: After treatment wait until sheep are dry before rehhandling.
Additional information is listed in the safety data sheet.

ENVIRONMENTAL PROTECTION
Ivermectin is extremely toxic to aquatic species. Do not contaminate dams, rivers, streams or other waterways with the chemical or used container.

DISPOSAL
Triple-rinse container into the medicated water, dip, drench, etc. Do not dispose of undiluted chemicals on-site. If the container has the drumMUSTER logo visible, and has been thoroughly cleaned and dried, and is free of any visible residues, it can be recycled at any drumMUSTER collection or similar container management program site. The cap should not be replaced, but may be recycled separately with the container. If not recycling, break, crush or puncture container and deliver to an approved waste management facility. If an approved waste management facility is not available, bury the broken, crushed or punctured containers 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product.

STORAGE
Store below 30°C (room temperature) in the closed, original container. Store bottle in carton to protect from light.

B:

EXP:

Combustible liquid.
Causes skin irritation and serious eye irritation.
May damage the unborn child.
May cause harm to breast-fed children.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not eat, drink or smoke when using this product.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

Store locked up.

