

Flowchart Showing the Uses of Corn, 2009

Corn

Whole Corn Products

Dry Grind Ethanol

Fractionated Products

Dry-milled Corn

Wet-milled Corn

Native Starch

Cob & Kernel

Whole Kernel Products

Cob or Stover

Alkali Cooked

Fermentation

Grits & Cones

Flour

Hominy Feed

Germ

Oil

Meal

Steepwater

Germ

Gluten Feed

Gluten Meal

Modified Starch

Sweeteners

Glucose

Fructose

Fermentation

Food

baby corn

pickled baby corn

boiled sweet corn

canned corn

frozen packaged

Industrial
Decorative items
(pod & Indian corn)

Food

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

Feed

livestock feed
wild animal feed

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

Food

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

Industrial & Fuel

fuel ethanol
distillers dried grains
with solubles
oil for biodiesel

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

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

Feed

livestock feed

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

Industrial & Feed

livestock feed
amino acids
fur cleaner

Industrial & Feed

steepwater (feed)
antibiotics
chemicals
pharmaceuticals
yeast culture

Same uses as dry-milled germ

Feed

cattle feed

Feed

poultry feed

zein

production

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

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
fiberglass sizing
adhesives
fireworks
dry cell batteries
powdered insecticide
composite binders
insulating materials
paperboard products
lubricating agents
boiler compounds

oilcloth
bookbinding well
drilling mud
briquettes
ore refining
clay binders (ceramic)
paints
chemical precursor
fillers & caulks
fermentation feedstock
cleaning compounds
detergents & cleaners
molded plastics
coatings
printing inks
paper color carriers
colloid emulsions
paper products
textile finishing
textile color carriers
ceiling tiles
cord sizing & polishing
rubber tires
cork products
wallboard
crayon & chalk binders
wallpaper
dispersion agents
water treatment
dye component

Pharmaceutical & Cosmetic

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

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

Industrial

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

Food

bakery products
canned fruits
canned juices
condiments
confections
frozen desserts
soft drinks
wine products
yeast production

fruit jams & preserves

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