















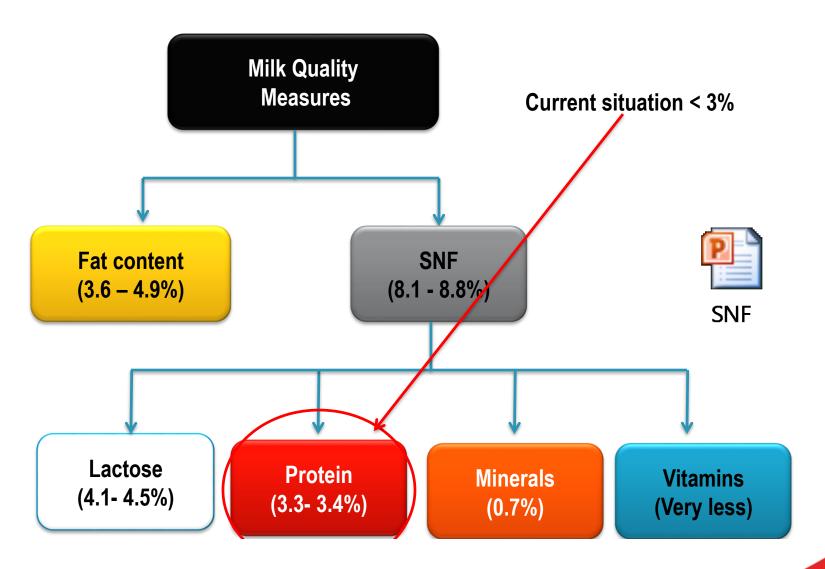




Achieving Precision Nutrition with Amino Acid Balancing

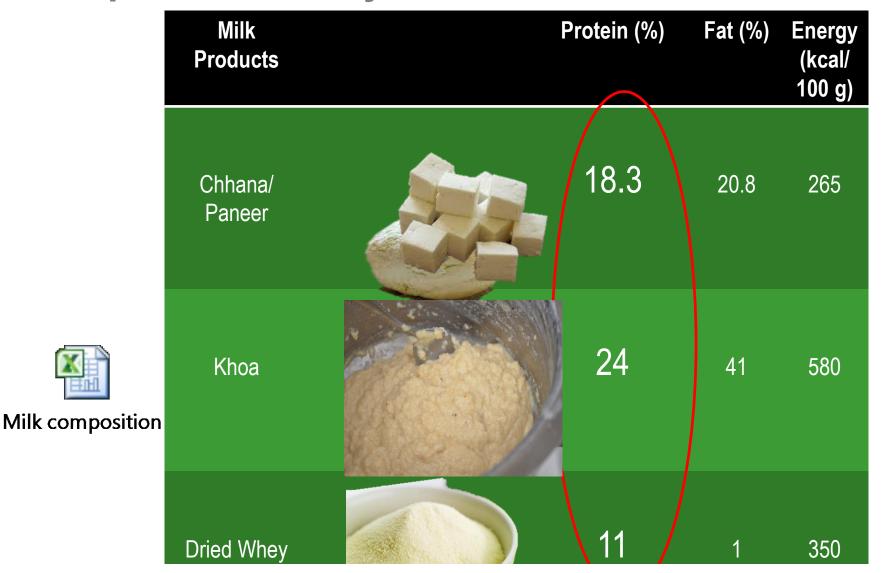


For Milk Quality/ Price



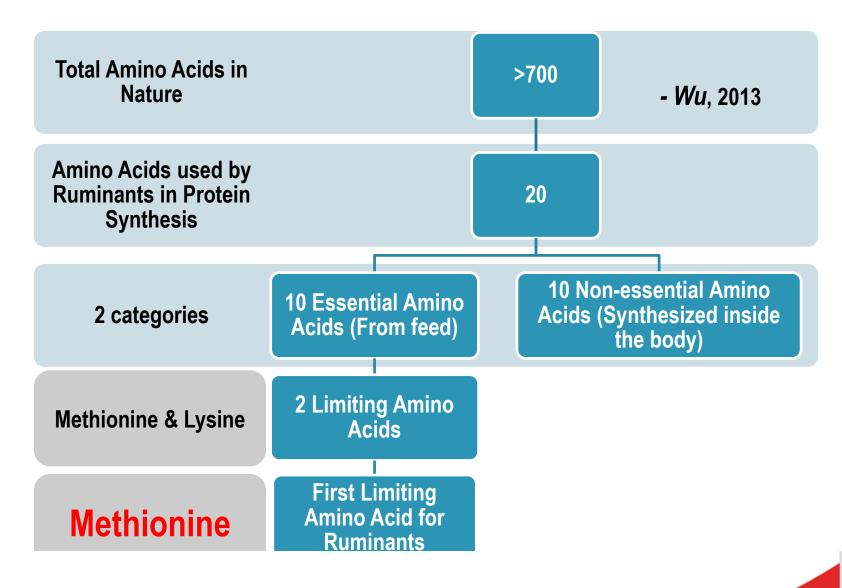


Milk protein ... Why?





Protein: Amino acids





Methionine: First limiting Amino Acid

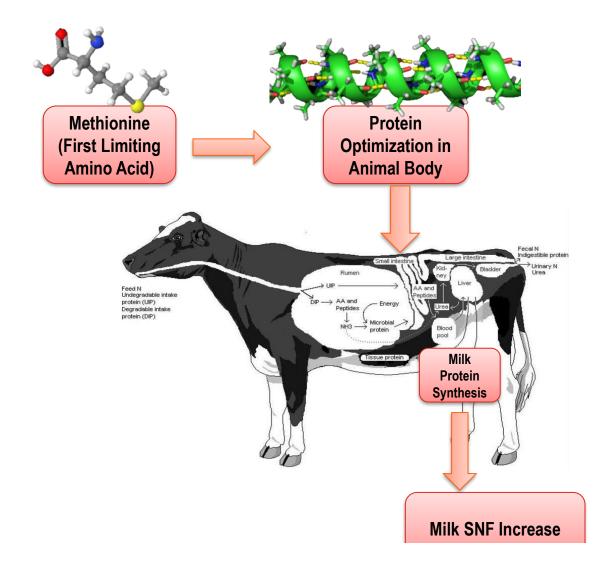


Feed Ingredients are also deficient in methionine





Methionine: For Milk Protein & SNF

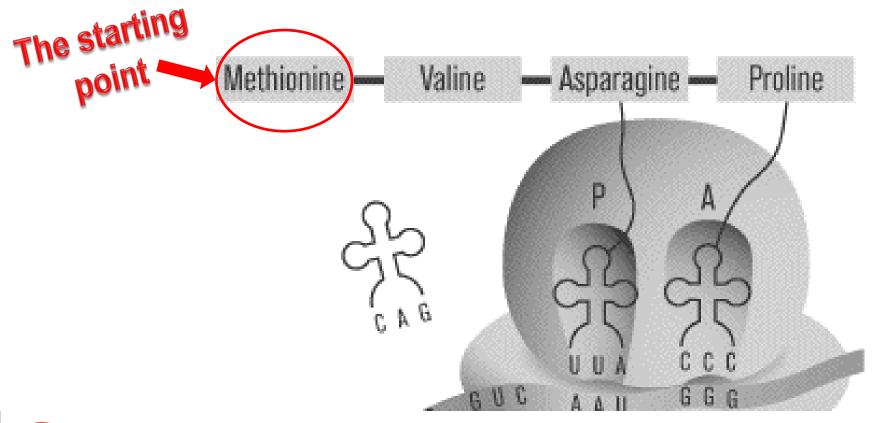




Why only Methionine?



The first amino acid is always Methionine (in form of Formyl-Methionine) to start the protein synthesis.

















MetiPEARL

High Milk Protein & SNF



MetiPEARL

✓ Rumen protected Methionine (55% DL Methionine) with higher intestinal availability

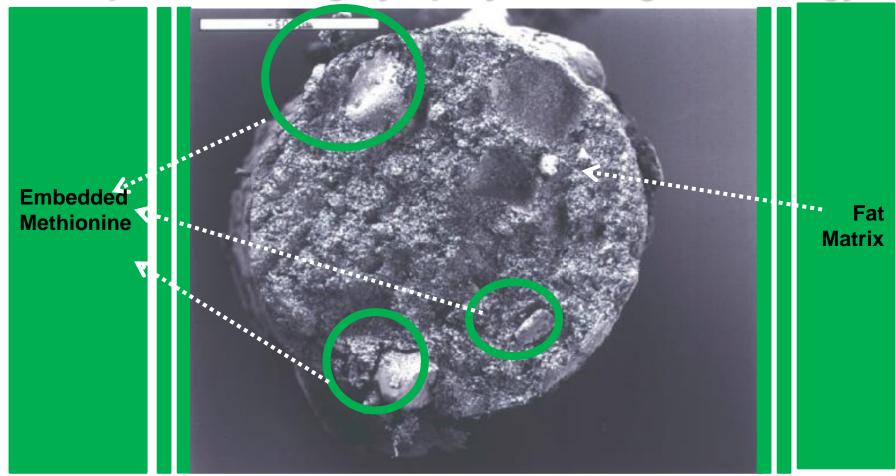
✓ Made in Kemin Cavriago (imported in India)





Unique Technology

Superior Coating by Spray Freezing Technology





MetiPEARL

Higher Milk Protein & SNF

Application Guidelines

- 5-10 g/animal /day for improving milk protein and SNF
- 500-750 g/ton for amino acid balancing in feed

Presentation

5 kg















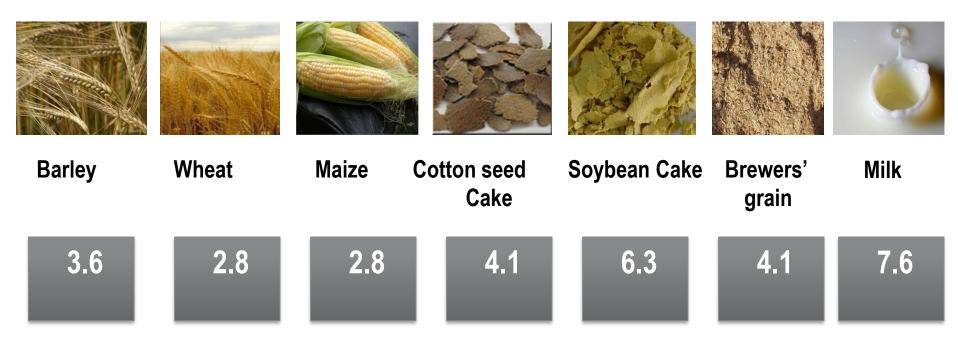
LysiGEM Attain Higher Milk Yield

Lysine

Second Limiting Amino Acid in Dairy Diets next to Methionine



Lysine in Feed and Milk

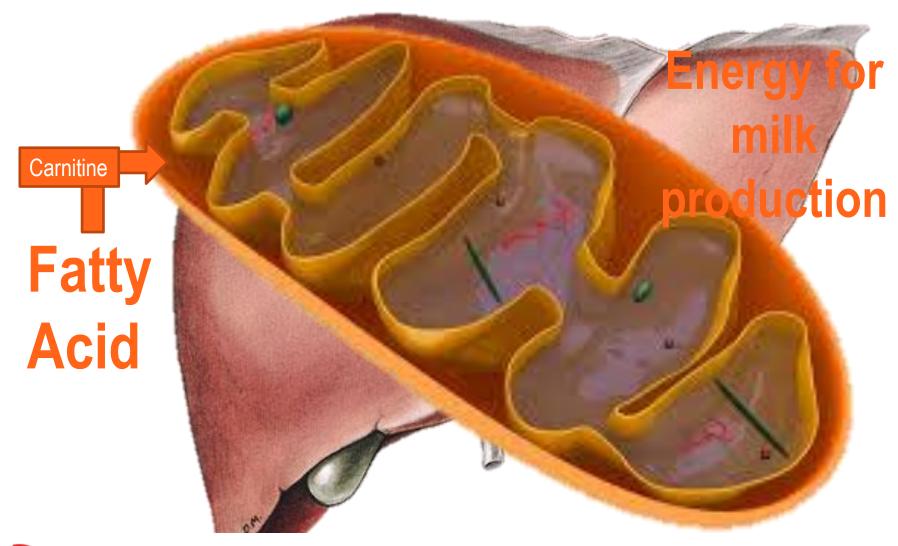


The bypass protein portion of above ingredients may be inadequate to provide the required lysine at intestinal level

Values are based on % of CP in substrate



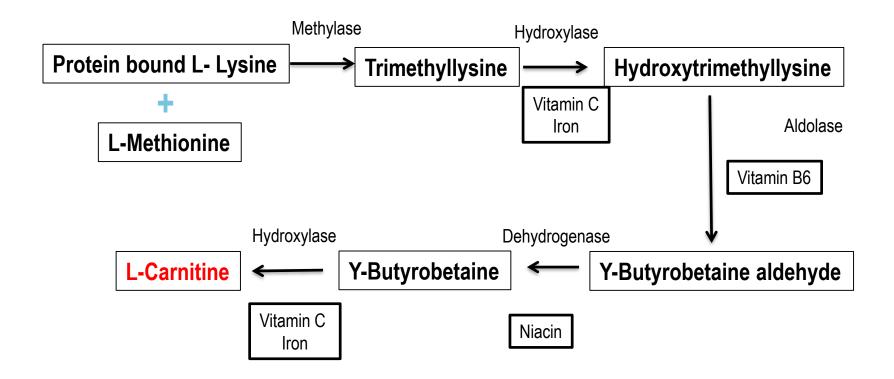
Carnitine in Fat metabolism for energy





Lysine (In Fat and Energy Metabolism)

Carnitine synthesis - (from epsilon N-Trimethyllysine)





LysiGEM

✓ Rumen protected Lysine (68-72% Lysine) with higher intestinal availability

✓ Made in Kemin Cavriago (imported in India)





LysiGEM

Attain Higher Milk Yield

Application Guidelines

- 10-20 g/animal/day for improving milk yield
- 1000-1500 g/MT for amino acid balancing in feed

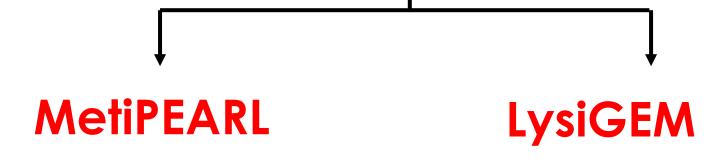
Presentation 5 kg







Amino Acid Balancing in Dairy Animals



- > Milk protein
- > Milk SNF

> Milk yield

Ideal ratio of Lys to Met in diet: 3:1



Thank You

