COMMODITY NUTRIENT PROFILE

HI PRO DRIED DISTILLERS GRAIN

DESCRIPTION

Hi Pro Dried Distillers Grain (Hi Pro) is the feed product obtained after distillation of the ethyl alcohol from the yeast fermentation of corn. The fibre is mechanically separated from the liquefied corn grain prior to fermentation, resulting in a higher protein feed product. The coarse fraction of the whole stillage is separated by centrifugation to the specifications listed below. The feed is rich in cereal and residual yeast proteins, energy, minerals, vitamins and growth factors. Fermentation of the starch, which is about 2/3 of the weight of cereal grains, results in a threefold concentration of non-starches such as proteins, fats, mineral and vitamins in the residual mash. In addition to these nutrients, protein, vitamins and growth factors are further synthesized by the growing yeast cells during the fermentative process.

USE AND APPLICATION

Corn Distillers Grains are an excellent protein and energy source for all ruminants, and can readily comprise 20-30% of the total ration dry matter. In the rumen, Digestible Intake Proteins (DIP) are degraded by microbes, while the Undegradeable Intake Protein (UIP) remains intake and "by-passes", becoming available for digestion an absorption in the lower tract. Protein in DDGs is a natural protein and recognized as a feedstuff with one of the higher proportions of by-pass protein. DDGs are also an excellent source of energy and other essential nutrients. Like all feedstuffs, DDGs should be properly incorporated into a ration.

STORAGE AND HANDLING

Hi Pro is handled in a manner similar to other dry feed bulk commodities; namely stored in free flowing overhead bins, or some form of sheltered flat storage. The product flows easily or can be conveyed from bins, and handled by usual front-end loader technique. Hi Pro can be combined into a total mixed ration, or top dressed and fed accordingly.

TYPICAL ANALYSIS

	DMB	As Fed
Dry Matter	100.0%	90.5%
Crude Protein	42.0%	38.0%
Fat	8.8%	8.0%
Crude Fiber	9.2%	8.3%
ADF	18.7%	17.0%
NDF	35.5%	32.2%
Ash	2.7%	2.4%
TDN	83.8%	75.85
NE_L	1.93 Mcal/kg	1.75 Mcal/kg
NE_m	2.01 Mcal/kg	1.82 Mcal/kg
Ne_g	1.34 Mcal/kg	1.21 Mcal/kg
DE (swine)	3.69 Mcal/kg	3.34 Mcal/kg

* Listed data are average values only and not considered as guarantees, expressed, or implied, nor as a condition of sale. For guaranteed specifications refer to feed label.

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