



Drench Test Laboratory Report

Test ID: T17290

Farm Details

Name: Kenneth Wheelwright

Email: roslynestate@bigpond.com

Property: Roslyn Estate

Phone: 0425 252 736

Address: 810 Roslyn Rd, Roslyn NSW 2580

Stock Details

MOB Name: Weaners

Breed: Merino

Average Stock Age: 9 Months

Sex: Mixed

Last Drench: Duocare

Date: 22 February 2021

Last FEC result: 690 epg

Date: 13 May 2021

Drench Test Group Details

Drench Treatment Group	Active Ingredient/s
Closicare (Clos)	Closantel
Cydectin (Mox)	Moxidectin
Virbamec (Aba)	Abamectin
WSD Levamisole (LVS)	Levamisole
Startect (Sta)	Derquantel + Abamectin
Alben (BZ)	Albendazole
Zolvix Plus (Mon +)	Monepantel + Abamectin
Pole Vault (Nap)	Napthalaphos



Day 0 Nematode Egg Count (epg)

Date Sampled: 19 May 2021

Samples Received: 21 May 2021

Sample No.	Class of Helminth			
	Strongyle	<i>Nematodirus</i>	Tapeworm	Coccidia
1	480	10		
2	320	70		
3	560	40		
4	390	30		
5	330	40		
Average	416	38		

Day 0 Larval Differentiation (% of each worm genus present)

<i>Haemonchus</i>	<i>Teladorsagia</i>	<i>Trichostrongylus</i>	<i>Cooperia</i>	<i>Oes/Chab</i>
-	52	26	-	22

Common names for sheep intestinal parasites:

Haemonchus – Barbers Pole Worm

Teladorsagia – Small Brown Stomach Worm

Trichostrongylus – Black Scour Worm

Cooperia – Small Intestinal Worm

Oesophagostomum – Nodule Worm

Nematodirus – Thin Necked Intestinal Worm

Chabertia – Large Mouthed Bowel Worm



Day 14 Nematode Count (epg)

Date sampled: 02 June 2021

Samples received: 04 June 2021

Sample No	Treatment Groups							
	BZ	LVS	Aba	Mox	Clos	Nap	Mon+	Sta
1	260	280	70	60	210	220	40	0
2	250	260	120	20	540	150	30	0
3	130	380	100	90	640	310	0	20
4	210	300	120	110	230	100	30	0
5	10	270	150	60	680	150	0	0
Average	172	298	112	68	460	186	20*	4

Day 14 Larval Culture Results (% of each worm genus present)

Worm type	Treatment Groups							
	BZ	LVS	Aba	Mox	Clos	Nap	Mon +	Sta
No of L3s	100	100	100	100	100	100	100	11
<i>Teladorsagia</i>	100	100	100	100	71	58	75	100
<i>Trichostrongylus</i>	0	0	0	0	12	17	0	0
<i>Oesophagostomum</i>	0	0	0	0	17	25	25*	0

Drench Efficacy (% of worms killed)

	Treatment groups							
	BZ	LVS	Aba	Mox	Clos [#]	Nap	Mon +	Sta
Overall Efficacy	59	28	73	84	NA	55	95*	99
<i>Teladorsagia</i>	20	0	48	69	NA	50	93	98
<i>Trichostrongylus</i>	100	100	100	100	NA	71	100	100
<i>Oesophagostomum</i>	100	100	100	100	NA	49	95	100

Note that Closicare is a barbers pole worm specific active ingredient that has little to no efficacy against other common gastrointestinal worms.

Comments:

Startect was the only drench effective against *Teladorsagia* (small brown stomach worm), all other drenches had reduced to nil efficacy.

Pole Vault had reduced efficacy against *Trichostrongylus* (black scour worm) and *Oesophagostomum* (nodule worm) all other actives tested were effective.

Note: The presence of Oesophagostomum (nodule worm) in Zolvix + larval result indicates that at least 1 sheep has not received the full dose thus compromising the final efficacy result.

Note: the Australian standard is >95% efficacy.