COOPERS ANIMAL HEALTH VACCINE PRODUCT RANGE – PRODUCT INFORMATION FOR CATTLE

Cattle Disease/Condition	TASVAX* 5 in 1	TASVAX* 8 in 1	CATTLEVAX 7 in 1	PILIGUARD	BOVILIS MH	BOVILIS S	BOVILIS E
Blackleg (*Clostridium chauvoei*)	✓	✓	✓				
Pulpy kidney (*Cl perfringens* Type D)	✓	✓	✓				
Tetanus (*Cl tetani*)	✓	✓	✓				
Black disease (*Cl novyi* Type B)	✓	✓	✓				
Malignant oedema (*Cl septicum*)	✓	✓	✓				
Haemorrhagic enterotoxaemia (*Cl perfringens* Type B and C)		✓					
Redwater disease (*Cl haemolyticum*)		✓					
Leptospirosis interrogans serovar *hardjo*			✓				
Leptospirosis interrogans serovar *pomona*			✓				
Pinkeye (*Moraxella bovis*)				✓			
Respiratory disease (*Mannheimia haemolytica*)					✓		
Salmonellosis						✓	
E. coli K99 diarrhoea							✓
Dose Rate	4 mL	5 mL	4 mL	2 mL	2 mL	2 mL	2 mL
Pack Size	100 mL 250 mL 500 mL	250 mL 500 mL	100 mL 200 mL 500 mL	20 mL 100 mL	100 mL 250 mL	100 mL 250 mL	100 mL 250 mL
Vaccine Adjuvant	Aluminium salts	Aluminium hydroxide	Aluminium salts	Oil emulsion (emulsigen)	Oil emulsion (emulsigen)	Aluminium salts	Oil emulsion (emulsigen)
Vaccine Preservative	Thiomersal	Thiomersal	Thiomersal	Gentamycin (≤30 µg/mL)	Thiomersal, polymixin B (0.1 mg/mL)	Thiomersal	Thiomersal

* Tasvax 5 in 1 Plus Selenium is also available and is registered for use in cattle but it is only recommended for short term prevention of selenium deficiency in lambs. For selenium deficiency in cattle Coopers recommends the use of Permatrace® Selenium pellets.

TRIFECTA

A TRIPLE DRENCH THAT DEFENDS SHEEP AND CATTLE AGAINST DRENCH RESISTANCE

Sheep farmers have been fighting drench resistant worms and resultant production losses for many years. Alarmingly, drench resistance is increasing on Australian cattle properties as well.

Resistance to drenches occurs where parasites are able to survive treatment doses that would normally kill parasites of the same species and life-cycle stage[1,3].

Coopers Trifecta has been developed to allow Livestock producers to utilise the three best practice recommendations to fight drench resistance and DRENCH BETTER.

SHORT ACTING DRENCHES ARE BETTER RESISTANCE FIGHTERS

Long acting drenches expose parasites to the active ingredients over a long period of time, this combines with the fact that as the drench 'tails off' parasites can be exposed to sub-lethal doses of the active has been proven to aid in the onset of resistance[1,3].

Short acting drenches don't continue to expose the worms to the active over long periods and this reduces the selection for resistance.

"Short-acting drenches are generally recommended, with long-acting products considered only under prolonged high worm-risk conditions. Using long-acting products may increase the rate of drench resistance development."

Wormboss^

ORAL DRENCHES GO ONE BETTER: DIRECT TO THE WORMS

Oral treatments for worms go straight to the gut where worms live. This gives increased efficacy and reduces the selection pressure for resistance to develop[1,3] since injections or pour-ons have to be absorbed into an animal's bloodstream, and then re-circulated to be released into the gut tissue where the worms live.

"It seems reasonable that this difference in efficacy results from a difference in the concentration of active reaching the parasites via the different routes of administration."

Leathwick & Miller 2013
AgResearch

COOPERS® EST. 1843

THREE ACTIVES ARE BETTER THAN ONE

Trifecta contains 3 different active ingredients to kill worms. Even if a worm population is resistant to one active it will be killed by the others. As a result triple combination drenches are recognised as a very effective tool in long term drench strategies[1].

"Parasitologists generally agree that, if delaying resistance is the prime objective, it is better to use a combination of two or more effective broad-spectrum drenches than using these drenches on their own[4]. Such a combination will be better at killing resistant worms than the individual 'actives' acting alone, and thus the development of anthelmintic resistance will be slower."

Stephen Love
Veterinarian/
State Worm
Control Coordinator,
Armidale[5]

COOPERS® EST. 1843

PINKEYE PREVENTION IS ALWAYS BETTER THAN TREATMENT!

To avoid the rampant outbreaks of pinkeye observed in beef and dairy herds in Gippsland last year, farmers are being encouraged to adopt integrated pest managements (IPM) strategies to reduce the incidence of pinkeye in the upcoming season.

The effects of pinkeye are of great concern amongst farmers as the disease has considerable animal welfare and production implications which can cause[1]:

- significant pain and distress to the animal
- weight loss or a reduction in daily weight gains
- decline in appetite and overall production
- decrease in milk yield
- stress and labour costs for farm owners/managers
- significant treatment costs and antibiotic usage
- cattle rejected for sale (eg. feedlots, saleyards & export)

Pinkeye is a highly contagious, debilitating and complex disease with the primary cause of disease being the bacterium, *Moraxella bovis*. *M. bovis* is found in the nasal and eye secretions of cattle and is often transferred between cattle by flies. The first clinical sign of pinkeye in cattle is increased tear production as *M. bovis* attaches to the surface of the cornea. Considerable damage to the eye can occur as *M. bovis* produces toxins which can erode the cornea and cause ulceration and severe inflammation. Permanent scarring or rupture of the eye may occur in a worst case scenario. Early treatment is important in managing the disease process and limiting spread of infection. **All young cattle are highly susceptible to pinkeye, particularly calves heading into their first summer and autumn or older cattle with no previous exposure to the bacteria.**

Environmental and herd management factors play a key role in the development of the disease – dry, dusty conditions are conducive to severe outbreaks, as they can cause underlying eye damage, which enables easier attachment of the bacteria to the surface of the eye. Tall standing feed or hay, overcrowding (eg. cattle congregating around troughs, shaded areas and at feeders) and a poor immune response are also contributing factors which can increase the risk of a pinkeye outbreak. If preventative measures aren't employed and flies aren't controlled, pinkeye can rapidly spread through a herd.

Prevention is always better than treatment and using an integrated pest management (IPM) approach will help reduce the incidence of pinkeye on farm. The key components of an IPM strategy include:

1. Vaccinate cattle with Coopers® Piliguard **3-6 weeks prior** to the onset of the fly season (ideally in September).
2. **Fly control**: treat with Coopers® Easy Dose at the onset of the fly season and continue controlling fly numbers during the season whilst also managing fly feeding and breeding sites. This is particularly critical for calves as they can be infected early.
3. Maintain good hygiene and dust control around dairies and cattle yards.
4. Treat wounds early to reduce fly numbers.
5. Manage predisposing eye irritants (i.e. dust, long grass, hay).
6. Early treatment and isolation of infected cattle will reduce sources of infection.

Coopers® Piliguard is the only registered pinkeye vaccine available. It is a trivalent vaccine which aids in the control of pinkeye associated with infection by *M. bovis* and has cross-reactivity with approximately 80% of *M. bovis* strains in Australia[2]. Vaccinating with Coopers® Piliguard 3-6 weeks prior to the onset of the fly season is crucial, to ensure antibodies have reached a protective level prior to *M. bovis* exposure. For central and North Victoria vaccination should be carried out from early September latest October 1st. Flies should be controlled through the season using Coopers® Easy Dose along with other measures.

For more information on pinkeye prevention and Coopers Piliguard® contact your local Coopers Animal Health Representative; Mandy Macartney on 0438 642 962 or 1800 885 576.

[1] Farquhar, Neil. Champness, David edit. "Pink-eye in Beef Cattle." www.agriculture.vic.gov.au, Sept. 1998 Update: Feb 2010 [19/07/2016] 'http://agriculture.vic.gov.au/agriculture/pests-diseases-and-weeds/animal-diseases/beef-and-dairy-cows/pink-eye-in-beef-cattle'

[2] MSD data on file

AU/PIL/0816/0002

The world's #1 weigh scale, now faster and even smarter

The top of the line choice in weigh scales, the TSi 2 is the only touch screen, integrated weigh scale, computer and animal management system available. It provides immediate access to detailed animal information, anywhere, at any time – in the yard, the office or on the farm.

Now faster and even smarter:

- New Fast Weigh software dramatically increases weight lock speeds
- New in-built WiFi to send data directly to to NLIS or other web based databases
- Upgraded analysis software with even easier menu system for data review and reporting

Livestock Manager TSi 2

G01901

ANIMAL PERFORMANCE SOFTWARE (APS) INCLUDED
Supplied with award-winning APS Professional for analysis and reporting purposes with powerful reporting capability to provide virtually any information you need (APS Professional valued at $1198 Incl. GST)

TOUCH SCREEN
Full colour outdoor readable touch screen with large touch buttons

RAPID, ACCURATE, AUTOMATIC WEIGHT CAPTURE

CUSTOMISABLE SESSIONS
Easily customise weighing and data recording sessions to collect specific traits, activities, notes etc

RUGGED EXTERIOR
Tough farm ready design for all-weather use

SIMPLE RECORDING AND RETRIEVAL
Collection of comprehensive data and retrieval of information at the touch of a button, while in the yard

COMPREHENSIVE DRAFTING
Draft by weight, EID number or custom defined rules

EASILY TRANSFER DATA
WiFi enabled to allow upload of data directly to web and share with third parties eg. NLIS.

SIGNIFICANT MEMORY CAPACITY
Entire life history of all animals stored for on-farm viewing - over one million animal records can be stored

EXCEPTIONAL CONNECTIVITY
Bluetooth wireless connection and full integration with loadbars, EID readers, auto drafters and other management software

Pedigree Chart

View the pedigree and progeny of an animal in the yard and view summary statistics on its progeny (weaning weight shown).

Weight History

Review full weight history for an animal at the touch of a button.

Dose Calculations

Immediately calculate the exact dose for each animal based on live weight.

Statistics Analysis

Work out which groups of animals are outperforming the others (breed shown).

WEID: Electronic Weighing & Stock Identification

Summary of operations	**Solution**
"Harewood", 405ha (1,000 acres) + 1,620ha (4,000ac) leased at Braeside, Queensland 350 breeder cows 1,000 store cattle, depending upon season	TSi Livestock Manager, weigh scales + HR3 Hand Held EID Tag Reader

WEID solution guides better cattle buying

Steve and Fran Thompson run 350 cows over 2,025 hectares (5,000 acres) of owned and leased country, selling off the progeny as weaners. They also buy and sell store cattle; trading up to 1,000 in a good year.

Buying their original farm "Harewood" in 1988, the Thompsons have slowly added to their Darling Downs property, which has an annual rainfall of some 784 millimetres (30.87 inches).

Steve says, "We had a set of scales; they were okay, but did give us a few problems. But on top of not doing the job properly, we'd just outgrown them. They could just weigh, and that was it. We couldn't do any recording of any substance."

So the Thompsons looked around and chose the Gallagher TSi.

Record detailed information

"We want to watch the daily weight gain for the cattle we're feeding, but we also wanted to be able to record other statistics, for example, breed, purchase price and so on. I like keeping an eye on cattle weights when they're leaving here also, so I can make sure there are no discrepancies with sale weights.

"It also gives us a better idea of our cattle. We weigh them and know their weights exactly, rather than guessing. This lets us work out our yields accurately.

"Our eldest daughter Stephanie works off farm, but she's pretty keen on what this TSi can do. If we're inducting cows, she'll record a whole lot of detailed information, which is important in gaining knowledge about breeds which are most profitable for the enterprise.

"Some breeds perform better, and as we have adapted this technology to our business, we're buying better now, which obviously has advantages at the other end."

Scanner flexibility

And Steve likes the flexibility that the HR3 Hand Held EID Tag Reader gives him in the yards.

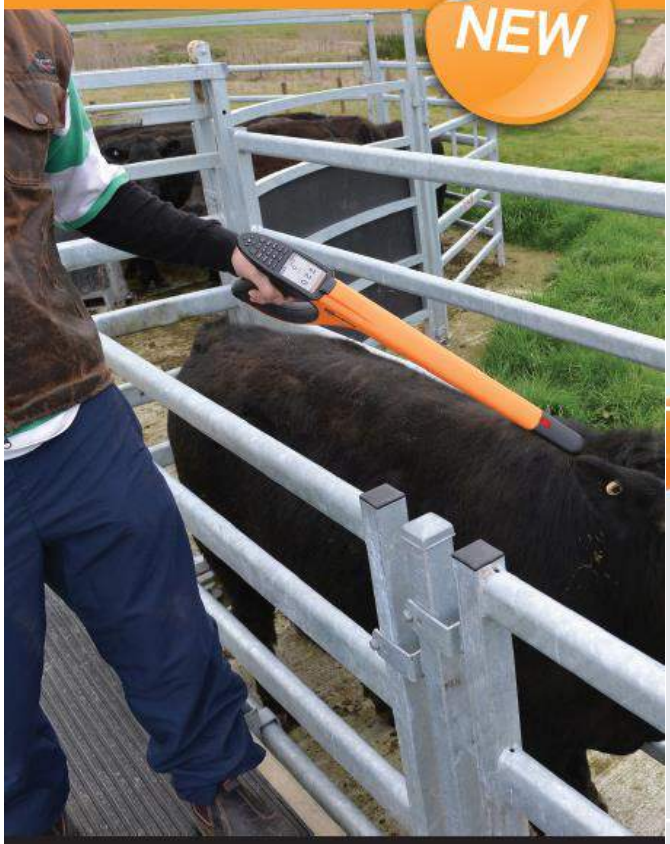
"I find the fact it's not attached to the scales very good. I do a fair bit of yard work by myself. I can walk back and scan the cattle while they're walking up on to the scales. So usually they're weighed and I can let them off straightaway."

Steve and Fran are also impressed with Gallagher's customer service. "If we have an issue, it's just a phone call away. When we bought the TSi, Rob [Doro, Gallagher's Territory Manager for South East Qld] spent time showing us how to use it efficiently."

Media Contact: Stephanie Larkin **Writer: Samantha Schelling**

HR5 Hand Held EID Tag Reader & Data Collector

NEW



GALLAGHER

LARGE EASY TO READ SCREEN
2.8" backlit colour display with high-resolution large graphics - easy to read indoors and out.

ADD and EDIT ANIMAL DATA
Add and edit data in the yard using the alpha numeric keypad.

MARKET LEADING ERGONOMIC DESIGN
Comfortable soft grip handle, and ergonomically designed hand guard to reduce risk of trapping hand or arm in animal handler.

Collect data, not just EID numbers

Choose multiple traits to record against each animal such as breed, sex, condition score and pregnancy status.

Versatile data entry

- Numeric, text, date and pick-list type traits can be entered eg. entering an observation using the free text entry field
- Animal notes can be set to appear when the animal is next scanned.

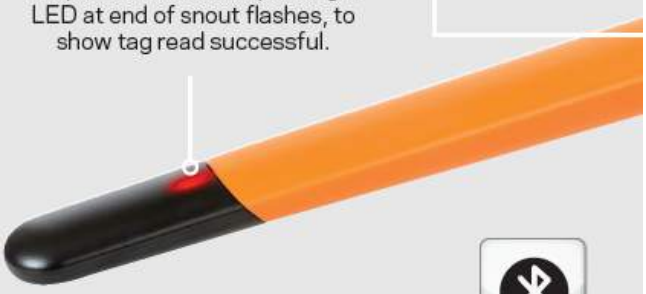
HR5 Hand Held EID Tag Reader & Data Collector

G03303

ANIMAL PERFORMANCE SOFTWARE (APS) INCLUDED
Analyse data and upload to NLIS in three easy steps (APS Standard valued at $199+GST).

FAST and CONTINUOUS READING
Read multiple tags in quick succession with one trigger click – no need to repeatedly click the trigger between reads.

LED and BEEPER
Beeper sounds and super bright LED at end of snout flashes, to show tag read successful.



SIMPLE CONNECTIVITY
Easily connect via Bluetooth to other devices. Cables included for PC connection and to charge in-car.

Dear Valued Client,

We are writing to inform you that we will be holding our annual Christmas Store Cattle Sale to be held at the Corryong Municipal Saleyards on the Friday 9th December 2016 commencing at 1:00pm.

This annual fixture has proven to be a wonderful success. Cattle have been previously sold to producers both locally and from Tasmania, South Australia and Northern New South Wales. From the way the cattle industry is running, this year will be no exception.

Your participation over the years have been greatly appreciated and we hope that you will have your consignments once again.

We will be contacting you late September to let us know of your support for this fixture.

Regards,

Graham & Justin Costello

COSTELLO PRE-VACCINATION PROGRAM

Certificate # : _____

Property Name : _____ PIC # : _____

Owner Name : _____ Town: _____

Phone : _____

PRE-VACCINATION PROGRAM TYPE

Tick the box for relevant program used

PRE-VACC BRONZE	PRE-VACC SILVER	PRE-VACC GOLD
CLOSTRIDIAL 5in1 PILIGUARD	CLOSTRIDIAL 5in1 PILIGUARD BOVILIS MH	CLOSTRIDIAL 5in1 PILIGUARD BOVILIS MH+IBR
○	○	○

VACCINATION DETAILS

Mob Name : _____ Breed Type : _____ Head Count: Steers ____ Heifers _____

Vaccines Used	Vaccination Date	Batch #	Expiry Date	Unique ID
Clostridial 5in1 (TASVAX 5in1)				
PILIGUARD				
BOVILIS MH				
BOVILIS MH+IBR				

All vaccinations have been completed as a minimum single (priming) dose program, additional boosters may be required

VERIFICATION DETAILS

_____ Signed (producer / agent)

__/__/__ Date

_____ Name (producer / agent)

CostelloRural

COOPERS EST. 1843

TYPICAL HEALTH MANAGEMENT PLANNER

COOPERS®

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	NOTES
BULLS			Purchase new bulls or develop AI[1] program Consider purchasing an accredited bull	Test for liver fluke	Lice, fluke and worm assessment and treatment		Ensure adequate feed to prevent weight loss Pre-join physical examination Vaccination (7in1, vibriosus, pestivirus vaccine	Watch for nitrate poisoning	Purchase new bulls/ bull exchange or continue AI program Fluke treatment	Test for liver fluke		Bulls removed	
COWS	Fluke treatment if hot dry summer	Pregnancy test Sell empty/dry cows	Fat score cows and assess pasture for last trimester pregnancy		Lice, fluke and worm assessment and treatment	Vaccination booster 7in1	Calving (2 cycles only – check breeding tables for exact dates) Grass tetany prevention		Pestivirus vaccine 2-4 weeks prior to joining	Joining (2 cycles only – check breeding tables for exact dates)		Bulls removed	*Adjust if different calving cycle*
HEIFERS	Pregnancy test	Sell empty/dry heifers				Vaccination booster 7in1	Calving (2 cycles only – check breeding tables for exact dates) Best fed available to increase liveweight		Pestivirus vaccine 2-4 weeks prior to joining	Joining (2 cycles only – check breeding tables for exact dates)		Bulls removed	*Go to cows*
CALVES									Calf marking Primary course vaccination 7in1, 5in1 and BRD vaccine Pinkeye vaccination	Vaccine booster[2] (7in1, 5in1 and BRD vaccine) – >4 up to 8 weeks old			*Go to heifer/steer weaner*
HEIFER WEANERS		Supplementary feed may be required to ensure heifers reach mating weight target	Wean drench (worm and fluke) Low worm paddock Pestivirus vaccine primary dose and BRD vaccine	Vaccination booster 7in1 and BRD vaccine	Lice, fluke and worm assessment and treatment					Joining (2 cycles only) Worm test (+/- treat) Pestivirus booster			*Go to heifers* *Incorporate drench rotation between oral and pour-on/ injectable*
STEER WEANERS		Monitor steer performance (target >0.6 kg/day av.), weigh every 6 weeks Sell (+NLIS) or supplementary feed may be required to ensure steers reach target	Wean drench (worm and fluke) Low worm paddock BRD vaccine	Vaccination booster 7in1, 5in1 and BRD vaccine	Lice, fluke and worm assessment and treatment			Worm test (+/- treat)		Worm test (+/- treat) Pestivirus booster		Sell (+NLIS) at 1.5 year old steers	*Incorporate drench rotation between oral and pour-on/ injectable* *Treat as to target end market e.g. Bovilis MH+IBR – feeder cattle*

1. Artificial Insemination.
2. Calves get immunity for up to 2 months from birth if mothers appropriately vaccinated.
3. Adapted from Beef Calendar of operations (Southern NSW), Small farms and rural living network.

Talk to Coopers on 1800 885 576 for more information

TYPICAL HEALTH MANAGEMENT PLANNER

COOPERS®

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	NOTES
BULLS													
COWS													
HEIFERS													
CALVES													
HEIFER WEANERS													
STEER WEANERS													

1. Artificial Insemination.
2. Calves get immunity for up to 2 months from birth if mothers appropriately vaccinated.
3. Adapted from Beef Calendar of operations (Southern NSW), Small farms and rural living network.

SEASONAL HEALTH CALENDAR

COOPERS®

CATTLE

PRE-CALVING (BEEF)

* Key time to prepare for the following calving and lactation.
* Plan feed requirements to ensure they calve in optimum condition score.
* Vaccinate for clostridial diseases and calf scours to manage disease in the newborn calves.
* Internal parasite control should also be administered if necessary.
* First calf heifers will need extra attention particularly in relation to internal parasites and condition score.

Disease / Issues	Related products
Scours (vaccinate cows prior to calving)	Rotavec Corona / Bovilis S
Salmonella (vaccinate cows)	Bovilis S
Clostridial / Lepto	Cattlevax 7in1
	Tasvax 5in1 or 8in1
Intestinal parasites	Trifecta
	Paramax Pour-On
	Panacur 100
Intestinal parasites and liver fluke	Nilzan
Nutritional	Permatrace Selenium / Copper / Cobalt (B12)

Remember: First calf heifers will be getting two dose program for calf scour vaccines.

CALVING

* Monitor calving, particularly in heifers, and assist where necessary.
* Monitor condition score and feed availability / ration to ensure metabolic diseases are controlled and the cattle are in ideal condition for joining.
* Monitor calf health and vitality and treat where necessary.
* Prepare bulls for joining – condition, soundness exam.
* Final selection and prepare replacement heifers for joining.

Disease / Issues	Related products
Scours (calves)	Rainbow 6 (pathogen testing)
Hygiene	Hibitane
Clostridial / Lepto (calves will require 2 shots 4-6 weeks apart)	Cattlevax 7in1
	Tasvax 5in1 / 8in1

HEIFER MANAGEMENT / CALF WEANING

Beef only

* Yard weaning is ideal for long-term health and production benefits.
* Prevent production losses in weaners: good intestinal parasite control and fully vaccinate against clostridial diseases.
* Consider BRD vaccines in weaners.
* One of the final opportunities to cull empty cows before calving begins (if not PTIC already).
* First round selection of replacement heifers.

Disease / Issues	Related products
Clostridial / Lepto	Cattlevax 7in1
	Tasvax 5in1 / 8in1
Intestinal	Trifecta
	Paramax Pour-On
	Panacur 100
Intestinal worms and liver fluke	Nilzan
Nutritional	Permatrace Selenium / Copper / Cobalt (B12)
Fly control	Coopers Easy-Dose
Respiratory	Bovilis MH (live export heifers), Bovilis MH+IBR (non-export heifers, feeders, bullocks)

MATING

* Internal parasite control.
* Ensure bulls are sound and that there are no testicular or penile abnormalities.
* Make sure the bulls and cows are in ideal condition for joining.

Disease / Issues	Related products
Intestinal	Trifecta
	Paramax Pour-On
	Panacur 100
Intestinal worms and liver fluke	Nilzan
Clostridial (bulls booster)	Cattlevax 7in1
	Tasvax 5in1 / 8in1

SEASONAL

Preventative strategies

Plan pinkeye and lice protection well ahead of season (Pitiguard and Stampede). Where pre-disposing risks for pulpy kidney disease exist (eg. lush pasture, grain feeding), ensure adequate immunity with clostridial vaccination.

Treatment strategies

As flies and ticks emerge, commence symptomatic treatment (Coopers Easy-Dose and Coopers tick products).

Pre-sale strategies

Beef-selling premiums may be achieved if pre-vaccinated against BRD.

Disease / Issues	Related products
Summer fly	Coopers Easy-Dose
Pinkeye	Pitiguard (before pinkeye season strikes)
Pulpy kidney	Cattlevax 7in1
	Tasvax 5in1 / 8in1
Winter lice	Coopers Easy-Dose
	Stampede
Cattle tick	Blockade S
	Tixafly
	Amitik WP
Pre-feedlot sale	Bovilis MH+IBR

SHEEP

PRE-LAMBING EWES

* Administer clostridial and erysipelas vaccines for protection of lambs until marking.
* Intestinal parasite control is often needed – check with a Worm Egg Count.
* Monitor available pasture and supplement where required – begin supplementation early enough to reduce mis-mothering issues and metabolic diseases at lambing.

Disease / Issues	Related products
Clostridial and erysipelas	Tasvax 8in1
	Guardian 6in1
	Tasvax 5in1
	Eryguard
Intestinal parasites	Trifecta
	Panacur 25 / Valbazen
	Scanda
	Nilverm
Intest / liver fluke	Nilzan

LAMBING / MARKING

Monitor lambing to

* Reduce neonatal mortality.
* Control predators.
* Monitor need for timely assisted delivery.
* Monitor ewe health.
* Monitor weather conditions and ensure protection is available.
* Administer clostridial and erysipelas vaccinations.

Recording and Analysis – flock metrics

* Lamb marking percentages.
* Scanning to marking percentages (if applicable).

Disease / Issues	Related products
Clostridial and erysipelas	Tasvax 8in1
	Guardian 6in1
	Tasvax 5in1
	Eryguard
Hygiene	Hibitane

WEANING

* Ensure lamb weights are suitable for weaning to reduce post-weaning losses.
* Internal parasite control is often required – check WECs pre-weaning.
* Booster clostridial and erysipelas vaccinations if not already administered.
* Plan nutrition and feed availability to reduce losses and maximise growth.

Disease / Issues	Related products
Clostridial and erysipelas	Guardian 6in1
	Tasvax 5in1
	Tasvax 8in1
	Eryguard
Intestinal parasites	Trifecta
	Panacur 25 / Valbazen
	Scanda
	Nilverm
Nutritional	Permatrace Selenium / Copper / Cobalt (B12)

PRE-JOINING & JOINING

* Ram soundness inspections and condition score – supplement feed to increase fertility.
* Monitor ewe condition and ensure optimal for fertility.
* WEC to determine need for drench.
* Select lambing and weaning paddocks now to plan worm control strategies for these paddocks.
* Consider Campylobacter vaccination if marking percentages have been low, abortions seen previously or maidens marking % significantly below main flock.
* Discuss any health or marking percentage concerns with your consultant.

Disease / Issues	Related products
Reproductive losses	Campyvax
Nutritional	Permatrace Selenium / Copper / Cobalt (B12)

SEASONAL

* Shearing often coincides with other management activities: in addition to lice control, this may be a suitable time to drench or vaccinate.
* Fly control is best done as a preventative but if strikes are present ensure the product used will also kill maggots in existing strikes (e.g. Coopers Blowfly and Lice).

Disease / Issues	Related products
Off-shears lice	Maverick
	Assassin (dip)
Fly control	CBFL
Long wool lice	CBFL
	Vanquish
	Strike (dip)
Pulpy kidney	Tasvax 8in1
	Tasvax 5in1
	Guardian 6in1
Hygiene	Hibitane

Always read individual product labels for full directions.

www.coopersanimalhealth.com.au

Talk to Coopers on 1800 885 576 for more information