



# COMMODITY NUTRIENT PROFILE

## CORN DISTILLERS DRIED GRAINS

### DESCRIPTION:

**Corn Distillers Dried Grains** is obtained after the removal of ethyl alcohol by distillation from the yeast fermentation of a corn or a grain mixture in which corn predominates by separating the resultant coarse grain fraction of the whole stillage and drying it by methods employed in the grain distilling industry. Prior to drying liquid is removed by sieving or centrifugation, and the mash is dried to the specifications listed below. The feed is rich in cereal and residual yeast proteins, energy, minerals, vitamins and growth factors. The product is moderately coarse, friable and a golden to brownish colour. Fermentation of the starch, which is about 2/3 of the weight of cereal grains, results in a three fold 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.

### TYPICAL ANALYSIS:

		<u>DMB</u>	<u>AS FED</u>			<u>DMB</u>	<u>AS FED</u>
Dry Matter	%	100.0	86.0	TDN	%	93.0	80.0
Crude Protein	%	26.0	24.0	DE	Mcal/kg	3.7	3.32
Fat	%	8.0	6.5	NE <sub>i</sub>	Mcal/kg	2.08	1.79
Crude Fibre	%	10.0	8.6	NE <sub>m</sub>	Mcal/kg	2.22	1.91
A.D. Fibre	%	17.0	15.3	NE <sub>g</sub>	Mcal/kg	1.51	1.30
Calcium	%	0.1	0.1				
Phosphorus	%	0.4	0.4				

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

### STORAGE AND HANDLING:

**Corn Distillers Dried Grains** are 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 also handled by usual front-end loader technique. **Corn Distillers Dried Grains** can be combined into a total mixed ration, or top dressed and fed accordingly.

### USE AND APPLICATION:

**Corn Distillers Dried 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 Undegradable Intake Protein (UIP) remains intact and "by-passes", becoming available for digestion and absorption in the lower tract. Protein in **Corn Distillers Dried Grains** is a natural protein and recognized as a feedstuff with one of the higher proportions of by-pass protein. **Corn Distillers Dried Grains** are also an excellent source of energy and other essential nutrients. Like all feedstuffs, **Corn Distillers Dried Grains** should be properly incorporated into a ration, and your McNess representative can assist you to do this properly, not only to obtain full potential of this product but ensure proper consuming animal nutrition.

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