

## Treatment options

- ▶ Quarantine drench for all stock coming onto or leaving the property.
  - ▶ Young cattle for finishing.
  - ▶ Dairy heifers.
- ▶ Inclusion in a drench programme with dual combinations.
- ▶ Routine drenching of cattle.

### Dairy calves.

A regular drenching programme from weaning will reduce production losses associated with a worm challenge.

### Beef calves.

Strategic drenching from marking/weaning will reduce their time to target or slaughter.

### Yearlings.

A regular drenching programme will increase liveweight gain and reduce their time to target liveweight or slaughter.

### Adult cattle.

A treatment in the autumn/drying off provides a clean out and can improve conditions going into the winter.

### ALLIANCE product details

5L backpack and a 10L drum.  
Includes cobalt and selenium.

#### Dosage

1mL per 10kg liveweight for both sheep and cattle.

#### Doses per pack (10mL per 100kg liveweight)

- ▶ 500 doses per 5L
- ▶ 1000 doses per 10L

#### Withholding periods

Milk: 35 days.

Meat: 21 days (sheep), 35 days (cattle).

## Our recommendation for your farm

Product: \_\_\_\_\_

Volume required: \_\_\_\_\_

Dose rate: \_\_\_\_\_

Price: \_\_\_\_\_

Comments: \_\_\_\_\_

For more details on ALLIANCE talk to your Intervet/Schering-Plough Territory Manager. For further information on drench resistance go to [www.smartdrenching.co.nz](http://www.smartdrenching.co.nz) or call 0800 800 543 for a copy of *A Farmer's Guide to Smart Drenching*.



**ALLIANCE®**  
Smart Triple.

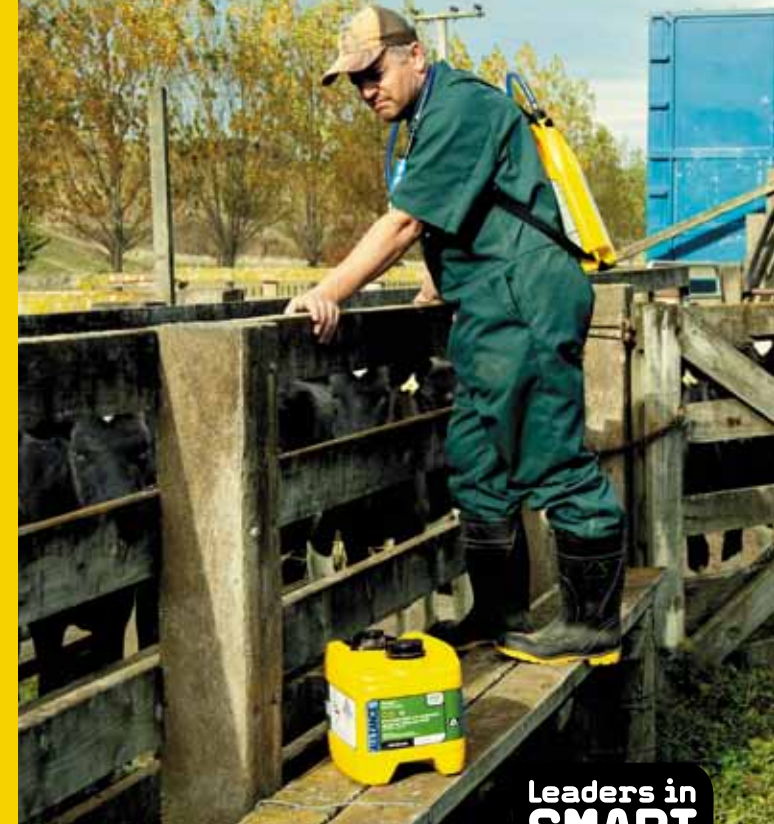


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Schering-Plough Animal Health, 33 Whakatiki Street, Upper Hutt, NZ Phone: 0800 800 543. ALL-414-2009.

# Cattle

## FACT SHEET

As a triple combination  
**ALLIANCE** is the ideal  
quarantine drench for all  
cattle coming onto  
my property.



Leaders in  
**SMART  
DRENCHING**

## Sustainability of drenching

### Drench resistance is widespread to all three economically important worm species of beef cattle.<sup>1</sup>

19 out of 20 farms that finish beef cattle have resistance to at least one drench family. Young dairy replacements are exposed to similar risks and you should consider the possibility of resistance being present on your farm.

Table 1. Proportion of cattle farms with resistant worm populations by drench family and roundworm species.

	ML	White	Clear
<i>Cooperia spp</i>	****	****	*
<i>Ostertagia spp</i>	**	***	**
<i>Trichostrongylus spp</i>	*	**	*

\*\*\*\* very common (>50%), \*\*\* common (10–50%), \*\* uncommon (5–10%), \* rare or undetected (<5%)

- ▶ The frequent use of single active ML's (endectocides) means that resistance to this drench family is a major concern.
- ▶ Levamisole is the only drench active which has retained its efficacy against *Cooperia*<sup>2</sup>, a major problem in young growing cattle.
- ▶ Using 3 actives in combination is the best approach for drench resistance management.

### Combination drenches minimise the risk.

Combination drenches are an important tool to manage or delay drench resistance as they:

- ▶ Avoid a heavy reliance on a single active.
- ▶ Ensure continued efficacy against important worm species.
- ▶ Achieve on-going productivity.
- ▶ Extend the life of each drench family.

You need to be confident that the drench you are using will combat drench resistance. Worms resistant to one active are killed by the other active, reducing the probability of any resistant worms surviving. The addition of a third active to the combination provides unsurpassed efficacy and leaves nothing to chance.

There is a one in a thousand chance of worms developing resistance to a single drench active, a one in a million chance of worms developing resistance to a dual combination and one in a billion chance of developing resistance to a triple combination.

**A triple combination is an investment in the future.**

## Border protection programme

### Does your farming operation introduce stock to the property?

If so, there is a high risk they will bring resistant worms. This risk is greatest where large numbers are regularly moved on or off the property. If the drench resistance status of worms from this stock is not known, it is best practice to assume the worst.

**Quarantine drench all brought-in stock before leaving the yards.** Always use a triple combination. A poor choice of quarantine drench can actually make the situation worse.

**Following the quarantine drench, hold stock off pasture for 24 hours.** The eggs from worms living in these animals when they arrive will take several days to emerge, but most will be excreted after 24 hours. It is important that these eggs are deposited in a place where they can't complete their lifecycle.

**Put incoming stock on contaminated pasture.** This will dilute any worms that survive the triple combination treatment and minimise the risk of them adding to your farm's resident worm population.

**It is crucial to put an effective programme in place to ensure your farm is protected.**

## ALLIANCE: Best practice for border protection and drench resistance management

### Abamectin.

- ▶ The most potent short-acting ML.
- ▶ Best drench family for controlling *Ostertagia*, the most important cattle roundworm.

### Oxfendazole.

- ▶ The most potent of the white drenches.

### Levamisole.

- ▶ Only drench family which has retained efficacy against *Cooperia* in cattle.

### Cobalt (5.0g/L).

- ▶ Given monthly it will boost vitamin B12 concentration.

### Selenium (1.0g/L).

- ▶ Given monthly the dose is sufficient in most circumstances to maintain adequate Se levels in stock.

## ALLIANCE: The smart triple

### Benefits of using ALLIANCE.

- ▶ Abamectin/Levamisole/Oxfendazole (ML/clear/white) combination drench.
- ▶ Effective against worms with single or dual resistance to any of the three main drench families.
- ▶ Best practice for drench resistance management.
  - ▶ Unsurpassed efficacy and broadest spectrum.
  - ▶ Leaves nothing to chance.
  - ▶ Greatest potential to improve productivity.
  - ▶ Will optimise the productive life of all three drench families.
- ▶ All you need for quarantine drenching.
- ▶ Same product for both sheep and cattle.
- ▶ Aids in selenium and cobalt supplementation.
- ▶ From the same company as SCANDA, a leading white/clear and CONVERGE, a new alternative dual option.
- ▶ Is included in the Agrecovery recycling programme.

### When should you use ALLIANCE in cattle?

- ▶ As your product of choice for a border protection programme.
  - ▶ Quarantine drench of choice for all cattle.
  - ▶ Can be continued in a drenching programme or replaced with a dual combination such as CONVERGE (ML/clear) or SCANDA (white/clear).
- ▶ If you are serious about drench resistance and want peace of mind.
  - ▶ Minimise the risk and maximise productivity.
- ▶ If you want the best, it can be used for routine drenching of all stock.
- ▶ If you have a preference for using an oral drench in cattle.
  - ▶ Provides the full advantages of a combination.
  - ▶ A 4-week treatment interval with a short-acting combination minimises the time resistant worms are selected.
  - ▶ Cost of treatment is less than a pour-on.