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## Bio Marinus Fish Silage Dosage

In a joint project between United Fisheries and Lincoln University, the use of Bio Marinus Fish Silage product as a ruminant feed was extensively investigated.

It was demonstrated to be safe for use in calves, lambs, and adult cattle and sheep. The silage was used safely at high doses of up to one litre daily without adverse effects. The standard doses for practical use are listed below.

### Calves

1-10 weeks old (birth to weaning): 50mls daily, provides trace element dose and 5-7.5g of by-pass protein.

10-25 weeks old (weaning to autumn): 50mls daily, provides trace element dose. 100mls daily also provides anthelmintic effect (reducing nematode gut parasites) and 10-15g of by-pass protein.

### Lambs

1-10 weeks old (birth to weaning): 50mls three times weekly provides trace element dose and 5-7.5g of by-pass protein.

10-35 weeks old (weaning to autumn): 50mls three times weekly provides trace element dose with 5-7.5g of by-pass protein and also anthelmintic effect (reducing nematode gut parasites).

### Adult Cattle (>300 kg liveweight)

50mls daily provides trace element dose.


100mls daily also provides omega 3 lipid dose for milk and meat enrichment.

200mls daily begins to provide appreciable by-pass protein (>25g).

### Adult Sheep (>35 kg liveweight)

50mls three times weekly provides trace element dose.

200mls three times weekly also provides omega 3 lipid dose, anthelmintic effect and appreciable by-pass protein (>25g).



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