

# CORN GERM MEAL

## Technical Data Sheet

### Product Description

Corn germ meal is an excellent source of protein and fiber for poultry, swine, cattle, pets, and other animals providing a good balance of amino acids and essential nutrients.

### Typical Nutrient Composition\* (as-is basis)

	<i>Decatur</i>	<i>Clinton</i>
Moisture, %.....	10.5	9.8
Crude protein, % .....	23.1	25.2
Crude fat, % .....	1.5	0.7
Crude fiber, % .....	8.2	8.3
Ash, % .....	3.3	3.1
Starch, %.....	15.13	11.41
ADF, %.....	12.82	13.19
NDF, %.....	40.38	40.60
Calcium, % .....	0.01	0.01
Phosphorus, % .....	0.78	0.75
Sulfur, % .....	0.301	0.329
Na, % .....	0.044	0.004
Mg, % .....	0.251	0.249
K, % .....	0.47	0.42
Fe, ppm.....	101	113
Zn, ppm.....	84	96
Cu, ppm.....	7	5
Mn, ppm.....	11	13

### Amino Acids

Arginine .....	1.58	88.7	89.7
Cysteine .....	0.32	69.0	64.1
Glutamic acid.....	3.15	87.3	77.8
Glycine .....	1.31	NA	68.6
Histidine .....	0.69	83.6	77.6
Isoleucine .....	0.91	85.6	76.7
Leucine .....	1.81	88.8	83.8
Lysine .....	0.98	78.0	68.4
Methionine .....	0.45	88.1	80.8
Phenylalanine .....	1.08	89.4	82.0
Serine.....	0.93	89.3	75.1
Threonine .....	0.89	80.0	71.3
Tryptophan .....	0.13	88.7	81.4
Valine .....	1.42	86.2	76.0

### Digestibility Coefficients, %

Typical	Poultry	Swine
1.58	88.7	89.7
0.32	69.0	64.1
3.15	87.3	77.8
1.31	NA	68.6
0.69	83.6	77.6
0.91	85.6	76.7
1.81	88.8	83.8
0.98	78.0	68.4
0.45	88.1	80.8
1.08	89.4	82.0
0.93	89.3	75.1
0.89	80.0	71.3
0.13	88.7	81.4
1.42	86.2	76.0

\*Approximate values; not guarantees of actual content.

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	<b>As-Is</b>	<b>DM</b>
Total Digestible Nutrients (%).....	67.3	74.0
Net Energy Maintenance (mcal/lb)....	.73	.80
Net Energy Gain (mcal/lb).....	.46	.51
Net Energy Lactation (mcal/lb).....	.70	.77

Energy, kcal/kg	DM	Decatur, As-Is**	Clinton, As-Is**
GE (Ellis, 2018)	4,639	4,152	4,184
Swine DE	3,210	2,873	2,895
Swine ME	3,143	2,813	2,835
TME <sub>N</sub> (UGA 2010)	2,244	2,008	2,024
AME(Stein, UIUC)	1,984	1,776	1,790

\*\*adjusted to average moisture at each location (Decatur: 10.5%, Clinton: 9.80%)