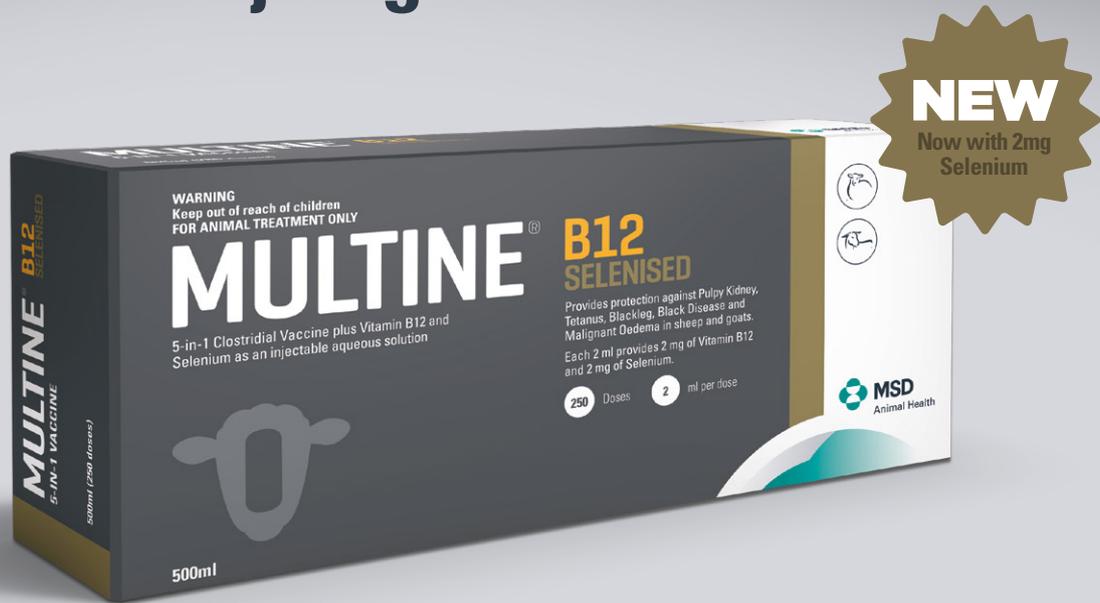


New Zealand's leading 5-in-1 vaccine* just got better.



MULTINE® B12 SELENISED 2mg Vitamin B12 + 2mg Selenium

A brand **new** product and a brand new look
for the latest innovation in our Multine range.



**MADE FOR NEW ZEALAND,
IN NEW ZEALAND**

Our existing range:



MULTINE

Use from tailing/docking or weaning
in sheep, cattle and goats.



MULTINE B12

Use from tailing/docking or weaning
in sheep, cattle and goats.
Includes 2mg of Vitamin B12



MULTINE 5-in-1 Selenised

Use from weaning or 12 weeks
in sheep and goats.
Includes 5mg of Selenium

New Zealand's leading 5-in-1 vaccine*

Now with an optimum 2mg dose of selenium for supplementation of lambs from tailing

Why is 2mg an optimum dose for lambs requiring selenium supplementation from tailing?

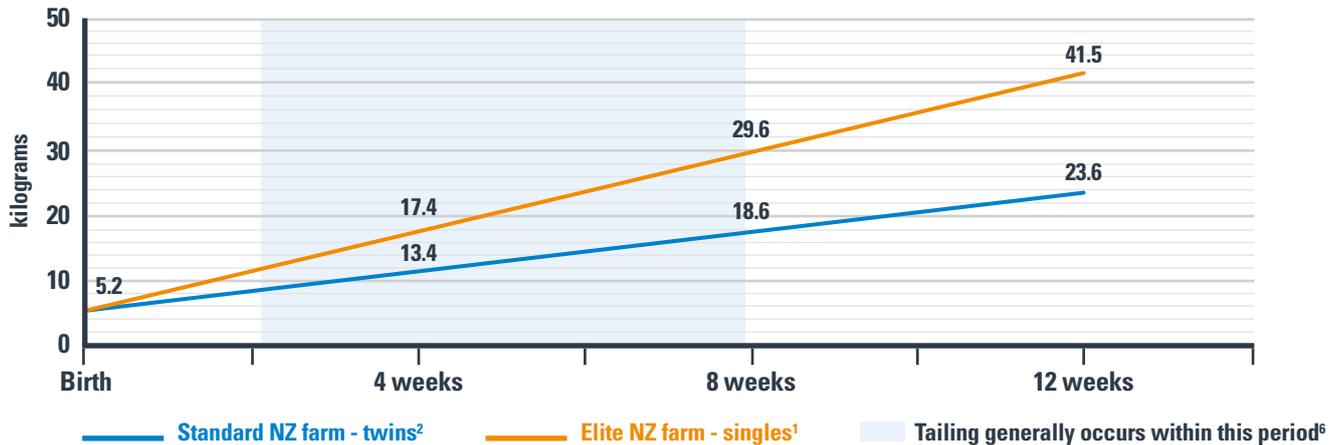
- Lambs vary in age and weight at tailing, but trials show the majority of NZ lambs weigh in excess of 10kg by 4 weeks of age.^{1,2}
- The recommended dose rate for selenium supplementation from tailing is 0.1-0.2 mg Se/kg liveweight.³
- The 2mg dose of selenium in Multine B12 Selenised provides an optimum dose for all lambs 10-20kg in weight.⁴⁻⁶
- 2mg of selenium is well tolerated, and has been used to protect tens of millions of NZ lambs at tailing with Lamb Vaccine Selenised, for over 50 years.

Guide to optimum selenium dose rate (mg Se/kg liveweight) for lambs of different liveweights

	Lamb liveweight (kg)				
	10	12.5	15	17.5	20
Multine B12 Selenised with 2mg Sel/dose	0.20	0.16	0.13	0.11	0.10
Competitor vaccine with 1mg Sel/dose	0.10	0.08	0.07	0.06	0.05

- Within optimum dose range (0.1-0.2 mg Se/kg)
- Sub-optimal dose - consider additional supplementation. Consult your animal health advisor.

Average lamb liveweights from birth until 12 weeks of age^{1,2}



Don't accept any less. Choose Multine B12 Selenised.
Designed specifically for New Zealand lambs and New Zealand conditions.

1 Muir et al (2003) Proceedings of the New Zealand Grassland Association 65: 61-63
 2 Litherland et al (2000) Proceedings of the New Zealand Society of Animal Production 60: 55-57
 3 Suttle, N.F and Underwood, E.J. (1999) The mineral nutrition of livestock. 3rd ed, 451-453

4 Grace, N.D. (2002) Proceedings of the New Zealand Society of Animal Production 62: 311-314
 5 West D, Bruere N and Ridler A (2009). "The Sheep, Health, Disease and Production" textbook. p138
 6 Beef and Lamb NZ Trace Element Nutrition of Sheep Fact Sheet March 2020



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 IN NEW ZEALAND**

