

Corn

Whole Corn Products

Fractionated Products

Cob and Kernel

Food

baby corn
pickled baby corn
boiled sweet corn
canned corn
frozen packaged



Industrial

decorative items
(pod, indian corn)

Cob or Stover

Industrial

polishing media
furfural
(chemical feedstock)
liquid spill recovery media
dust adsorbant
construction board
cosmetic powders

Whole Kernel Products

Food

pop corn
snack food
cusco
posole
canned corn
soup mixes
canned hominy
frozen packaged



Feed

livestock feed
wild animal feeds

Alkali Cooked

Food

tortilla flours
hominy
corn chips
tortilla chips
taco shells
sopapillas
atoles
pazole
menudo
tostados

Dry-milled Corn

Grits / Cones

Food

breakfast cereals
fortified foods
pinole
snack foods
maize porridges
alkali cooked products
breads, bakery products
fermented beverages
non-fermented beverages
pet foods
corn bread (cones)

Industrial

wall paper paste
floor wax
hand soap
dusting agents



Flour

Food

bakery products
masa flour
snack foods
baby foods
baking mixes
batters
desserts
pie fillings
gravies and sauces
salad dressings
frozen foods
meat extenders
non-meat extenders
thickening agents

Industrial

fermentation media
explosives
gypsum wallboard
paper products
briquetting
foundry binders
ore refining
drilling fluids
label adhesives
edge paste
pharmaceuticals

Hominy Feed

Feed

livestock
feed

Germ

Oil

Pharmaceutical /
Food
vitamin carriers
lecithin
cooking oil
margarine
mayonnaise
potatoe chips
salad dressings
sauces
shortenings
soups

Industrial

lecithin
soluble oils
insecticides
linoleum
printing inks
rubber substitutes
rust preventatives
soaps
tanning agents
textiles

Meal

livestock feed
amino acids
fur cleaner



Wet-milled Corn

Starch Products

Steep Water

Industrial / Feed

steep water (feed)
antibiotics
chemicals
pharmaceuticals
yeast culture

Gluten Feed

Feed

cattle feed



Gluten Meal

Feed

poultry feed

Germ

(Same uses as dry-milled germ)

Modified Starch

Food

baby foods
bakery products
chewing gums
retortable thickeners
puddings, custards
prepared deserts
salad dressings
baking mixes
pie, pastry fillings
gum candies
snack foods
sauces and gravies
condiments
icings and glazes
dehydrated foods
instant tea
instant breakfast foods
low-cal sweeteners
nougats
pan coatings

Industrial

adhesives
book-binding agents
pastes, glues
candles
ceramics
casting (mold) binders
dyes
printing inks
insecticides
insulation, fiber glass
labels
leather products
incendiary compounds
fireworks
ore separation compounds
poster paints
paper products
plastic molding
plywood, wall board
sandpaper
textiles
wallpaper, shade cloth

Food

baby foods
bakery products
baking powder
brewed beverages
chewing gums
chocolate drinks
puddings, custards
prepared deserts
snack foods
salad dressings
meat products
baking mixes
prepared mustards
prepared condiments
pie, pastry fillings
precooked, frozen meals
perpared soups
powdered sugar
canned vegetables
candies

Native Starch

Industrial

abrasive papers
adhesives
dry-cell batteries
composite binders
paperboard products
boiler compounds
bookbinding
briquettes
clay (ceramic) binders
chemical precursor
fermentation feedstock
detergents, cleaners
coatings
paper color carriers
paper products
textile color carriers
cord sizing, polishing
cork products
crayon, chalk binders
dispersion agents
dye component

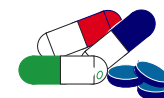
Food

fiberglass sizing
fireworks
powdered insecticides
insulating materials
lubricating agents
oilcloth
well-drilling mud
ore refining
paints
fillers and caulks
cleaning compounds
molded plastics
printing inks
colloid emulsions
textile finishing
ceiling tiles
rubber tires
wallboard
wallpaper
water treatment



Pharmaceutical / Cosmetic

antibiotic products
antibiotic production
aspirin
powdered cosmetics
liquid thickener
dietary formulations
soaps
disinfectants
surgical dressings



Sweeteners

Glucose

Food / Pharmaceutical

baby foods
medicinal syrups
bakery products, mixes
beverages
breakfast foods
sauces
prepared cereals
cheese spreads
chewing gum
coffee whiteners
cordials and liquers
desserts
prepared egg products
extracts and flavors
frostings and icings
fruit jams, butters
fruit juices, drinks
prepared soups, sauces
salad dressings
pickled products
frozen seafood
peanut butter
toppings

Industrial

adhesives
chemicals
dyes and inks
explosives
leather tanning
metal plating
paper products
plasticizers
shoe polish
ra'yon
textiles
theatrical makeup
tobacco products

Fructose

Food

bakery products
canned fruits
canned juices
condiments
confections
frozen desserts
fruit jams, preserves
soft drinks
wine prodcuts
yeast production

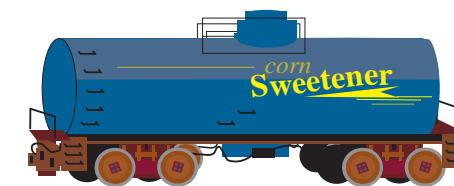
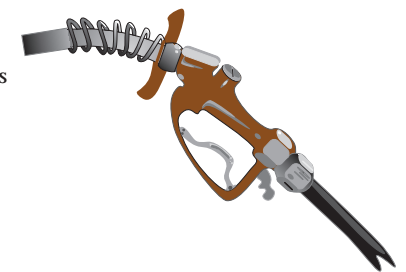
Fermentation

Food / Feed

alcoholic beverages
acidulants
flavor enhancers
soft drinks
amino acids (feed)

Industrial / Fuel

industrial alcohols
engine fuel
fuel octane enhancers
oxygenate in engine fuels
plastics
solvents



Center for Crops Utilization Research

Iowa State University, Ames, IA 50011