

## Calculation of magnesium oxide mixing rates

- Measure total volume of holding tank (A)
- Measure volume of one cow dose delivered by drench gun (B)
- Calculate cow doses per tank  $A/B=C$
- Decide on daily dose rate of magnesium oxide per cow (25-50g) (D)
- Calculate total amount of magnesium oxide to be added to tank ( $C*D$ )
  
- The amount of mag.oxide calculated above should be mixed into tank with any other additives such as MPG or mineral drench and made up to the FULL volume of the tank.
- If drenching twice daily the amount of magnesium calculated above needs to be amount needs to be halved.

No of cows	Total Mg at 30g /cow/day in Kg	Total Mg at 40g /cow/day	Total Mg at 50g/cow/day
10	0.3	0.4	0.5
20	0.6	0.8	1.0
50	1.5	2.0	2.5
100	3.0	4.0	5.0
150	4.5	6.0	7.5
200	6.0	8.0	10.0
250	7.5	10.0	12.5
300	9.0	12.0	15.0
350	10.5	14.0	17.5