



DISTILLERS DRIED GRAINS WITH SOLUBLES

DESCRIPTION:

Distillers Dried Grains with Solubles is the product obtained by condensing and drying the stillage remaining after the removal of ethyl alcohol by distillation from a yeast fermentation of grain or grain moisture. The coarse fibrous material is separated from the soluble and finely suspended portion by a centrifuge. The liquid fraction is concentrated by evaporation to a syrup which is then combined with the coarse fibrous fraction and dried in heated air dryers. The feed is rich in cereal and residual yeast proteins, energy, minerals, B-vitamins and growth factors. Fermentation of the starch results in a three fold concentration of nonstarches such as proteins, fats, minerals and vitamins. In addition protein, vitamins and growth factors are further synthesized by the growing yeast cells during the fermentation process and are included in the dry residue.

TYPICAL ANALYSIS (dry matter basis)

Dry Matter (%)	90.37	ADF (%)	10.66
Moisture (%)	9.63	aNDF (%)	25.00
Crude Protein (%)	28.36	Fat (%)	11.15
RUP (%)	59.10	Calcium (%)	0.06
NEL (Mcal/lb)	0.8899	Phosphorous (%)	0.95
NEG (Mcal/lb)	0.6418	Magnesium (%)	0.38
NEM (Mcal/lb)	0.9437	Potassium (%)	1.23
NFC (%)	29.49	Sulfur (%)	0.70

STORAGE AND HANDLING:

Distillers Dried Grains are handled in a manner similar to other feed bulk commodities; namely stored in free flowing overhead bins or some form of sheltered flat storage. The product flows or can be conveyed from bins or handles by the usual front end loader technique. Distillers Dried Grains can either be combined into a total mixed ration or topdressed and fed accordingly.

USE AND APPLICATION:

Distillers Dried Grains are an excellent protein and energy source for all ruminants and can readily comprise 15 – 20% of the ration dry matter (6 to 8 pounds per head per day, maximum). Consult with a nutritionist for proper feeding recommendations. It is a medium protein feed with 120% of energy value of ground corn. The protein in Distillers Dried Grains is a natural protein and recognized as a feedstuff with one of the highest proportions of digestible insoluble protein. It is a very palatable feed, is safe to feed in large quantities and may be included in the grain mix at high levels.