

# Sweet Corn Grain

## DESCRIPTION

The grain is comprised of two main elements: the grain, which provides carbohydrates, oils and proteins, and the husk, which provides lignocellulosic fibers. The cobs to which the grains are attached are also fibrous.<sup>1</sup>

## CLASSIFICATION

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

## SOURCE INDUSTRY

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

## ANNUAL VOLUME GENERATED IN WISCONSIN

619,700 tons<sup>2</sup>

## CURRENT APPLICATIONS

Human consumption

## PRICE

\$420/ton fresh, \$56.20/ton processed<sup>2</sup>

## 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](#)

## REFERENCES

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

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