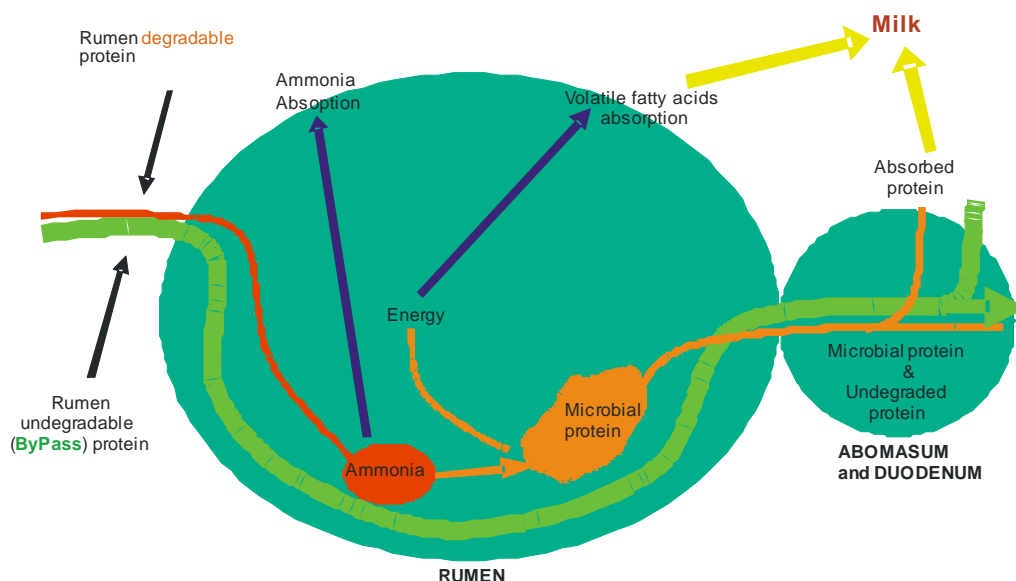




CovaminoSoy HP

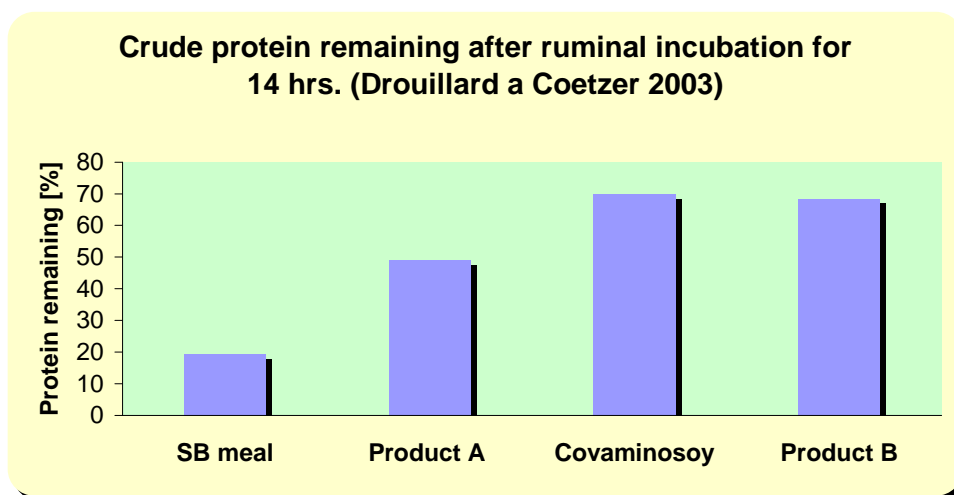
Bypass soy proteins

Maximum production of ruminants is only possible if amino acids, as essential nutrients for proteins, are available to the animal in the right proportions and at the right time. Unnecessary and expensive losses in the rumen due to the microbiological breakdown of proteins must be avoided wherever possible. The undegradability of protein in feeds for ruminants is therefore vitally important. In the drive for higher production and maximum yield, the best possible use of nutrients is of great importance. Covaminosoy provides for this with success.



CovaminoSoy HP is produced through a completely natural and patented process. Thanks to this unique process, Covaminosoy is distinguished by a high level of bypass protein with a maximum level of metabolizable amino acids.

In carefully-controlled conditions, the proteins are bonded via an initial Maillard reaction to inverted sugars without the addition of chemicals. The proteins which have been bonded are resistant to microbiological breakdown in the rumen of the ruminants and have high enzymatic digestibility in the intestine. Amino acids and peptides released in the intestine are maximal absorbed into the bloodstream and used to the maximum for the formation of milk and tissue proteins.



Product A: Heat treated soybean meal

Product B: Lignosulfonate treated soybean meal

Advantages of using **CovaminoSoy HP**

- 👉 High level of protein digestibility.
- 👉 High ratio of rumen undegradable protein (bypass protein).
- 👉 High digestibility of bypass protein in the intestine.
- 👉 Maximum supply of metabolizable amino acids.
- 👉 Maximum protein retention for milk and meat production
- 👉 Good taste and smell so that good intake by the animals is guaranteed.
- 👉 Decreasing the amount of ammonia in the organism – protection of health of the animals and environment.

Typical analysis and nutritive value of CovaminoSoy HP

Moisture [%]	13,0	Ash [%]	6,6
Crude protein [%]	45,3	N free extract [%]	29,4
Fat [%]	1,8	Starch [%]	6,6
Crude fiber [%]	3,5	Sugar [%]	10,8
Lysine [g/kg]	26,9	Calcium [g/kg]	3,0
Methionine [g/kg]	6,4	Phosphorus [g/kg]	6,2
Met. + Cys. [g/kg]	12,6	Potassium [g/kg]	17,2
Tryptophan [g/kg]	5,6	Sodium [g/kg]	0,3
Threonine [g/kg]	16,9	Magnesium [g/kg]	3,2
		Copper [mg/kg]	14,6

Metabolizable energy [MJ/kg]	11,57
Net energy lactation [MJ/kg]	7,17
Net energy fattening [MJ/kg]	7,37
Digestible protein [g/kg]	413
Ileal digestible protein [g/kg]	388
Rumen undegradable protein [%]	73,1
PDIA [g/kg]	329,5
PDIN [g/kg]	389,3
PDIE [g/kg]	367,0



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