



# COMMODITY NUTRIENT PROFILE

## CONDENSED CORN DISTILLERS SOLUBLES

### DESCRIPTION:

Condensed Corn Distillers Solubles is obtained after the removal of ethyl alcohol by distillation from the yeast fermentation of corn grain by condensing the thin stillage fraction to a semisolid liquid. Most distilleries add a majority of the liquid solubles to the dried distiller's grains. 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 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	30.0	TDN	%	84.0	25.0
Crude Protein	%	30.0	9.0	NE <sub>i</sub>	Mcal/lb	0.93	0.25
Fat	%	12.0	3.6	NE <sub>m</sub>	Mcal/lb	0.90	0.16
NFC	%	21.8	6.5	NE <sub>g</sub>	Mcal/lb	0.60	0.18
ADF	%	16.0	4.8	DE	Mcal/lb	1.68	0.50
NDF	%	43.0	12.9	Calcium	%	0.10	0.03
SIP, % of CP	%	15.0	15.0	Phosphorus	%	0.40	0.12
UIP, % of CP	%	50.0	50.0				

\* 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:

Dependent on user requirements, Condensed Corn Distillers Solubles, (CCDS) is a 30% DM liquid, to be stored in a clean sanitary tank, protected as practical from temperature extremes. The liquid can be moved by pumping or gravity flow where conditions permit. Ideally CCDS should be fed to animals in a TMR (ruminants) to ensure proper and uniform intake.

### USE AND APPLICATION:

Condensed Corn Distillers Solubles 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 Condensed Corn Distillers Solubles is a natural protein and recognized as a feedstuff with one of the higher proportions of by-pass protein. Condensed Corn Distillers Solubles are also an excellent source of energy and other essential nutrients. Like all feedstuffs, Condensed Corn Distillers Solubles 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.

**"LOOK TO MCNESS FOR DEPENDABLE LIVESTOCK FEEDING SOLUTIONS THROUGH  
QUALITY PRODUCTS, SERVICES & TECHNICAL SUPPORT"**

**[www.mcness.com](http://www.mcness.com)**