High Energy Corn Gluten Feed

New Technology For Better Nutrition in Feed.

A Partnership between

PROTECH NUTRITION, INC

And

AG Food Commodities

A Cost Effective Energy Source

Solution For The Least Cost Formulation

"WE NEED CORN"

Meeting feed energy requirements is becoming a major challenge to feedmillers in Indonesia.

What is High Energy Corn Gluten Feed (HE CGF)?

High Energy Corn Gluten Feed is a raw material designed to meet your need for a cost effective, and a highly digestible energy source for your feed.

It is based on our patented blend of corn based dry ingredients. These include a careful selection of processed corn by products from the manufacture of syrup, starch, oil, and distillation.

This product is carefully formulated and manufactured in the USA to give you just what you need. An abundant source of Energy, medium Protein, a rich source of Lysine, Xanthophyll, Phosphorus, other essential amino acids, and minerals. It is low in fiber and has no anti-nutritive factor.

HE CGF is perfect for use in poultry feed, aqua feed, cattle feed, and swine feed applications.

Do you find it difficult to meet your feed's energy needs?

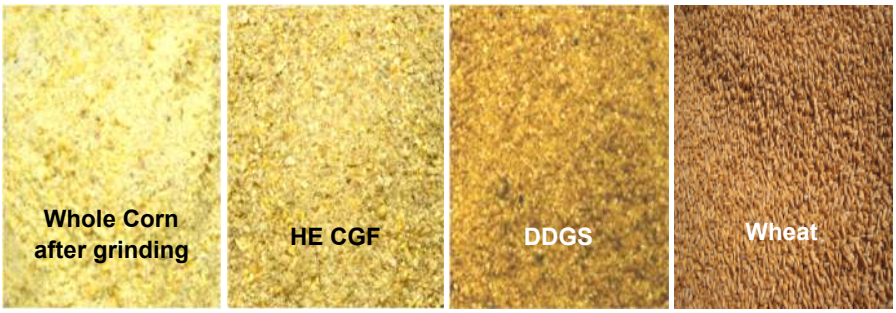
Do you find yourself at the mercy of high cost raw materials and government quotas?

Are you using DDGS as a less than optimal solution in your formula?

Do you need to reduce the cost of feed but you don't know how?

We have the perfect solution!

COMPARE HE CGF WITH CORN, DDGS & WHEAT



Typical Values Dry Basis	Corn	HE CGF	DDGS	Wheat
Protein Crude	8.00%	14.80%	27.00%	10.80%
Fat Crude	3.80%	4.72%	8.00%	1.70%
Fiber	3.80%	4.60%	7.80%	2.80%
Ash	1.71%	2.74%	6.00%	2.00%
Phosphorus	0.27%	0.61%	0.77%	0.30%
L-Hunter (colour)	80.9	74.1	50	NA
ME Poultry (Kcal/Kg)	3470	3638	2400	3210
Lysine	0.23%	0.49%	0.79%	0.30%
Methionine	0.17%	0.28%	0.46%	0.14%
Cysteine	0.21%	0.29%	0.52%	0.20%
Theonine	0.29%	0.48%	1.13%	0.28%
Arginine	0.46%	0.76%	0.52%	0.40%
Isoleucine	0.33%	0.52%	1.93%	0.42%
Valine	0.48%	0.72%	1.83%	0.48%
Tryptophan	0.06%	0.14%	0.20%	0.12%

We guarantee a superior product that is highly digestible, consistent in physical appearance, and is true to it's specifications. It is free from animal by-products. The price is stable relative to the market, and the supply is available year round.

It is more cost effective than any other corn by products such as DDGS or CGM.

You can mix HE CGF with corn on a 1:1 basis or as per the recommendation from your nutritionist.

It is time to improve the quality and lower the cost of your feed by using HE CGF.

Contact us anytime for more information, to get a free sample, or to order now:

AG Food Commodities

Contact: Andrian

Tel / WA: +62 816-606-008

Email: andrian.gandha@gmail.com

Guaranteed Product Specifications:

Crude Protein……..11.5% min

Crude Fat……..…….3.5% min

Crude Fiber……..……5.5% max

Moisture……..……..15.0% max

Ash……..……4.0% max

Aflatoxin……20 ppb max

Packing……in Bulk 20/40/HC FCL

Country of Origin ……....USA

THE METABOLIZABLE ENERGY DERBY

THE HIDDEN COSTS OF CORN

H.S. Code

2303.10.90 — Residues of starch manufacture and similar residues, beet-pulp, bagasse and other waste of sugar manufacture, brewing or distilling dregs and waste, whether or not in the form of pellets.- - Other

BM: 0% PPN: 999

Pro-Tech Nutrition Inc. was established in May of 2008 in Fremont, Nebraska, USA.

Pro-Tech has a diverse line of businesses including custom packaging, and animal nutrition.

Their core business is producing animal feed, and custom feed rations. They supply them to various lifestock farmers and other customers in the Midwestern part of the USA.

They have a competitive advantage in being able to get a steady supply of corn and corn by products from the “corn belt” in the heartland of the USA. Using these byproducts and available grains, Pro-Tech’s scientists engineer custom raw material products which are cheaper and more effective than traditional commodities alone. These products are exported to meet strong demand from livestock farmers and feed millers in the South East Asian market since 2015.

Pro-Tech is currently expanding their product portfolio and is working with AG Food Commodities in Indonesia to introduce a new product called High Energy Corn Gluten Feed. Picking by-products from only the best suppliers, we are able to upgrade the specifications of the traditional CGF to better meet the market demand for a low cost, high energy product.

PROXIMATE ANALYSIS AND AMINO ACID PROFILE OF HIGH ENERGY CORN GLUTEN FEED

REPORT NUMBER **17-261-9472 v2**
REPORT DATE **Oct 20, 2017** SEND TO **42095**
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PROTECH NUTRITION
TODD DOHMEN
209 E JACKSON
FREMONT NE 68025

REPORT OF ANALYSIS
For: (42095) PROTECH NUTRITION
COMMODITY BLEND
FINISHED FEEDS

Analysis	Level Found As Received	Level Found Dry Weight	Units	Reporting Limit	Method	Analyst-Date	Verified-Date
Sample ID: **16H3D** Lab Number: **12891919**							
Moisture	14.87	//////	%	0.01	AOAC 930.15	vrm7-2017/09/06	cde2-2017/09/07
Dry matter	85.13	//////	%	0.010	Calculation	Auto-2017/09/18	Auto-2017/09/18
Protein (crude)	12.6	14.8	%	0.20	AOAC 990.03	tat9-2017/09/06	cde2-2017/09/07
Fat (crude)	4.02	4.72	%	0.10	AOAC 945.16	kfl0-2017/09/06	cde2-2017/09/07
Fiber (acid detergent)	3.9	4.6	%	0.5	ANKOM Tech. Method	bjp7-2017/09/06	cde2-2017/09/07
Ash	2.33	2.74	%	0.10	AOAC 942.05	vrm7-2017/09/07	cde2-2017/09/07
Total digestible nutrients	75.5	88.7	%	0.1	Calculation	Auto-2017/09/07	Auto-2017/10/20
Net energy (lactation)	0.79	0.93	Mcal/lbs	0.01	Calculation	Auto-2017/09/07	Auto-2017/10/20
Net energy (maint.)	0.83	0.98	Mcal/lbs	0.01	Calculation	Auto-2017/09/07	Auto-2017/10/20
Net energy (gain)	0.55	0.65	Mcal/lbs	0.01	Calculation	Auto-2017/09/07	Auto-2017/10/20
Digestible energy	1.51	1.77	Mcal/lbs	0.01	Calculation	Auto-2017/09/07	Auto-2017/10/20
Metabolizable energy	1.40	1.65	Mcal/lbs	0.01	Calculation	Auto-2017/09/07	Auto-2017/10/20
Sulfur (total)	0.20	0.24	%	0.01	AOAC 985.01 (mod)	cvs7-2017/09/06	cde2-2017/09/07
Phosphorus (total)	0.52	0.61	%	0.01	AOAC 985.01 (mod)	cvs7-2017/09/06	cde2-2017/09/07
Potassium (total)	0.61	0.72	%	0.01	AOAC 985.01 (mod)	cvs7-2017/09/06	cde2-2017/09/07
Magnesium (total)	0.19	0.22	%	0.01	AOAC 985.01 (mod)	cvs7-2017/09/06	cde2-2017/09/07
Calcium (total)	0.11	0.13	%	0.01	AOAC 985.01 (mod)	cvs7-2017/09/06	cde2-2017/09/07
Sodium (total)	0.03	0.04	%	0.01	AOAC 985.01 (mod)	cvs7-2017/09/06	cde2-2017/09/07
Iron (total)	76.0	89.3	ppm	5.0	AOAC 985.01 (mod)	cvs7-2017/09/06	cde2-2017/09/07

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Sample ID: **16H3D** Lab Number: **12891919** (con't)							
Manganese (total)	14.6	17.2	ppm	1.0	AOAC 985.01 (mod)	cvs7-2017/09/06	cde2-2017/09/07
Copper (total)	8.5	10.0	ppm	1.0	AOAC 985.01 (mod)	cvs7-2017/09/06	cde2-2017/09/07
Zinc (total)	53.4	62.7	ppm	1.0	AOAC 985.01 (mod)	cvs7-2017/09/06	cde2-2017/09/07
DE (NRC swine)	3460	4060	Kcal/kg	0.10	Calculation	Auto-2017/09/07	Auto-2017/09/18
DE (NRC swine)	1570	1840	Kcal/lb	0.10	Calculation	Auto-2017/09/07	Auto-2017/09/18
ME (NRC swine)	3350	3940	Kcal/kg	0.10	Calculation	Auto-2017/09/07	Auto-2017/09/18
ME (NRC swine)	1520	1790	Kcal/lb	0.10	Calculation	Auto-2017/09/07	Auto-2017/09/18
NE (NRC swine)	2550	3000	Kcal/kg	0.10	Calculation	Auto-2017/09/07	Auto-2017/09/18
NE (NRC swine)	1160	1360	Kcal/lb	0.10	Calculation	Auto-2017/09/07	Auto-2017/09/18
Aspartic acid	0.87	1.02	%	0.01	AOAC 994.12 (Alt. III)	ljk9-2017/09/12	tjp8-2017/09/12
Threonine	0.41	0.48	%	0.01	AOAC 994.12 (Alt. III)	ljk9-2017/09/12	tjp8-2017/09/12
Serine	0.59	0.69	%	0.01	AOAC 994.12 (Alt. III)	ljk9-2017/09/12	tjp8-2017/09/12
Glutamic acid	2.08	2.44	%	0.01	AOAC 994.12 (Alt. III)	ljk9-2017/09/12	tjp8-2017/09/12
Proline	1.04	1.22	%	0.01	AOAC 994.12 (Alt. III)	ljk9-2017/09/12	tjp8-2017/09/12
Glycine	0.52	0.61	%	0.01	AOAC 994.12 (Alt. III)	ljk9-2017/09/12	tjp8-2017/09/12
Alanine	0.81	0.95	%	0.01	AOAC 994.12 (Alt. III)	ljk9-2017/09/12	tjp8-2017/09/12
Cystine	0.25	0.29	%	0.01	AOAC 994.12 (Alt. I)	ljk9-2017/09/18	tjp8-2017/09/18
Valine	0.61	0.72	%	0.01	AOAC 994.12 (Alt. III)	ljk9-2017/09/12	tjp8-2017/09/12
Methionine	0.24	0.28	%	0.01	AOAC 994.12 (Alt. I)	ljk9-2017/09/18	tjp8-2017/09/18

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Isoleucine	0.44	0.52	%	0.01	AOAC 994.12 (Alt. III)	ljk9-2017/09/12	tjp8-2017/09/12
Leucine	1.21	1.42	%	0.01	AOAC 994.12 (Alt. III)	ljk9-2017/09/12	tjp8-2017/09/12
Tyrosine	0.51	0.60	%	0.01	AOAC 994.12 (Alt. III)	ljk9-2017/09/12	tjp8-2017/09/12
Phenylalanine	0.58	0.68	%	0.01	AOAC 994.12 (Alt. III)	ljk9-2017/09/12	tjp8-2017/09/12
Lysine (total)	0.42	0.49	%	0.01	AOAC 994.12 (Alt. III)	ljk9-2017/09/12	tjp8-2017/09/12
Histidine	0.36	0.42	%	0.01	AOAC 994.12 (Alt. III)	ljk9-2017/09/12	tjp8-2017/09/12
Arginine	0.65	0.76	%	0.01	AOAC 994.12 (Alt. III)	ljk9-2017/09/12	tjp8-2017/09/12
Tryptophan	0.12	0.14	%	0.01	AOAC 988.15 (mod)	ljk9-2017/09/08	tjp8-2017/09/08
Aflatoxin B1	< 1.00		ppb	1.00	AOAC 2008.02 (mod)	akj2-2017/10/19	tjp8-2017/10/19
Aflatoxin B2	< 1.00		ppb	1.00	AOAC 2008.02 (mod)	akj2-2017/10/19	tjp8-2017/10/19
Aflatoxin G1	< 1.00		ppb	1.00	AOAC 2008.02 (mod)	akj2-2017/10/19	tjp8-2017/10/19
Aflatoxin G2	< 1.00		ppb	1.00	AOAC 2008.02 (mod)	akj2-2017/10/19	tjp8-2017/10/19
Aflatoxin summation	< 1.00		ppb	1.00	Calculation	Auto-2017/10/19	Auto-2017/10/20
DON (Vomitoxin)	0.7		ppm	0.1	AOAC 2008.02 (mod)	akj2-2017/10/19	tjp8-2017/10/19
Fumonisin B1	1.4		ppm	0.1	AOAC 2008.02 (mod)	akj2-2017/10/19	tjp8-2017/10/20
Fumonisin B2	0.4		ppm	0.1	AOAC 2008.02 (mod)	akj2-2017/10/19	tjp8-2017/10/20
Fumonisin B3	< 0.1		ppm	0.1	AOAC 2008.02 (mod)	akj2-2017/10/19	tjp8-2017/10/20
Fumonisin summation	1.80		ppm	0.10	Calculation	Auto-2017/10/20	Auto-2017/10/20
Ochratoxin	< 1.0		ppb	1.0	AOAC 2008.02 (mod)	akj2-2017/10/19	tjp8-2017/10/19

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Sample ID: **16H3D** Lab Number: **12891919** (con't)							
T-2 toxin	< 0.1		ppm	0.1	AOAC 2008.02 (mod)	akj2-2017/10/19	tjp8-2017/10/20
Zearalenone	< 50		ppb	50	AOAC 2008.02 (mod)	akj2-2017/10/19	tjp8-2017/10/19
Hunter color L value	74.1		L Value	1.0	Hunter Labs	vrm7-2017/09/06	cde2-2017/09/07
Fiber (crude)	3.56	4.18	%	0.20	AOCS Ba 6a-05	vrm7-2017/09/06	cde2-2017/09/07
Fiber (neutral detergent)	12.5	14.7	%	1.0	Ankom Technology/AOAC 2001.11	pgr4-2017/09/06	cde2-2017/09/07
Starch (total)	46.82	55.00	%	0.10	AACC 76-11 (mod)	jsp2-2017/09/06	asl4-2017/09/06
Total calories	3.8	4.5	kcal/g	1.0	ASTM D 5865-13	pgr4-2017/09/11	cde2-2017/09/11

This report was reissued on 2017-10-20 11:22:24 by tjp8 for the following reason:
add on per client.
ppm = parts per million, ppm = mg/kg , ppb = parts per billion Mineral analysis performed by ICAP using a wet digest procedure.
Total starch value includes all hydrolyzable carbohydrates.
NRC energy calculations based on NRC 7th ed revised 2001.

For questions please contact:
Jamie Wood
Account Manager
jwood@midwestlabs.com (402)590-2964

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