

Treatment options

- ▶ Quarantine drench for all stock coming onto or leaving the property.
 - ▶ Lambs/young cattle for finishing, dairy heifers.
- ▶ Inclusion in a drench programme with dual combinations.
- ▶ Routine drenching of lambs, ewes and beef cattle.

Lambs.

A regular drenching from weaning will reduce production losses from a worm challenge and reduce their time to target liveweight or slaughter.

Ewes.

Drenching reduces their contribution to pasture larvae contamination and keeps them in peak condition at key times.

Calves.

Strategic drenching from marking/weaning will reduce production losses from a worm challenge and reduce their time to target liveweight 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 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 (4mL per 40kg liveweight)

- ▶ 1250 doses per 5L
- ▶ 2500 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 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-413-2009.

 **Intervet**
Schering-Plough Animal Health

FACT SHEET Sheep

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



Leaders in
**SMART
DRENCHING**

 **Intervet**
Schering-Plough Animal Health

Sustainability of drenching

Drench resistance is widespread to all economically important worm species of sheep.^{1,2,3}

About 2 out of 3 sheep farms have resistance to at least one drench family.

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

	White	Clear	ML	White + Clear
<i>Haemonchus spp</i>	***	*	**	*
<i>Teladorsagia (Ostertagia) circumcincta</i>	***	***	***	*
<i>Trichostrongylus spp</i>	***	**	*	**
<i>Nematodirus spp</i>	****	**	**	**
<i>Cooperia spp</i>	**	*	**	*

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

Although not surveyed, resistance to a ML + Clear combination and a ML + White + Clear combination would be expected to be extremely low. These drenches are expected to be 100% effective on nearly all farms at present.

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.

Oxfendazole.

- ▶ The most potent of the white drenches.

Levamisole.

- ▶ Excellent efficacy against *Haemonchus* and *Cooperia*.

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 growing 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 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.
- ▶ Low-dose formulation in sheep.
 - ▶ Reduces the effect of rumen bypass in young lambs to ensure greater effectiveness of the drench.
 - ▶ Smaller dose is ideal for heavier stock.
 - ▶ Convenience of more doses per pack.
- ▶ Same product for both sheep and cattle.
 - ▶ Multiple uses on farm.
- ▶ 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 sheep?

- ▶ As your product of choice for a border protection programme.
 - ▶ Quarantine drench for all stock.
 - ▶ Can be continued in a drenching programme or replaced with a dual combination such as SCANDA (white/clear) or CONVERGE (ML/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 a low-dose formulation.