



# Commodity Guide

## Corn Gluten Feed

### Product Description

**Corn Gluten Feed** is the part of commercial shelled corn that remains after the extraction of the larger portion of starch, gluten and germ by the processes employed in the wet milling manufacture of corn starch or syrup. It is a good source of protein, energy, phosphorus, potassium, magnesium and other nutrients. It is very palatable and can be used as the sole grain source for growing heifers and dry cows plus up to 50 percent of the grain for lactating cows. The protein in corn gluten feed is largely rumen degradable. Much of the starch has been removed from corn gluten feed so it is a useful ingredient to replace a portion of high starch grains like corn, especially in high forage rations.

#### TYPICAL ANALYSIS\*:

		DM	As Fed
Dry Matter	%	100.0	90.0
Crude Protein	%	24.0	21.6
UIP, % of CP	%	30.0	30.0
SIP, % of CP	%	55.0	55.0
Fat	%	2.4	2.1
Crude Fiber	%	7.0	6.3
ADF	%	12.0	10.8
NDF	%	38.0	34.2
NE <sub>L</sub> (Rum)	Mcal/lb.	0.85	0.76
NE <sub>M</sub> (Rum)	Mcal/lb.	0.89	0.80
NE <sub>G</sub> (Rum)	Mcal/lb.	0.59	0.53
NFC	%	38.0	34.2
Calcium	%	0.20	0.18
Phosphorus	%	0.85	0.76

\*Listed data are average values only and not considered as guarantees, expressed, or implied, nor as a condition of sale. For guaranteed specifications refer to label.

### Storage and Handling

Corn gluten feed is available as flakes or pellets. While nutritionally identical, the density of pellets (as compared with flakes) gives the advantage of reduced transportation costs. Pellet hardness will vary substantially, depending on the binding agent used in processing. Corn Gluten Feed can be stored in any structure that will accommodate pellets. Flow characteristics may cause a problem with bridging during unloading and in some gravity-flow operations.

### Use and Application

Corn Gluten Feed is often an economical feedstuff that can reduce overall ration costs. It is particularly high in phosphorus, can be used to replace more costly sources of protein, while effectively replacing corn and serving as a source of supplemental fiber.

#### *Growing Heifers*

Corn Gluten Feed can be utilized as the sole or majority portion of the grain fed to growing heifers in a variety of forage situations. The inclusion of this product in heifer rations can reduce ration costs while providing desirable weight gains to develop adequate body size to allow breeding by 15 months or sooner and calving by 24 months or sooner.

#### *Lactating Cows*

Corn Gluten Feed can help reduce ration cost and provide the nutrition needed for high levels of milk production. Since corn gluten feed is low in bypass protein and starch, it should be fed in rations where those attributes will complement other available ingredients. Corn gluten may be fed to lactating cows at a rate of up to 50% of the daily grain intake or up to 12 pounds per head per day.