NEW

GET TWICE AS TOUGH ON WORMS

DECTOMAX V®

doramectin and levamisole injection

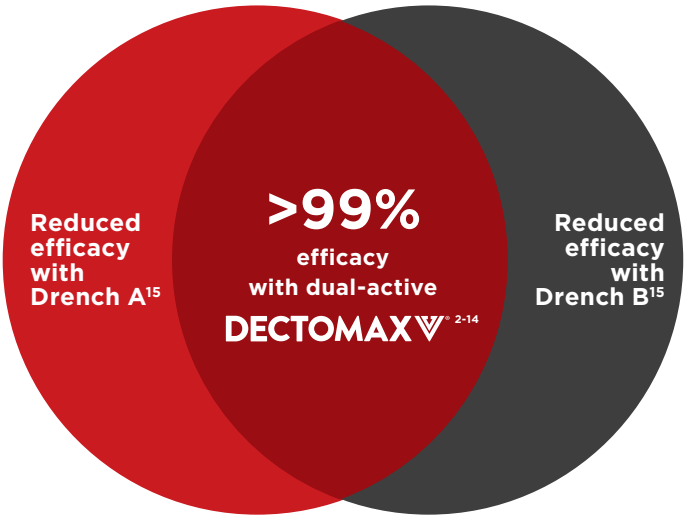
PREMIUM PERFORMANCE FOR LEADING CATTLE PRODUCERS

AUSTRALIA'S FIRST DUAL ACTIVE INJECTABLE DRENCH FOR CATTLE

INTRODUCING DECTOMAX V, A POWERFUL NEW COMBINATION CONTAINING DORAMECTIN AND LEVAMISOLE

DECTOMAX V is an evolution from Dectomax which has been trusted and used across Australia for over 20 years. DECTOMAX V combines the trusted performance of doramectin, from Dectomax, with the added strength of an active called levamisole. DECTOMAX V provides a dual active killing power with unsurpassed efficacy against key parasites, including those often resistant to other drenches.[1-14]

As an injectable formulation, DECTOMAX V ensures your cattle get the right dose every time, helping them stay healthy, as well as ahead of resistance.[1]



DECTOMAX V KILLS MORE WORMS

When you treat a population of worms with a single active drench some worms may be resistant and this leads to an ineffective kill and reduced efficacy.

But when treating with DECTOMAX V, a drench that combines two powerful actives with different modes of action, both of which are targeting the same worm to ensure an effective kill, even resistant worms are killed, unlocking your herd's full productivity potential.[1-14]

GASTROINTESTINAL WORMS ARE GETTING TOUGHER

WORMS ARE GROWING INCREASINGLY RESISTANT TO DRENCHES

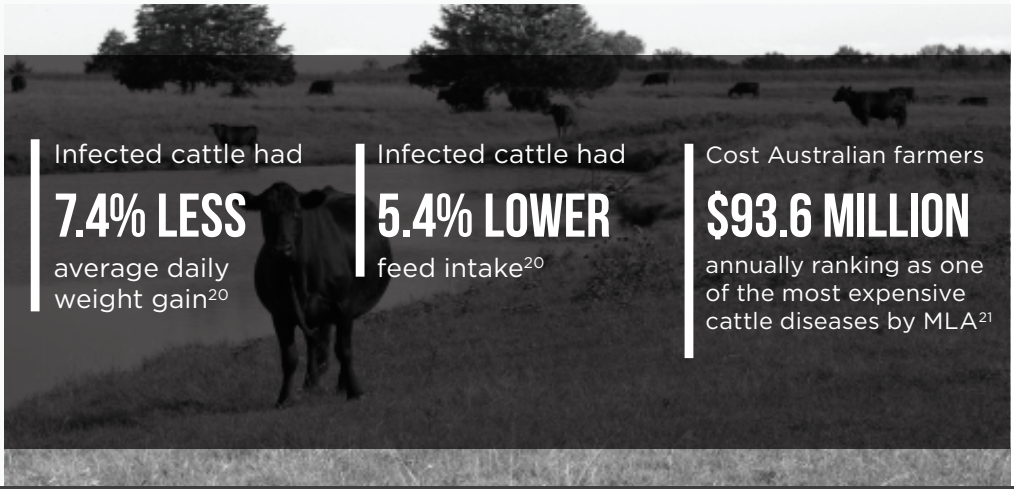
Drench resistance has been reported everywhere cattle are raised, with worms growing particularly resistant to macrocyclic lactones (MLs), the active ingredient in drenches like Ivomec and Cydectin, because of their widespread use in cattle over the past 30 years.

> 59%
of 19 Western Australian beef farms reported ML-resistant worms[16]

> 50% +
of 23 beef farms in Victoria reported ML-resistant worms[17,18]

> 50%
of feedlot pens in a study conducted in a commercial QLD feedlot operation identified resistance to ML's[19]

THE ECONOMIC IMPACT OF WORMS ON FARMS



IDEAL FOR PRODUCERS WANTING PREMIUM PERFORMANCE FROM THEIR CATTLE

DECTOMAX V

- **New Dual Active Drench Technology - resistance breaking**
- **High efficacy, broad spectrum parasiticide**
- **Easy injectable administration for highly reliable dosing**
- **Treats gastrointestinal worms, cattle tick, sucking lice**

DECTOMAX V IS IDEAL FOR PRODUCERS THAT:

- Want the newest premium performance drench available in the Australian market to treat their cattle due to its outstanding efficacy against key gastrointestinal parasites, as well as treating cattle ticks and sucking lice.
- Have resistance
- Have emerging resistance
- Want to stay ahead of resistance

DECTOMAX V LABEL CLAIMS

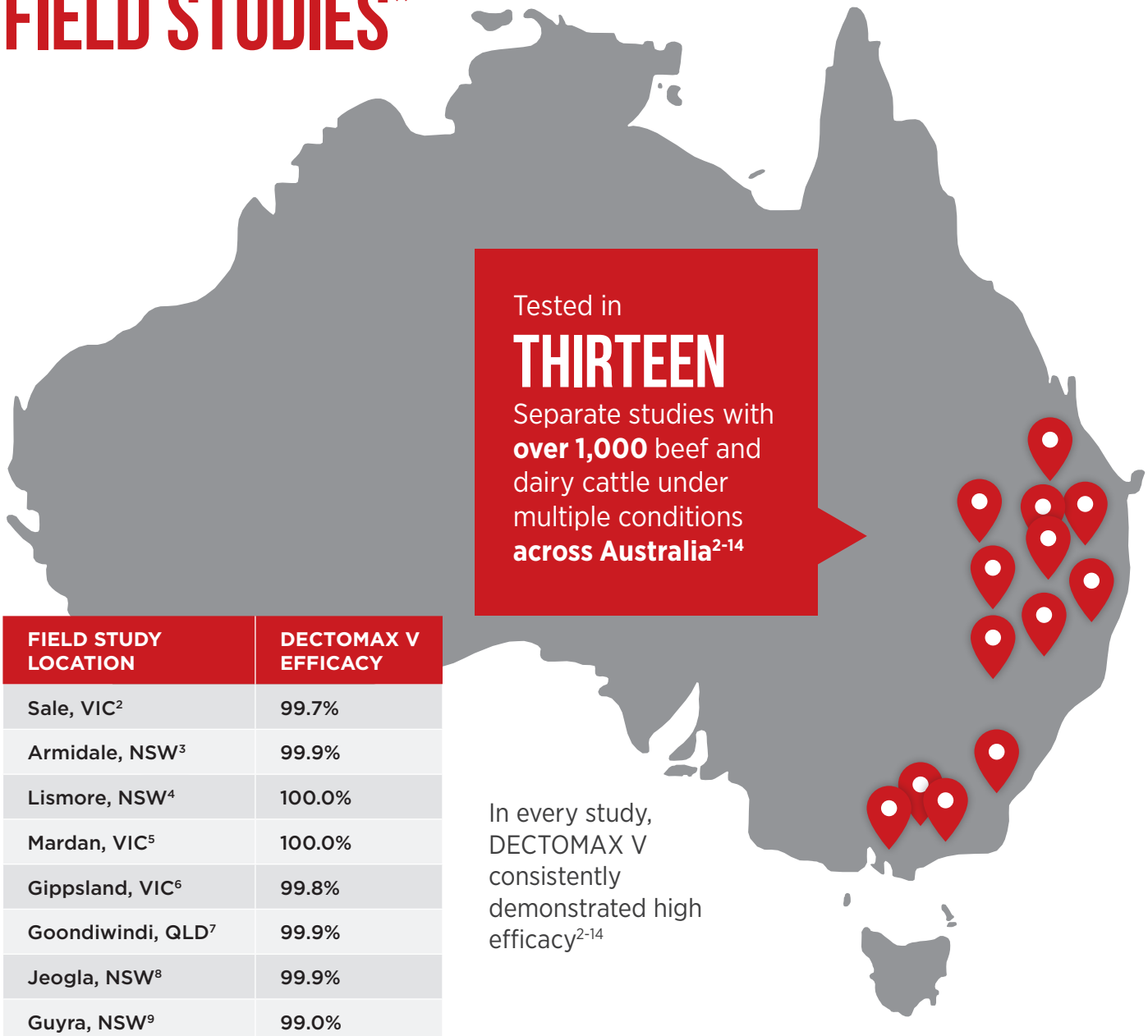
- **For the treatment and control of adult and L4 larval stages of gastrointestinal worms including both ML and levamisole resistant strains^:**
  - Small intestinal worm - *Cooperia oncophora, Cooperia punctata, Cooperia pectinata, Cooperia surnabada*
  - Barber's Pole worm - *Haemonchus placei*
  - Brown stomach worm - *Ostertagia ostertagi*
  - Stomach hair worm - *Trichostrongylus axei, Trichostrongylus longispicularis* (adults only)
  - Nodule worm - *Oesophagostomum radiatum* (adults only)
  - Thin-necked intestinal worm - *Nematodirus helvetianus* (adults only)
- For the treatment and control of **sucking Lice** *(Linognathus vituli, Solenopotes capillatus)* for up to 56 days
- For the treatment and control of **cattle tick** *(Rhipicephalus (Boophilus) microplus)* including SP, OP and amide resistant strains. Prevents the development of viable ticks for a period of 30 days

^ Refer to product label for registered label claims.

UNSURPASSED EFFICACY, PROVEN RESULTS

DECTOMAX V achieved

99.8% EFFICACY ACROSS ALL FIELD STUDIES*



Tested in

THIRTEEN

Separate studies with **over 1,000** beef and dairy cattle under multiple conditions **across Australia**[2-14]

FIELD STUDY LOCATION	DECTOMAX V EFFICACY
Sale, VIC[2]	99.7%
Armidale, NSW[3]	99.9%
Lismore, NSW[4]	100.0%
Mardan, VIC[5]	100.0%
Gippsland, VIC[6]	99.8%
Goondiwindi, QLD[7]	99.9%
Jeogla, NSW[8]	99.9%
Guyra, NSW[9]	99.0%
Bingara, NSW[10]	100.0%
Dumbalk, VIC[11]	99.7%
Bonalbo, NSW[12]	100.0%
Nimmitabel, NSW[13]	99.7%
Theodore, QLD[14]	100.0%

In every study, DECTOMAX V consistently demonstrated high efficacy[2-14]

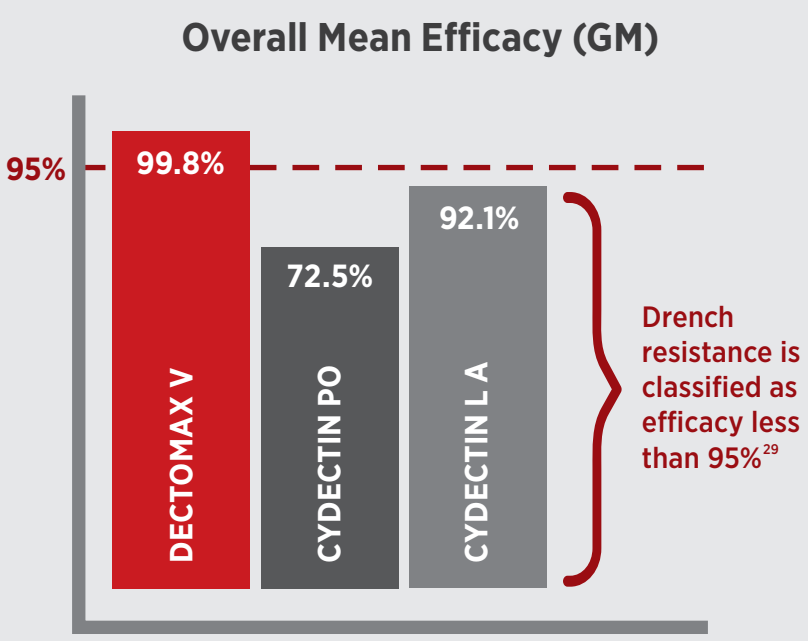
PROVEN RESULTS

Studies for DECTOMAX V were conducted in multiple regions in Australia and in both beef and dairy cattle[2-14]

* Overall mean efficacy (GM) of 99.8% across thirteen field studies. Drench efficacy based on Faecal Egg Count Reduction Test (FECRT) at days 13-15 after treatment.

USE DECTOMAX V WITH CONFIDENCE

PREMIUM PERFORMANCE



Dectomax V delivered outstanding results in Australian studies. The overall mean efficacy (GM) for Cydectin PO & Cydectin LA was less than 95%.[2-14, #]

Drench efficacy based on Faecal Egg Count Reduction Test (FECRT) at Days 13-15 after treatment. Overall drench efficacy based on average GM efficacy across the studies. Dectomax V was included in 13/13 studies, Cydectin PO 7/13 studies and Cydectin LA 8/13 studies.

DECTOMAX V IS:

- New dual active drench technology – resistance breaking
- High efficacy, broad spectrum parasiticide[2-14]
- Easy injectable administration for highly reliable dosing
- Treats gastrointestinal worms, cattle ticks, sucking lice
- Safe for use in pregnant animals
- 28 day re-treatment interval
- Use Dectomax V with confidence. It has no long term adverse effects on dung beetle populations[27,28]

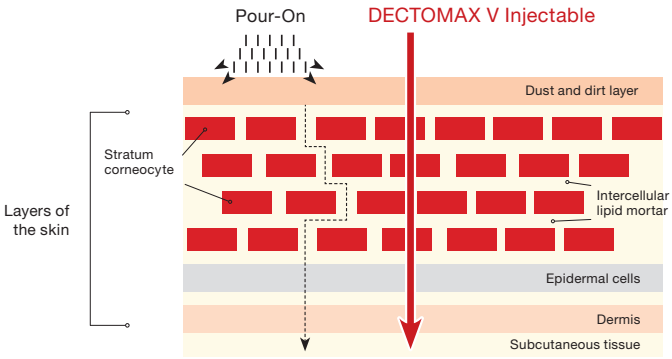
- The only combination drench that prevents the development of viable ticks for 30 days
- Treats and controls sucking lice for up to 56 days

AN INJECTABLE FORMULATION FOR THE RIGHT DOSE EVERY TIME

INJECTION V POUR-ON

When dealing with resistant parasites, delivering the right dose is vital. DECTOMAX V is an injectable formulation that provides you with easy reliable dosing so you can keep resistance at bay.

- When a drug is delivered by injection, all of the potential barriers to absorption are avoided.
- An injectable drench is deposited below the skin and absorbed directly into the bloodstream.
- Injectable drenches therefore achieve higher peak blood and tissue levels compared to pour-ons.
- Pour-on products result in variable dosing of cattle, as some of the pour-on product is absorbed across the skin and some is absorbed by cattle licking the product off themselves and other cattle. Therefore the licking behaviours of different cattle can result in unreliable dosing and even underdosing.



THE ADVANTAGES OF INJECTABLE OVER POUR-ON ADMINISTRATION

1. **Gives a reliable dose to every animal**[22,23]
2. **Gives a higher dose into plasma**[24]
3. **Higher efficacy for mucosa-dwelling parasites (*Ostertagia*)**[25]
4. **Leads to a higher concentration absorbed by both *Cooperia* and *Ostertagia* worms**[26]
5. **Slows the onset of resistance**[25]

DECTOMAX V HELPS YOUR HERD PERFORM BETTER... AND HELPS YOUR FARM STAY AHEAD OF RESISTANCE

DECTOMAX V SLOWS DOWN THE CYCLE OF RESISTANCE

DECTOMAX V kills resistant worms, keeping them from reproducing and contaminating your pastures. That helps you stay ahead of resistance and keeps your herd healthy and productive.

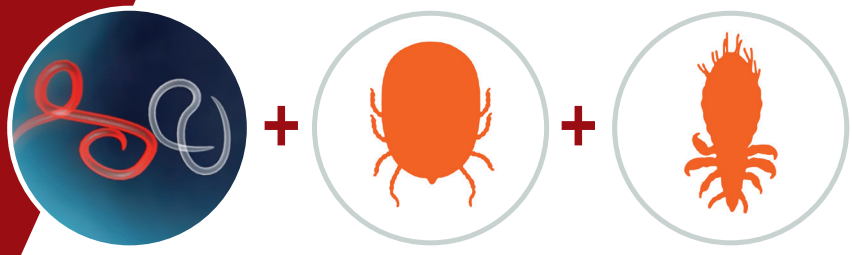
The worms on your pasture today ultimately become the worms in your animals tomorrow and then, if not treated, go back onto your pastures the day after that. Over time, the continuous use of ineffective drenches gradually leads to increased prevalence of resistant worms on your farm.

PREMIUM PROTECTION FOR ALL CATTLE PRODUCERS

WHY USE DECTOMAX V

Dectomax V has a dual-killing mode. It is the first and only injectable combination in Australia using doramectin and levamisole to defeat performance stealing parasites.

EFFECTIVELY KILLS



Gastrointestinal round worms + **Cattle Ticks** + **Sucking Lice**

IDEAL FOR

WEANERS AND ALL YOUNG CATTLE

- Young cattle are rapidly growing and are yet to develop natural immunity against worms, hence the importance of using a highly efficacious dual active injectable drench. This will ensure a healthier animal and that they achieve target weight for joining or sale.

A QUARANTINE / INDUCTION DRENCH

- so producers do not introduce resistant worms onto their properties.

REPLACEMENT BREEDING STOCK

- for producers wanting to provide a premium efficacious drench to their cattle, including growing breeders and steers.

ADULT CATTLE

- to protect the individual property resistance profile, to slow the development of resistance.

ARRIVAL AT BACKGROUNDING AND INDUCTION AT THE FEEDLOT

- so you can be guaranteed to remove all performance robbing worms (resistant and sensitive) and therefore to maximise daily weight gains.

FURTHER INFORMATION AND SUPPORT

DOSING / ADMINISTRATION

- 1 mL/25 kg of bodyweight by subcutaneous injection.
- Do not exceed 10 mL at a single injection site. For cattle over 250 kg bodyweight, divide the dose so that no more than 10 mL is injected in one site. For example: a 300 kg animal requires a 12 mL dose which can be administered as 2 x 6 mL doses.

A 500 mL BOTTLE TREATS 50 x 250 kg WEANERS (10 mL dose)

WITHHOLDING PERIODS

WHP & ESI: 35 DAYS.

MILK WHP: Do not use in cattle during lactation or less than 60 days before calving when milk products are to be used for human consumption or processing.

RETREATMENT INTERVAL: Do not re-treat animals for 28 days after last treatment.

FORMULATION & PACKAGING

- Packaged in a 500 mL amber glass bottle in a recyclable protective sleeve
- Store below 25 °C (air-conditioning)

Dectomax V
500 mL bottle inside a sleeve

Dectomax V – Victory Pack
(includes 6 x 500 mL bottles & metal injector)

AVAILABLE AT YOUR LOCAL VET & RURAL RESELLER

paraboss RECOMMENDATIONS

ParaBoss (paraboss.com.au) is a premier Australian resource for parasite information. It contains many resources, including Wormboss for cattle, which provides information on key worms affecting cattle, how to determine when treatment is necessary, advice on the management of cattle worms and how to identify and manage anthelmintic resistance on farm. The website also provides advice on the treatment and management of ticks, flies and lice that affect cattle.

Producers should become familiar with ParaBoss recommendations and in conjunction with their animal health advisors, develop parasite control programs specific to their property.

References:

1. Zoetis Inc. DECTOMAX V Australian Product Information. 2021. **2-14:** Zoetis Studies: A3580, A3595, A3596, A3798, A3881, A3809, A3858, A3861, A3862, A3863, A3864, A3860, A3859. Data on file. **15.** Bartram D, Leathwick D, Taylor M, *et al.* The role of combination anthelmintic formulations in the sustainable control of sheep nematodes. Vet Parasitol 2012;186:151-158. **16.** Cotter, J. L., *et al.* (2015). "Anthelmintic resistance in nematodes of beef cattle in south-west Western Australia." Veterinary Parasitology 207(3): 276-284. **17.** Rolls N, Webb-Ware, J. 2011. Managing production risk on high input farms, B.PDS.0904. **18.** Rendell, D. K. (2010). "Anthelmintic resistance in cattle nematodes on 13 south-west Victorian properties." Aust Vet J 88(12): 504-509. **19.** George M, George M, Kotze AC. 2020. Production impacts and resistance of gastrointestinal parasites in feedlot cattle B.FLT.3002. **20.** Stromberg, B. E., *et al.* (2012). "Cooperia punctata: effect on cattle productivity?" Vet Parasitol 183 (3-4): 284-291. **21.** Lane J, Jubb T, Shephard R, et al. Priority List of endemic diseases for the red meat industries. B.AHE.0010. **22.** Laffont et al. (2003) Vet Res 34:445-460 **23.** Bosquet-Melou et al. (2011) Int. J. Parasitol. 41:563-569 **24.** Leathwick, Miller (2013) Vet Parasitol **25.** Leathwick (2021) Vet Parasitol