



# Magnesium Capsules

## Cows calving... are they covered for magnesium?



Reliably providing available Mg<sup>++</sup>  
in the rumen every day  
for 9-12 weeks



Rumetrace Magnesium Capsules are registered pursuant to the ACVM Act, 1997 No A10958.

AHMC-BPU5.14

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**AgriHealth**

# Beef cows

Beef cows dying around calving is costly.  
Use Rumetrace magnesium capsules  
3 weeks pre-calving.  
Grass Staggers risk reduced. ✓

This table illustrates likely dietary magnesium intake from seasonal NZ pasture by a spring calving New Zealand beef cow

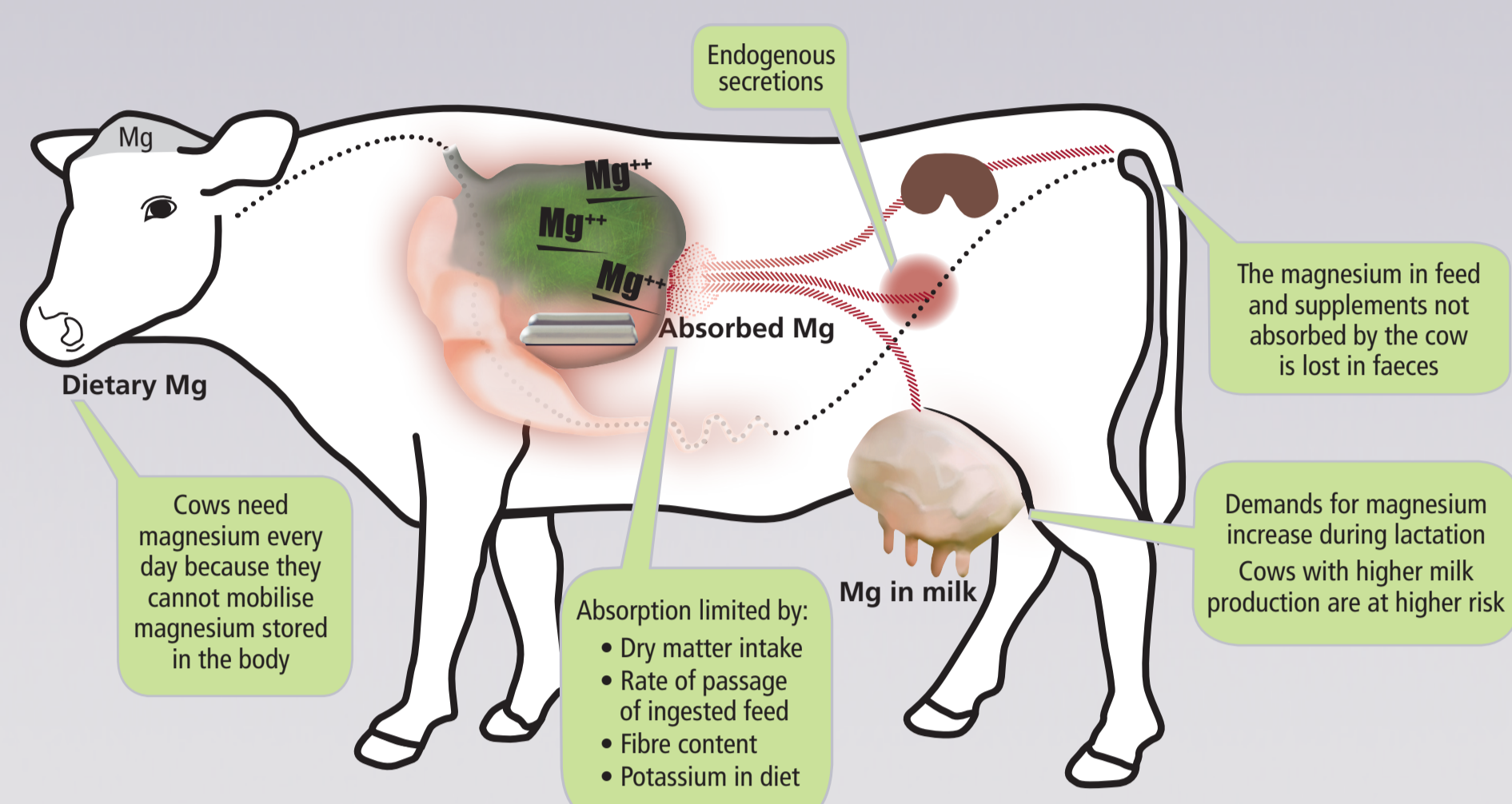
Stage of Season	Mg in NZ pasture					
	Milk production (L)	Pasture level Mg (g/kg DM)	Pasture intake (kg DM)	Total Mg in consumed pasture (g)	Mg availability (%)	Mg absorbed (g)
Pre-calving	0	1	12	12	10	1.2
Post-calving	8	1	16	16	10	1.6
Post-mating	10	2	13	26	15	3.9
Post-weaning	0	4	10	40	30	12

This table illustrates likely magnesium requirements for a spring calving New Zealand beef cow

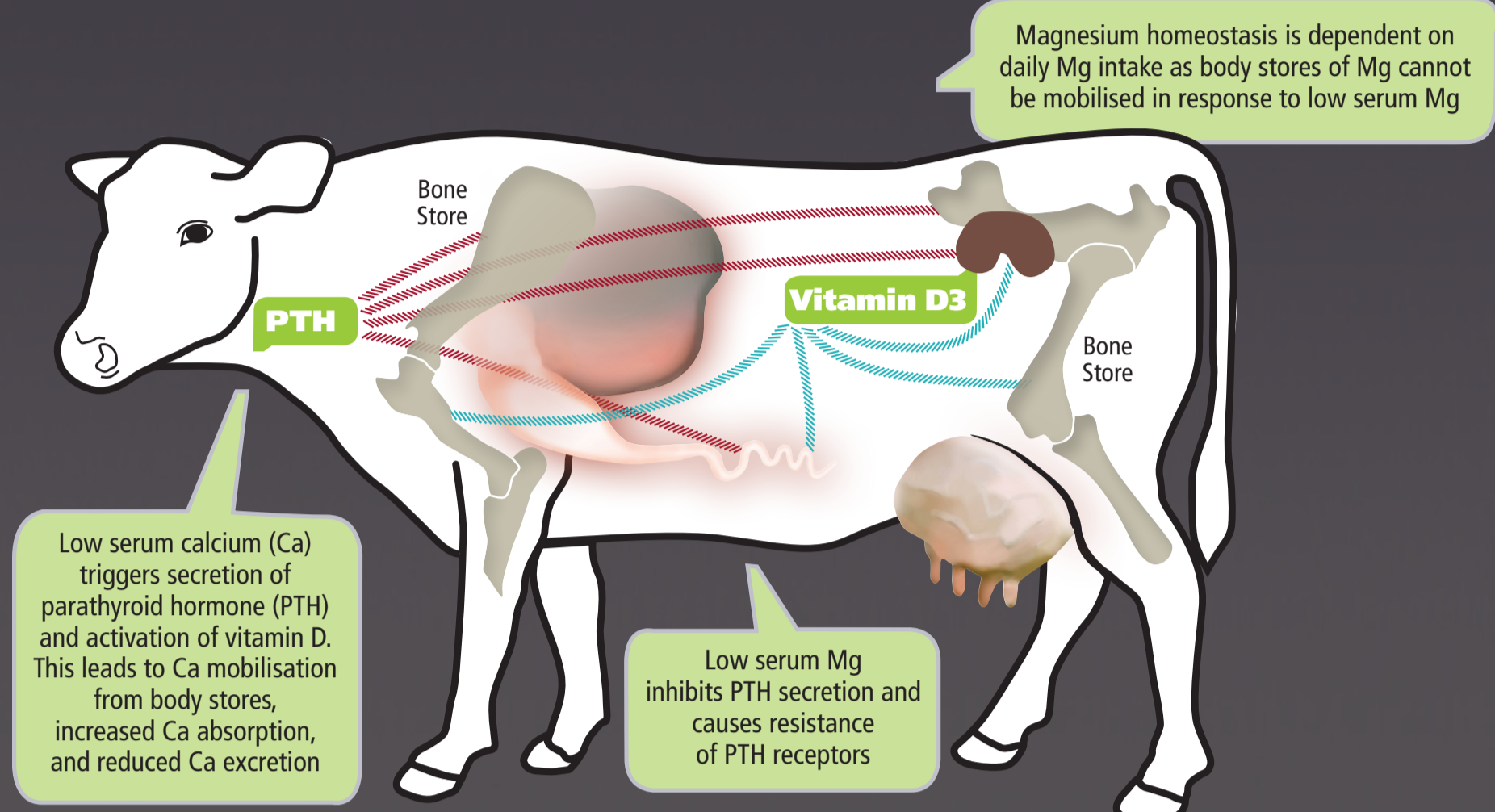
Stage of Season	Cow* Mg Requirements*				Deficit / Surplus (g Mg)
	Maintenance (g Mg)	Pregnancy (g Mg)	Milk (g Mg)	Total (g Mg)	
Pre-calving	2	0.3	0	2.3	-1.1
Post-calving	2	0	1.2	3.2	-1.6
Post-mating	2	0	1.5	3.5	+0.4
Post-weaning	2	0.2	0	2.2	+9.8

#Cow in this example is a 500kg cow, producing 10L in peak lactation.  
\*Mg requirements for liveweight (LW) gain are not included in this example. Liveweight gain typically requires 0.45g Mg / kg LW gain.

## Magnesium Metabolism



## Calcium Homeostasis



# Dairy cows

Stop mucking around with late calvers.  
Use Rumetrace magnesium capsules  
3 weeks pre-calving. Job done. ✓  
No more daily mag. ox. for springers!

This table illustrates likely dietary magnesium intake from seasonal NZ pasture by a spring calving New Zealand dairy cow

Stage of Lactation	Mg in NZ pasture					
	Milk production (L)	Pasture level Mg (g/kg DM)	Pasture intake (kg DM)	Total Mg in consumed pasture (g)	Mg availability (%)	Mg absorbed (g)
Dry	0	1	10	10	10	1
Calving	10	1	12	12	10	1.2
Early - Peak Lactation	30	1	18	18	15	2.7
Mid lactation	23	2	16	32	20	6.4
Late Lactation	10	4	14	56	30	16.8

This table illustrates likely magnesium requirements for a spring calving New Zealand dairy cow

Stage of Lactation	Cow* Mg Requirements*				Deficit / Surplus (g Mg)
	Maintenance (g Mg)	Pregnancy (g Mg)	Milk (g Mg)	Total (g Mg)	
Dry	2	0.3	0	2.3	-1.3
Calving	2	0	1.5	3.5	-2.3
Early - Peak Lactation	2	0	4.5	6.5	-3.8
Mid lactation	2	0.1	3.5	5.6	+0.8
Late Lactation	2	0.2	1.5	3.7	+13.1

#Cow in this example is a 450kg cow, producing 30L (2.4kg MS) in peak lactation (Holmes, et al, Milk Production from Pasture, 2002).  
\*Mg requirements for liveweight (LW) gain are not included in this example. Liveweight gain typically requires 0.45g Mg / kg LW gain.



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