Corn

Whole Corn Products

Cob & Kernel

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

Industrial
decorative items
(pod & Indian corn)

Whole Kernel Products

Food
popcorn
snack food
corn nuts
posole
canned corn
soup mixes
canned hominy
frozen packaged

Feed
livestock feed
wild animal feed

Cob or Stover

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

Alkali Cooked

Food
tortilla flours
hominy
corn chips
tortilla chips
taco shells
sopapillas
atoles
posole
menudo
tostados

Dry Grind Ethanol

Fermentation

Industrial & Fuel
fuel ethanol
distillers dried grains
with solubles
oil for biodiesel

Fractionated Products

Dry-milled Corn

Grits & Cones

Food
breakfast cereals
fortified foods
pinole
snack foods
maize porridges
alkali cooked products
breads & bakery products
fermented beverages
unfermented beverages
pet foods
corn bread

Industrial
wallpaper paste
floor wax
hand soap
dusting agents

Flour

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

Industrial
fermentation media
explosives
gypsum wallboard
paper products
briquettes
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
potato chips
salad dressings
sauces
shortenings
soups

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

Meal

Industrial & Feed
livestock feed
amino acids
fur cleaner

Wet-milled Corn

Steepwater

Industrial & Feed
steepwater (feed)
antibiotics
chemicals
pharmaceuticals
yeast culture

Germ

Same uses as dry-milled germ

Gluten Feed

Feed
cattle feed

Gluten Meal

Feed
poultry feed
zein
production

Modified Starch

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

Industrial
adhesives
book-binding agents
candles
ceramics
casting (mold) binders
dyes
printing inks
insecticides
insulation & fiberglass
labels
leather products
incendiary compounds
fireworks
ore separation compounds
poster paints
paper products
plastic molding
plywood & wallboard
sandpaper
textiles
wallpaper
shade cloth

Native Starch

Food
baby foods
bakery products
baking powder
brewed beverages
chewing gum
chocolate drinks
puddings & custards
prepared desserts
snack foods
salad dressings
meat products
baking mixes
prepared condiments
pie & pastry fillings
precooked & frozen meals
prepared soups
powdered sugar
canned vegetables
candies

Industrial
abrasive papers
adhesives
dry cell batteries
composite binders
paperboard products
boiler compounds
bookbinding
briquettes
clay binders (ceramic)
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
fiberglass sizing
fireworks
powdered insecticides
insulating materials
lubricating agents
oilcloth
well drilling mud
ore refining
paints
fillers & 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

Pharmaceutical & Food
baby foods
medicinal syrups
bakery products & mixes
beverages
breakfast foods
prepared cereals
cheese spreads
chewing gum
coffee whiteners
cordials & liqueurs
desserts
prepared egg products
extracts & flavors
frostings & icings
fruit jams & butters
prepared soups & sauces
salad dressings
pickled products
frozen seafood
peanut butter

Industrial
adhesives
chemicals
dyes & inks
explosives
leather tanning
metal plating
paper products
plasticizers
shoe polish
rayon
textiles
theatrical makeup
tobacco products

Fructose

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

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
carpeting
textiles
food packaging

IOWA STATE UNIVERSITY
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