



COOPERS[®] ANIMAL HEALTH
NORTHERN AUSTRALIA
CATTLE PRODUCT GUIDE

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150 years of working alongside Northern Australian cattlemen

Coopers Animal Health is the largest supplier of animal health products to Northern Australian Cattlemen with the most comprehensive range of products that deliver consistent results. The team at Coopers has been dedicated to working alongside farmers protecting and improving the health of their stock for over 150 years.

At Coopers, we aim to provide solutions rather than just products. Our team in Northern Australia have a wealth of animal health experience behind them and are always available to share that experience or just to have a chat about issues you may be facing. While this manual attempts to give you an overview of product options available to you, nothing beats a one on one discussion.

To speak to your local Coopers Territory Sales Manager free call **1800 885 576**.



Products for healthier more productive cattle

The goal of any cattleman is to produce healthy animals which will attract the best price at sale. In order to achieve this goal, two main areas must be addressed.

HEALTH

Cattle should be protected from challenges by internal and external parasites and from disease and infection.

GROWTH

By utilising products which will promote growth, it is possible to achieve higher profits at sale time. Coopers has a range of products that optimise growth performance tailored to your individual management practices.

COUNT ON COOPERS

www.coopersanimalhealth.com.au

Northern Australia is characterised by climatic extremes and large areas. These factors, together with infrequent cattle handling, mean that the industry faces significant challenges to assure high standards of animal welfare.

It is therefore critical that at muster, cattle are inspected and treated for the range of pest and disease challenges that they may encounter between musters.

Coopers Northern Australia external parasite control – Cattle tick (*Boophilus microplus*)

COOPERS®
AMITIK®
CATTLE DIP AND SPRAY

ACTIVE CONSTITUENT(s):
500 g/kg amitraz

For the control of cattle ticks, paralysis ticks and bush ticks on beef and dairy cattle. For the control of cattle tick on sheep, goats, deer and certain circus animals in NSW only.

- Controls organophosphate and synthetic pyrethroid resistant ticks
- Nil meat and milk withholding periods and ESI giving graziers greater flexibility particularly if clearing cattle of tick prior to sale
- Easy to use water soluble sachets
- Significant potential OH&S benefits as the risk of powder inhalation is eliminated when charging or topping up the dip
- Following treatment cattle will be clean of ticks within 3-4 days and larval ticks are prevented from attaching for up to 7 days after treatment



COOPERS®
AMITIK® EC
CATTLE AND PIG SPRAY

ACTIVE CONSTITUENT(s):
125 g/L amitraz

- Controls organophosphate and synthetic pyrethroid resistant ticks
- Nil meat and milk withholding period and ESI giving farmers greater flexibility particularly if clearing cattle of tick prior to sale
- Liquid formulation for easy use

COOPERS® BLOCKADE® 'S'

CATTLE DIP AND SPRAY



ACTIVE CONSTITUENT(s):

138 g/L chlorfenvinphos, 25 g/L cypermethrin

For the control of cattle ticks, bush ticks, paralysis ticks and buffalo flies in cattle, horses, deer, goats, sheep and working dogs.

For the control of biting and sucking lice in cattle.

- Effective broad spectrum control of all major ectoparasites that cause production losses in Northern Australian cattle
- Rapid knockdown of target ectoparasites
- Rainfast – can be applied to wet cattle and will not be affected by rain after application
- Low stripping rate allowing for easy dip management
- Can be used on a wide spectrum of species including cattle, horses, deer, goats, sheep and working dogs
- Following treatment, cattle will be clean of ticks within 3-4 days and larval ticks are prevented from attaching for up to 7-10 days after treatment
- Combination of synthetic pyrethoid and organophosphate chemicals

Management of a plunge cattle dip

The use of plunge dips provides the most effective method for controlling ticks in cattle. However, if plunge dips are not managed correctly, effectiveness is reduced.

The first step in good management is to know the volume of liquid in your dip.

There are three methods for determining the volume of liquid in a dip:

- Use a flow meter to measure the amount of water going into the dip. This is the best method and eliminates any guesswork. Water metres can be obtained from most plumbing outlets.
- Fill the dip from a tank of known capacity.
- Use the following formula:

Volume = Average length x average width x depth

For example:

$$\text{Average length } \frac{10 \text{ m} + 5 \text{ m}}{2} = 7.5 \text{ m}$$

$$\text{Average width } \frac{1 \text{ m} + 0.6 \text{ m}}{2} = 0.8 \text{ m}$$

Depth = 2 m

Capacity $7.5 \times 0.8 \times 2 = 12$ cubic metres

(1 cubic metre = 1,000 litres)

Therefore volume = $12 \times 1000 = 12\ 000$ litres

Much time and effort can be saved by accurately marking the various volume levels on the dip wall, or on a measuring stick, such as at 5000 L, 6000 L, 7000 L and so on until the maximum level is reached.



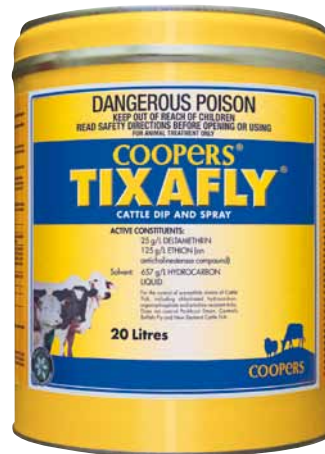
Coopers Northern Australia external parasite control – Cattle tick (CONTINUED)

COOPERS® **TIXAFLY**® CATTLE DIP AND SPRAY

ACTIVE CONSTITUENT(s):

125 g/L ethion, 25 g/L deltamethrin

- Highly efficient in the control of susceptible strains of cattle tick. Dip at 21 day intervals, beginning in spring
- Highly effective in the control of susceptible buffalo fly
- Effective against bush tick when sprayed or dipped at 7-10 day intervals and continued until infestation is light
- May be used in hard or soft water
- A combination of organophosphate and synthetic pyrethroid chemicals



COOPERS® **PARAMAX**® POUR-ON FOR BEEF AND DAIRY CATTLE

ACTIVE CONSTITUENT(s):

5 g/L ivermectin

- Paramax Pour-on controls cattle tick (*Boophilus microplus*) including organophosphate, synthetic pyrethroid and amitraz resistant strains. Maximum tick efficacy is achieved 4-5 days after treatment. This product should be alternated with other tickicides when repeated treatments are required.
- Convenient pour-on treatment for the control of internal and external parasites in beef and dairy cattle
- The only cattle pour-on with a registered safety claim for both earthworm and dung beetle populations
- Rainfast
- Paramax Pour-on is an acceptable final preliminary treatment for cattle, when administered 6-9 days prior to presenting cattle at a tick clearance line.
- Paramax Pour-on controls buffalo fly for up to 21 days



Flies and lice on cattle

COOPERS® EASY-DOSE POUR-ON FLY AND CATTLE LICE TREATMENT

ACTIVE CONSTITUENT(s):

15 g/L deltamethrin

- Now registered for control of susceptible buffalo fly (in cattle)
- Water based formulation resulting in minimal irritation on cattle and no disruption to milking
- Persistent activity which controls nuisance flies for up to 6 weeks and lice for up to 8 weeks after treatment in cattle¹
- Nil meat and milk withholding period when applied to cattle
- Now registered for use in horses and provides 3 weeks control of buffalo fly and 1 week control of stable fly
- Deltamethrin is a synthetic pyrethroid chemical



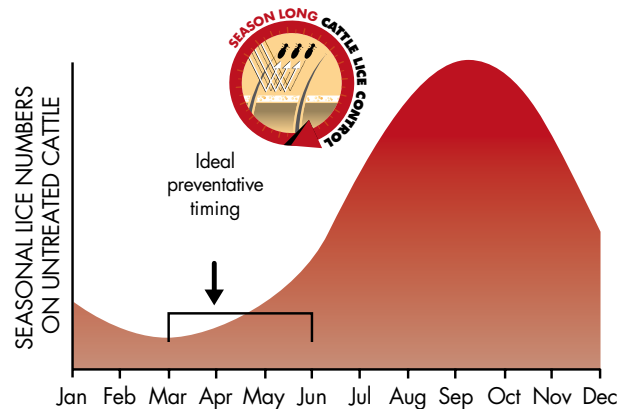
COOPERS® STAMPEDE® POUR-ON LOUSICIDE FOR CATTLE AND SHEEP

ACTIVE CONSTITUENT(s):

300 g/L n-methyl -2-pyrrolidone,
20 g/L diflubenzuron

Insect Growth Regulator (IGR) Pour On for the control and treatment of susceptible biting and sucking lice in cattle and sheep.

- Highly effective if used in cattle after the first cold snap in Autumn when eggs are likely to be hatching
- Stays active for months on the animal, reducing the likelihood of re-treatment being required during the season
- Short WHP and ESI



Coopers Northern Australia internal parasite control – Worms

COOPERS® **PARAMAX®** POUR-ON FOR BEEF AND DAIRY CATTLE

ACTIVE CONSTITUENT(s):

5 g/L ivermectin

- Convenient pour-on treatment for the control of internal and external parasites in beef and dairy cattle
- Broad spectrum control of ivermectin sensitive internal parasites
- The only cattle pour-on with a registered safety claim for both earthworm and dung beetle populations
- Nil milk withholding period
- Rainfast



Coopers vaccine range for Northern cattle producers

COOPERS® **TASVAX® 5in1** VACCINE FOR SHEEP, CATTLE AND GOATS/LOUSICIDE FOR CATTLE AND SHEEP

ACTIVE CONSTITUENT(s):

Clostridium chauvoei,
Clostridium novyi,
Clostridium perfringens,
Clostridium septicum,
Clostridium tetani

Protection against Pulpy Kidney, Black Disease, Tetanus, Blackleg and Malignant Oedema in cattle.

- Vaccinate previously unvaccinated bulls twice at intervals of 4 weeks minimum. Thereafter annual booster doses are required. Vaccinate previously unvaccinated cows at joining and booster 2 to 3 weeks prior to calving. This will protect calves for the first 8 to 10 weeks. Thereafter annual boosters 2 to 3 weeks prior to calving are required. Vaccinate calves at 2 months of age and give a booster dose at 4 weeks minimum. Thereafter annual booster doses are required. In high risk areas seasonal booster doses may be required. This applies particularly to pulpy kidney and black disease prone areas.
- A period of two weeks is required after the sensitising dose before animals acquire a level of protection. Maximum protection is not achieved until the second dose is administered.

COOPERS® **TASVAX® 8in1** CLOSTRIDIAL VACCINE FOR SHEEP AND CATTLE

ACTIVE CONSTITUENT(s):

Clostridium perfringens,
Cl chauvoei,
Clostridium perfringens,
Cl haemolyticum,
Clostridium perfringens,
Cl septicum,
Cl novyi, *Cl tetani*

For active immunity against Pulpy Kidney/Enterotoxaemia, Blackleg, Malignant Oedema, Gas Gangrene, Tetanus, Haemorrhagic Enterotoxaemia, and Redwater Disease in cattle.

- Calves can be vaccinated from 2 weeks of age
- The primary course of vaccination consists of two injections, at intervals of 4-6 weeks
- For cattle of all ages, the first dose is 5 mL with subsequent doses of 5 mL
- Vaccination of pregnant cows can confer passive immunity via colostrum of young calves from vaccinated mothers



COOPERS® BOVILIS® MH+IBR

THE ONLY COMBINED BACTERIAL AND VIRAL BRD VACCINE

ACTIVE CONSTITUENT(s): Inactivated *Mannheimia haemolytica* Strain x387 (Leucotoxin producing) – 1x10⁷ orgs/mL, Strain x332 – 1x10⁸ orgs/mL, Inactivated Bovine herpes virus type 1.2b 1x10⁷ orgs/mL

Coopers Animal Health have used Australian isolates to develop Bovilis MH+IBR Vaccine, to aid in the control of BRD caused by *Mannheimia haemolytica* and Infectious Bovine Rhinotracheitis Virus (Bovine Herpes Virus Type 1) – a unique BRD vaccine for Australian cattle.



- Broad coverage – Australia's only combination vaccine to help protect against bacterial and viral causes of BRD.
- Convenience – a killed, combination vaccine that is fully registered in Australia and delivered subcutaneously. Cattle can now be conveniently vaccinated against IBR and MH prior to transport.
- Efficacy – has been shown to reduce BRD rates by over 65% in large scale field trials¹.
- Safety – a killed vaccine that has proven to be safe in target animals.
- Manufactured in Australia – Coopers Animal Health have a world class vaccine production facility in Bendigo, Victoria. Bovilis MH+IBR was developed using Australian field strains of MH and IBR, with the highest manufacturing standards undertaken in globally compliant facilities.

COOPERS® CATTLEVAX® LC 7 in 1

LEPTOSPIRAL AND CLOSTRIDIAL VACCINE FOR BEEF, DAIRY CATTLE AND CALVES

ACTIVE CONSTITUENT(s):

Aluminium treated purified toxoids of *Clostridium perfringens* type D 5.0 iu/mL*, *Clostridium septicum* 2.5 iu/mL*, *Clostridium novyi* type B 3.5 iu/mL* and *Clostridium tetani* 2.5 iu/mL* combined with the formal treated cells of *Clostridium Chauvoei* EP 0361* and formalin inactivated cells of *Leptospira interrogans* serovars *hardjo* 0.5 x 10⁹ org/mL* and *pomona* 0.5 x 10⁹ org/mL* (* Potency Units)

Coopers Cattlevac LC 7 in 1 is a vaccine available from Coopers Animal Health for the protection of cattle from Leptospirosis infections caused by *Leptospira interrogans* serovars *hardjo* and *pomona* and minimises shedding of Leptospire. Cattlevac LC 7 in 1 also protects cattle against enterotoxaemia (Pulpy kidney), Blackleg, Malignant oedema, Black disease and Tetanus.

A single dose of Cattlevac LC 7 in 1 will stimulate the production of protective antibodies in beef, dairy cattle and calves. A period of two weeks is required after vaccination before animals acquire a level of protection. Maximum protection is not achieved until the second booster dose is given 4-6 weeks after the first. Ongoing protection requires an annual booster.

It is recommended that the annual booster to pregnant cows be administered 2-3 weeks prior to calving to ensure maternal antibodies are transferred to the calf.

COOPERS® BOVILIS® MH

CATTLE BRD VACCINE

ACTIVE CONSTITUENT(s):

Inactivated *Mannheimia haemolytica*

An aid in the control of cattle respiratory disease caused by *Mannheimia haemolytica*.

- For protection against *Mannheimia haemolytica*, the key cause of Bovine Respiratory Disease (BRD) in Australian feedlots
- Can be used in beef and dairy herds, as well as calf rearing enterprises
- Developed and manufactured in Australia, against Australian field isolates
- Two dose vaccine – ideally suited to feedlot cattle with the first vaccination given in the backgrounding stage and a booster given on induction to the feedlot
- Has been extensively trialled in Australian feedlots and has led to a large reduction in the use of antibiotics to control BRD

In Northern Australia, nutrition and animal growth performance are closely linked.



Performance Technology to improve growth and fertility is vital to get the most from seasonal conditions.

Growth promotants can greatly improve the final live weight of animals, while trace element supplementation ensures animals have adequate micro nutrients to perform.

Coopers HGP range for pasture fed cattle

COOPERS® **REVALOR® FLEX** GROWTH PROMOTANT FOR NON BREEDING CATTLE

ACTIVE CONSTITUENT(s):

80 mg trenbolone acetate, 16 mg 17 beta oestradiol

Growth promotant and finishing implant for steers and non-breeding heifers.

- For increased weight gain due to deposition of lean meat and growth promotion in steers and heifers
- For finishing cattle in feeding programs ≤200 days
- Suitable for cattle grazing improved pasture or on short term intensive feeding programmes
- Improves feed conversion efficiency
- Re-implantation can be carried out during growing or finishing phases (not within 70 days of the last implant)

COOPERS® **REVALOR® 400** GROWTH PROMOTANT FOR GRASS FED HEIFERS AND STEERS

ACTIVE CONSTITUENT(s):

60 mg trenbolone acetate, 12 mg 17 beta oestradiol

- Only combination HGP on the Australian market to have a registered claim to increase and maintain growth up to 400 days after implantation
- Net returns consistently greater than three times the cost of the implant
- Nothing performs better than Revalor 400 over 400 days
- Tailored for pasture fed animals
- Safe to use on calves – can be used on calves from six weeks of age
- Versatility – Revalor 400 can be used under a range of different management strategies or on a range of different classes of stock – calves to cull cows.
- Easy application – the implanter gun is engineered to ensure efficient, consistent and accurate implanting. Revalor 400 implants remain intact and do not fall out after implantation.

COOPERS® **RALGRO®** CATTLE GROWTH PROMOTER

ACTIVE CONSTITUENT(s):

36 mg/dose (3 pellets) zeranol

- Increases growth rate and improves feed conversion efficiency in steer cattle of all ages
- Trials have shown a return of seven to one on the cost of pellets in steers treated with Ralgro over controls
- Implants effective for up to 120 days with maximum response occurring during the first 100 days



Coopers antiseptic range for Northern cattlemen

When you are undertaking certain procedures with cattle it is important to have equipment effectively cleaned and sterilized to prevent infection and ill health e.g. castration, dehorning and implantation of HGP's.

COOPERS® HIBITANE®

ASSISTS IN THE CONTROL OF MASTITIS



ACTIVE CONSTITUENT(s):
8 g/L chlorhexidine gluconate

- Contains chlorhexidine one of the most widely used and effective disinfectants and germicides
- Non-irritant
- Controls a wide range of bacteria even in the presence of foreign matter

Performance technology

COOPERS® PERMATRACE®

TRACE ELEMENTS FOR IMPROVED PERFORMANCE, PRODUCTIVITY AND PROFIT

COPPER 10 AND 20

ACTIVE CONSTITUENT(s):
Copper oxide 390 g/kg
(10 g copper and 20 g copper)

- Effective copper supplementation for 12 months
- May be administered together with Permatrace Selenium and/or Permatrace Cobalt pellets
- Trials with supplemented beef calves over a three month period demonstrated a 20 kg live weight gain over untreated animals
- In dairy cows over a 5.5 month period, treated animals gained an average of 27 kg more live weight than untreated animals

SELENIUM

ACTIVE CONSTITUENT(s):
10% Elemental selenium (each 30 pellet contains 3 g selenium)

- Release of selenium over 12 months
- Daily weight gains of 11% to 136% when treated cattle were compared to selenium deficient animals
- Weight gains of up to 8% higher when compared to stock receiving injectable selenium

COBALT

ACTIVE CONSTITUENT(s):
300 g/kg cobalt (oxide)

- Release of cobalt over 12 months
- 91% increase in body weight over 94 days for treated stock compared to untreated stock



For further information on any Coopers products please contact
Coopers Animal Health Customer Service on Toll Free **1800 226 511**
or Territory Sales Manager Advice line on **1800 885 576**

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www.coopersanimalhealth.com.au

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1 ISPAH Data on file

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