

**WARNING – KEEP OUT OF REACH OF CHILDREN
FOR ANIMAL TREATMENT ONLY**


ravensdown

Duo[®] Low Dose

ML/clear dual combination
oral drench for the treatment
and control of internal
parasites in sheep and cattle

ACTIVE INGREDIENTS:

2g/L abamectin, 80g/L levamisole
hydrochloride, 5g/L cobalt, 1g/L selenium

**LOW DOSE DUAL
COMBINATION DRENCH**



**Registered to: Nexan
Corporation Ltd**
PO Box 217234
Botany Junction
Auckland, New Zealand

Distributor: Ravensdown Ltd
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Hornby, Christchurch 8042
New Zealand
Phone: 03 353 4600

ravensdown.co.nz

**NET CONTENTS
20 Litres**



DUO® LOW DOSE | 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.

HANDLING PRECAUTIONS

DANGER May be harmful if swallowed, inhaled, or absorbed through the skin. May cause an allergic skin reaction. Suspected of causing genetic defects, damaging fertility or the unborn child, and harm to breast-fed children from repeated oral exposure. May cause damage to the blood/blood system, heart and liver from repeated oral exposure at high doses. Avoid skin, eye contact or inhalation. Avoid contact during pregnancy/breast-feeding. Wear protective clothing and gloves. Use in a well-ventilated area. Wash hands and exposed skin after handling. Do not eat, drink or smoke while using.

FIRST AID

If swallowed do not induce vomiting. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If on skin wash with plenty of soap and water. If in eyes rinse cautiously with water for several minutes. If inhaled remove to fresh air. If skin irritation or rash occurs, or eye irritation persists, get medical advice.

ENVIRONMENTAL PROTECTION

WARNING Very toxic to aquatic organisms with long-lasting effects. Harmful to the soil environment and terrestrial vertebrates. Very toxic to terrestrial invertebrates. Avoid release to the environment and contamination of any water supply with product or empty container. Collect spillage.

DISPOSAL

Dispose of unused product through Agrecovery Chemicals. Avoid contamination of any water source or the environment with product or empty container. Triple rinse empty container, puncture and recycle through Agrecovery. Do NOT burn.

EMERGENCY RESPONSE

For specialist advice in an emergency call the National Poisons Centre 0800 POISON (0800 764 766)

DIRECTIONS FOR USE

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

- SHAKE WELL BEFORE USE.
- Do not use in lambs under 20kg or under 4 weeks of age.
- Do not use in calves under 100kg.
- Do not use with milk or milk-feeders, or while calves are suckling.
- A representative sample of animals should be weighed before treatment.
- Dose rate to be based on the heaviest animal in each group (see precautions). Do not underdose.
- Where there is a large variation in size within the group, dose rate should be based on the label directions for each weight range.

Drafting into two or more lines may be appropriate, to avoid excessive overdosing.

- Regularly check the accuracy of the drench gun.
- Correct drenching technique should be used.

PRECAUTIONS

- Note this drench is in a concentrated form.
- Doses of three or more times those recommended can cause symptoms of levamisole toxicity, so estimate liveweights carefully.
- Animals under stress due to advanced pregnancy, adverse weather conditions, poor nutrition, prolonged yarding or dehydration may be more susceptible to toxicity.
- Fatal interactions may occur between levamisole and organophosphate dips.
- Do not use at the same time as any other selenised fertiliser, prill or product and do not exceed the stated dose or frequency without consulting a veterinarian.

RESISTANCE

- Resistance can develop to any anthelmintic.
- To delay the onset of resistance:
 - Ask your local veterinary practitioner or animal health adviser for recommended parasite management practices for your area to reduce development of resistance.
 - It is advisable that a resistance test be conducted regularly when using any parasite treatment.
 - Check effectiveness of anthelmintics at least annually.

WITHHOLDING PERIODS

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.

MEAT: Sheep 21 days - Animals producing meat or offal for human consumption must not be sold for slaughter either during treatment or within 21 days of the last treatment.

MEAT: Cattle 21 days - Animals producing meat or offal for human consumption must not be sold for slaughter either during treatment or within 21 days of the last treatment.

MILK: 35 days - Milk intended for sale for human consumption must be discarded during treatment and for not less than 35 days following the last treatment.

Registered pursuant to the HSNO Act 1996, HSRO07899. See www.epa.govt.nz for controls.
Registered pursuant to the ACVM Act 1997, No.A11503. See www.foodsafety.govt.nz for registration conditions.

Store in a cool dry place at room temperature (i.e. 5°C to 25°C). In transport emergency call 111, Police or Fire Brigade. For 24hr specialist advice in an emergency only call **0800 CHEMICAL (0800 243 622)**. If additional safety information is required, refer to the Safety Data Sheet (SDS). For a copy of the SDS phone 0800 100 123.

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (abamectin 0.2%)

UN Number 3082, Pack Group III,
Hazchem 3Z

BATCH:

EXP:

PHONE **0800 100 123**



Agrecovery is available on plastic containers up to 60L and for plastic or steel large drums from 61L - 1000L.

DOSE RATE: 1ml/10kg liveweight to give 0.2mg/kg abamectin and 8.0 mg/kg levamisole HCl.

SHEEP 1ml/10kg liveweight

LIVE WEIGHT	DOSE	DOSES/20L PACK
Less than 20kg	Do not use	
20kg	2ml	10000
30kg	3ml	6666
40kg	4ml	5000
50kg	5ml	4000
60kg	6ml	3332
70kg	7ml	2856
80kg	8ml	2500
Over 80kg	1ml/10kg	-

CATTLE 1ml/10kg liveweight

Less than 100kg	Do not use	
100kg	10ml	2000
150kg	15ml	1332
200kg	20ml	1000
250kg	25ml	800
300kg	30ml	666
350kg	35ml	570
400kg	40ml	500
450kg	45ml	444
500kg	50ml	400
550kg	55ml	362
600kg	60ml	332
650kg	65ml	306
Over 650kg	1ml/10kg	-

EFFICACY

DUO LOW DOSE contains abamectin, a member of the macrocyclic lactone (ML) drench family and levamisole hydrochloride, a member of the levamisole (clear) drench family. Also contains chelated cobalt and sodium selenate. Anthelmintic resistant strains: Duo Low Dose Drench may be effective in some populations of gastrointestinal worms with single or dual resistance to the avermectin/milbemycin, benzimidazole or levamisole/morantel anthelmintic action families.

Aids in selenium and cobalt supplementation.

At the recommended dose, this product is effective for the treatment and control of the following mature and immature parasites of sheep and cattle that are sensitive to macrocyclic lactones and/or levamisole (* includes L4; inhibited larvae):

Common Name	Genus	Sheep species	Cattle species
ROUNDWORMS			
ABOMASUM			
Barber's Pole Worm*	<i>Haemonchus*</i>	<i>contortus</i>	
Small Brown Stomach Worm*	<i>Teladorsagia *</i>	<i>circumcincta</i>	
		<i>Ostertagia*</i>	<i>ostertagi</i>
Stomach Hair Worm	<i>Trichostrongylus</i>	<i>axei</i>	<i>axei</i>
SMALL INTESTINE			
Black Scour Worm	<i>Trichostrongylus</i>	<i>colubriformis</i>	<i>longispicularis</i>
		<i>vitrinus</i>	
Small Intestinal Worm*	<i>Cooperia*</i>	<i>curticei</i>	<i>oncophora</i>
			<i>punctata</i>
Thin-Necked Intestinal Worm	<i>Nematodirus</i>	<i>filicollis</i>	<i>helvetianus</i>
		<i>spathiger</i>	
Hookworm	<i>Bunostotnum</i>		<i>phlebotomum</i>
	<i>Strongyloides</i>	<i>papillosus</i>	
LARGE INTESTINE			
Large Bowel Worm	<i>Oesophagostomum</i>	<i>venulosum</i>	<i>radiatum</i>
Large-Mouthed Bowel Worm	<i>Chabertia</i>	<i>ovina</i>	
Whipworm	<i>Trichuris</i>	<i>ovis</i>	
LUNGWORM			
Large Lungworm	<i>Dictyocaulus</i>	<i>filaria</i>	<i>viviparus</i>