

Field Corn Grain

DESCRIPTION

Field corn grain has three major components: germ, endosperm and hull.

CLASSIFICATION

Starch and sugar, plant-based oils, plant-based proteins, lignocellulosic biomass¹

SOURCE INDUSTRY

Corn farming. See the [Grains & Crops industry roadmap](#).

ANNUAL VOLUME GENERATED IN WISCONSIN

391.5 million bushels² (based on 10.962 million tons at 56 lb./bushel)

CURRENT APPLICATIONS

Human and animal consumption, ethanol, sugars, syrups, chemicals, food oils³

PRICE

\$96/ton (based on \$2.70 per bushel;⁴ this is highly variable)

APPLICABLE BIOREFINING PROCESSES

[Anaerobic digestion](#), [biomass gasification](#), [combustion](#), [dry mill corn processing](#), [fermentation of 6-carbon sugars and starches](#), [lipid extraction](#), [wet mill corn processing](#)¹

REFERENCES

¹ Watson, Stanley A. and Paul E. Ramstad (eds.). 1987. Corn: Chemistry and Technology. American Association of Cereal Chemistry Inc., St. Paul, MN.

² Wisconsin Agricultural Statistics Service. 2003 Wisconsin Agricultural Statistics. <http://www.nass.usda.gov/wi/annbull/index.htm> (8 April 2004)

³ Inglett, G.E. (ed.) 1970. Corn: Culture, Processing, Products. Avi Publishing Co., Westport, CN.

⁴ Wisconsin Soybean, Corn Price Up for Mid-March. 2004. Wisconsin Ag Connection, April 2. <http://www.wisconsinagconnection.com/story-state.cfm?ID=409&yr=2004> (8 April 2004)

Additional background information provided by interviews with Jim Coors, Bill Tracy, and Jim Lauer