Student 3: Low Merit

Intended for teacher use only

Suffate (50%) Tested with red lithnus -> lithnus stayed red/no charge Possible arions (1,1,504, NOS Ruled out anions OH; (03 -> White ppt occured -> 8aso, (2) New sample add Ba (NO3)2 Ba (ag) + SO4 (ag) -> BaSO4 (s) Solubility rule > most sulfates are soluble except for calcium sulfate, banum sufface, and read sufface. Insoluble Magnesium (mg2+) Add 2 drops NaOH - White ppt occured - mg(OH), mg 2/ag) + 20H ag) -> mg (0H) = 60) (s) Add excess NaOH - white ppt remained. -Regn Mg (4) + 204 (4) - mg (0+1)2 (00) (4) add dilute the 504 - white ppt dissappears All exides, hydroxides are insoluble group I and ammonium ion. Insoluble. Magnesium Sulphate. 1 mg (ag) + SO4 (ag) mgSO4 (s) (out require magnesium during winter and uping peroids because add weather means slowly ground growth and can intake, there is a high remand ter magnesium over calling and lactation and low magnesium levels in spring pasture. magnesium deficiency in dainy cows occurs when cows are late pregnancy and early ladation. High producing cows are lack magnesium in but all cows to some exten in magnation in the time period of late pregnancy and early lartation. Magnesiam" asset with the production of hormones that with absorption of calcium. Cows do store magnesium in their body they are not able to acess these. Therefore, cows only gain magnesium through their diet and suppliments it is becommended that dry cows have a diet containing 0:35%, magnesium whereas have a diet of 0.28% of magnesium. By giving cows sulphate or magnesium chloride before calving to more milk flow then using magnesium oxide. It can be difficult to supply the cows with enough magnesium sulphate or chloride so by using magnesium oxide as well means the cons will receive enough magnesium not just the correct type in small amounts. Magnesium can be suppliment to coul by a range of methods. Some are more affective than others and all depends

on the type of cow. Dienching is the most affective. All three of magnesium compounds (eg. magnesium sulphate, chloride, exide.) can be delivered in dreaching. But attrough magnesium oxide is the chaquest it shellshipping by is poorly schools in water which can cause difficulty to with The drench. Next afterfile is pasture doesing. Pasture dusting only north with magnesium exide. The required amount of magnesium exide is doubted when applied because of the affect of mind and rain. Hay treatment once again again only worky with magnesism oxide. By applying a minture of magnesium exide to hay and being teed out to no more than 15 cows a bale. Can also be mixed with molasses to be more palatable. Next affective is through a water wough. This can be done with magnesium charide and magnesium susphase. This is a preferred option only if dusting and mixed in the feed I has treatment is not possible. A dispersor is weed and the trough recol to be monitored over a two to three week period time. Lastly are magnesian bullets. These only provide a small amount of magnesium over a period of 9-12 weeks. This is not very aftertive as it does not reach the requirements. That a cow reeds during the pas late pregnency and early lactation stage. It cans do not recieve enough magnesium then they with may develope milk fearly also recousness in the cow. Whereas it a cow gch to much of magnesium they become nove lathorgh and has a reduted effect. Also a lack of magnesium can earth blood magnesium to tall which can read to one hype magnesachia. This can