



DISTILLERS GRAINS TECHNOLOGY COUNCIL

*“Increasing the awareness of the value of
Distillers Grains”*



Regulatory Committee Updates

Kurt A. Rosentrater, Ph.D.

Executive Director & CEO

Distillers Grains Technology Council

www.distillersgrains.org

Current Members

- Jackie Lissolo (ICM) – Chair
- Kurt Rosentrater (DGTC)
- Berit Foss (POET)
- Joe Ward (Fluid Quip Technologies)
- Lance Forster (ADM)
- Scott Tilton (The Andersons)
- Janet Remus (IFF)

Ingredient Definition Workgroup

- Much work spent on possible new definitions
 - Throughout 2020 & 2021
 - Meetings, Outside Consultant, FDA
- Decided products fit existing AAFCO definitions
- Created Distillery & Biorefinery Products Table
 - Improve clarity and standardize nomenclature for types of products



Distillers & Biorefinery Products - February 2021

Dried Distillers Grain Products

Industry Name	Common Analysis (As Fed)			Current AAFCO Definition	General Description
	%Protein	%Fat	% Crude Fiber		
DDGS	23-36	3-9	<14	27.6, 27.8	Distillers grains with condensed distillers solubles with a portion of oil removed. Can be in dry or wet form (dry form common analysis displayed).
Full Fat DDGS	21-34	8-12	<14	27.6, 27.8	Distillers grains with condensed distillers solubles. No oil has been removed. Can be in dry or wet form (dry form common analysis displayed).
Deoiled DDGS	26-36	<3	<14	27.9	Solvent extracted DDGS.
DDGS with Bran	23-36	3-16	<14	27.6, 27.8, 48.2	DDGS mixed with bran separated by plant prior to fermentation. Can be in dry or wet form (dry form common analysis displayed).
DDGS Mechanically Separated	24-48	3-8	<14	27.5, 27.4	Post distillation residual whole stillage resulting from the mechanical separation of fiber and protein. Contains condensed distillers solubles.
DDG	24-35	4-8	<14	27.5	Distillers grain. May have a portion of oil removed. Does not contain condensed distillers solubles.
HiPro DDG	36-48	4-6	<12	27.5	Distillers grain. Portion of fiber and oil removed which concentrates protein. Does not contain condensed distillers solubles.

Other Distillers Products

Industry Name	Common Analysis (As Fed)			Current AAFCO Definition	General Description
	%Protein	%Fat	% Crude Fiber		
Syrup (CDS)	5-25	3-23	0-4	27.7	Condensed thin stillage.
Distillers Yeast	40-55	0-8	0-6	96.5	Inactive <i>Saccharomyces cerevisiae</i> yeast removed from the process stream after fermentation either before or after distillation.
	%Total Fatty Acids	%Unsaponifiable Matter	%Insoluble Impurities		
Distillers Oil	>85	<2.5	<1	33.10	Oil removed by centrifugation from the condensed distillers solubles stream or by solvent extraction of DDGS.

Table Continued

High Fiber Distillers Products

Industry Name	Common Analysis (As Fed)			Current AAFCO Definition	General Description
	%Protein	%Fat	% Crude Fiber		
Bran Fiber with Syrup	18-28	4-9	15-20	48.2, 27.7	Bran separated by plant prior to fermentation mixed with condensed distillers solubles. Can be in dry or wet form (dry form common analysis displayed).
Fermented Fiber Mechanically Separated	<24	2-7	10-20	27.5, 27.4	Post distillation mechanical separation of the whole stillage resulting in a concentration of fiber. Does not contain distillers solubles unless listed.

Fermented Protein Products

Industry Name	Common Analysis (As Fed)			Current AAFCO Definition	General Description
	%Protein	%Fat	% Crude Fiber		
Fermented Protein	48+	3-8	<8	27.5	Portions of fiber and oil removed by concentrating residual grain and yeast proteins by methods commonly used in distilling industry. Contains concentrated spent yeast products. Does not contain condensed distillers solubles unless listed.
Fermented Protein Mechanically Separated	48+	1-5	<8	27.5	Post distillation separation of protein from the whole stillage, utilizing only mechanical separation. Will contain spent yeast products, no non-mechanical methods utilized post distillation. Does not contain distillers solubles unless listed.

This table is meant for informational purposes only and does not convey any regulatory or specification requirements. The information listed is not all inclusive and is current as of date displayed in title and will be updated as industry innovation continues. The Distillers Grain Technology Council does not endorse any specific product or brands of feed products.

2/11/2021

<https://distillersgrains.org/distillers-grains/>

Regulatory Committee

- Decided to rename working group
- Future tasks include:
 - Possible updates to table
 - FDA training/meetings
 - Any other emerging regulatory issues



Thank you