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“A Strategic Deworming Protocol for the Seasonal Control Of Gastro-intestinal Parasites in Camelid (llama/alpaca)”

One of many deworming protocols developed for use in camelid. This is a unique protocol designed with strategically timed dewormings both to reduce parasitism in the animals themselves (especially encysted *Haemonchus*) as well as in the animal's environment for an entire grazing season. It has been tested under field conditions at a number of locations across the country.

Treatment Timing:

- 1). **Fall Deworming Regime:** At the end of the grazing season (preferably after a hard frost), feed Safe-Guard® Pellets or Flaked Meal during morning feed at the rate of 1.0 lb per 750 lb of body weight (Safe-Guard® 0.5%) or 4 oz. per 750 lb body weight (Safe-Guard® 1.96%). Spread total dose over three days. On the 4th day give Cydectin* (or Dectomax). Note: Multiple days of Safe-Guard® activates encysted *Haemonchus* larvae which are then killed by Cydectin/Dectomax. (Cydectin works best when given orally at the dose of 0.4-0.5mg/kg).
- 2). **Winter Deworming:** Conduct a fecal exam in late February to early March. If positive: repeat fall treatment regime to make sure animals are not shedding worm eggs at the beginning of the grazing season.
- 3). **Spring-Early Summer Strategic Timed Dewormings:** Begin treatment 3-weeks after turn out or 30-days after first spring grass growth.

1st deworming = 3-day Safe-Guard® protocol given 3-weeks after grazing begins.
2nd deworming = 3-day Safe-Guard® protocol given 3-weeks after the first treatment.
3rd deworming = 3-day Safe-Guard® protocol plus Cydectin or (Dectomax) given on the 4th day) given 3-weeks after the 2nd treatment.
- 4). **Fall Deworming:** Repeat fall program as listed above.

*Safe-Guard® (fenbendazole) is a product of Merck Animal Health. Ivermectin is a generic endecticide available through a number of companies, Dectomax® (doramectin – Zoetis) or Cydectin® (moxidectin – Boehringer Ingelheim Animal Health).

** If monthly or bimonthly (ivermectin or doramectin) treatments given for control of meningeal worm, deworm with Safe-Guard twice a year (fall and spring) to prevent parasite resistance.

