

COMPOSITION ANALYSIS

DISTILLERS DRIED GRAINS WITH SOLUBLES (DDGS)

| <u>NUTRIENT</u> | <u>TYPICAL VALUE</u> |
|--------------------------|----------------------|
| Dry Matter, % | 91.0 |
| Crude Protein, % | 28.5 |
| TDN, % | 84.0 |
| By Pass Protein, % | 55.0 |
| Fat, % | 9.5 |
| Fatty Acids: | |
| Linoleic, % | 3.9 |
| Linolenic, % | 0.4 |
| Crude Fiber, | 9.1 |
| NDF, % | 44.0 |
| ADF, % | 17.5 |
| Ash, % | 4.9 |

MINERALS:

| | |
|----------------------|------|
| Phosphorous, % | 0.75 |
| Potassium, % | 0.70 |
| Calcium, % | 0.16 |
| Magnesium, % | 0.26 |
| Sodium, % | 0.57 |
| Chloride, % | 0.18 |
| Sulfur, % | 0.38 |
| Iron, ppm | 233 |
| Zinc, ppm | 89 |
| Copper, ppm | 58 |
| Manganese, ppm | 25 |
| Selenium, ppm | 0.42 |
| Zinc, ppm | 0.65 |

ENERGY:

| | |
|---------------------------|------|
| ME, Mcal/lb | 1.37 |
| NEL, Mcal/lb | 0.92 |
| NEM, Mcal/lb | 0.99 |
| NEG, Mcal/lb | 0.68 |
| ME Swine, Kcal/lb | 1540 |
| ME Poultry, Kcal/lb | 1250 |
| DE Horses, Kcal/lb | 1586 |

AMINO ACIDS:

| <u>NUTRIENT</u> | <u>TYPICAL VALUE</u> |
|------------------------|----------------------|
| Lysine, % | 0.70 |
| Methionine, % | 0.60 |
| Cystine, % | 0.30 |
| Histidine, % | 0.70 |
| Isoleucine, % | 1.52 |
| Leucine, % | 2.23 |
| Phenylalanine, % | 1.51 |
| Threonine, % | 0.93 |
| Tryptophan, % | 0.20 |
| Valine, % | 1.63 |
| Arginine, % | 1.05 |

VITAMINS:

| | |
|-------------------------|-----|
| A, IU/lb | 455 |
| D, IU/lb | 275 |
| E, mg/lb | 20 |
| Niacin, mg/lb | 35 |
| Riboflavin, mg/lb | 5 |



For more application information and sources of supply, please contact:

Distillers Grains Technology Council

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Or visit our web site:

www.distillersgrains.org