





Enhance Life Bonds



Most Crucial period in Pre & Postpartum



Lian Sub- Clinical Hypoglycaemia is No.1 Problem during Transition Period







- Sudden drop in milk production (2-3 Lt per day)
- along with 30- 40% drop in feed intake (Ignore Concentrate/Grains then Silage but will take paddy straw)
- Smell of Sweet Acetone from Urine and Breathe of animal
- Even after treatment with Ca therapy + Dextrose Inj. + Corticosteroids same problem remains (*30- 40% cases).

Leads to huge economic loss to the farmers

Problem - **KETOSIS**

We need a complete solution for this problem





NEB and Fertility Correlation

1, number of reasons

Pl. check Subclinical Ketosis -

- Negative energy balance increase interval from calving to the first ovulation (baller and smith et.al.1989)
- Increase risk of cystic ovarian diseases (dohoo and martin et.al.1984)





LOSSES DUE TO KETOSIS

1. Apart from the immediate cost of treatment, economic consequences include reduced milk output that may span the entire lactation.

Loss – daily 3lt. Drop in milk production @Rs.25 = 3x25x 30days = INR 2250 loss/animal / month.

2. Animals' Immunity get weak – chances of infection like Mastitis and Metritis is higher in the animals

3. Reproduction efficiency is decreased.

HENCE, SIGNIFICANT ECONOMIC LOSS TO FARMERS



Ketosis Management

Aim:

- 1. To re-establish normal blood glucose level above (50-60 mg/dl)
- 2. Reduce serum ketone body concentrations.

• Administration of 500 ml of 50% dextrose solution (IV) is a common therapy, but effective for only 2 hours.









Blend of Glucogenic and Gluconeogenic Precursors





Increase Production of Propionate and Hence Insulin Sensitivity



Bypass Choline



Lipolytic activity

Breakdown of Fats to provide instant Energy

Reduces incidence of Fatty Liver

BioTrans^{**}

ਬਾਇਓਟਾਂਸ

बायोटान्स

Increase Breakdown of Fats by Liver



Bypass Nicotinamide





Acts as a Co-enzyme in Gluconeogenisis

Complete breakdown of NEFA

Reduces burden of Liver

Reduction of Ketone Bodies

Increase Energy supply

Assistance in Gluconeogenisis



BioTrans[™] बायोट्रान्स



Cobalt is used by Rumen Microbes to produces Vit B-12 and increase VFA synthesis

Calcium Provides additional Calcium for Milk Production

Propionate provides instant Propionic acid which aids in Milk production

Increase in Volatile Fatty Acid (VFA) Production in Rumen



Chicory extract and Jaggery





Chicorry extract has Inulin and Flavonoids having Adsorbant and Anti-inflammatory property

Keeps the Rumen Microflora Healthy

Jaggery provides instant energy in the Rumen

Maintains Healthy Rumen Environment





Blend of Glucogenic and Gluconeogenic Precursors Recommended Usage:

Transition Period:

300 gm per animal per day during transition period (10 days pre calving to 20 days post calving)

Peak Lactation or Stress

• 100gm per animal per day

Can be used in Pelleted Feed as per Requirement







Blend of Glucogenic and Gluconeogenic Precursors BENEFITS:

- Provides Instant Energy for High Yielders during their Lactation
- Reduces incidence of Ketosis and Sub clinical Hypoglycaemia
- Can help in reducing grain or concentrate feeding and thereby reduce incidence of Subacute Ruminal Acidosis
- Reduces incidence of Fatty Liver and has Lipolytic property
- Maintains Milk Production and retains Milk Quality





