



**Non-GM
starches and
sweeteners**

U.S. sourcing ensures a reliable non-GM* supply

Growing consumer interest in food and beverage products made from ingredients sourced from conventionally bred (non-GM) crops is creating an array of opportunities and challenges for packaged goods manufacturers. Reliable supply is one of those challenges.

Cargill has extensive experience helping food manufacturers source non-GM crops and ingredients produced from non-GM crops. While many options exist for importing non-GM ingredients, Cargill's best-in-class supply chain expertise ensures a reliable supply. Cargill is also the leader in scalable domestic-sourced ingredients reliably delivered from the Midwest. This allows manufacturers to enjoy a completely seamless drop-in solution for non-GM conversions.

Cargill has established a product portfolio that can supply starches and sweeteners originated from conventional (non-GM) sources using an Identity-Preservation supply chain program. With established production lines, product segregation and documentation systems, Cargill's externally audited processes can be considered an industry benchmark system for the production of conventional (non-GM) ingredients.

Helping food companies address growing consumer interest for non-GM* products

Cargill has the capabilities to help food manufacturers navigate the dynamic consumer, regulatory, legal, sustainability and corporate and product brand-related issues that have made GM one of the most complex issues facing the food industry today.

Non-GM
starches and
sweeteners

Cargill starches and sweeteners processed from identity-preserved, non-GM crops¹

Sweeteners	
Ingredient	Origin
Cane Sugar	U.S. – Gulf Coast
Corn Syrup (Glucose)	U.S. – Midwest, European Union
Dextrose	European Union
Erythritol	U.S. – Midwest
Fructose Syrup	European Union
Polyols	European Union, Asia
Stevia	Asia
Tapioca Syrup	Asia

Starches	
Ingredient	Origin
Cold Swelling Starches	U.S. – Midwest, European Union
Emulsifying Starches	U.S. – Midwest, European Union
Maltodextrin	U.S. – Midwest, European Union
Native Starches	U.S. – Midwest, European Union
Pre-Gelatinized Starches	U.S. – Midwest, European Union
Specialty Starches	U.S. – Midwest, European Union
Spray-dried Glucose	U.S. – Midwest, European Union
Stabilized Starches	U.S. – Midwest, European Union
Thinned Starches	U.S. – Midwest, European Union

Cargill can provide product specific sourcing, handling and processing information so that customers can determine whether a specific Cargill product meets country-specific and customer-specific requirements for non-GMO labeling.

* Non-GM – there is no worldwide definition of the term “non-GM.” The definition of “non-GM” varies widely from country to country. Some countries have no regulatory definition of “non-GM” and some countries consider a product to be “non-GM” if it is exempt from mandatory GM-labeling in that country. Requirements for mandatory GM labeling also vary widely from country to country. Various private standards groups and certifying agencies have also developed their own definitions of and standards for non-GM. As a general matter, Cargill considers a “non-GM” ingredient to be an ingredient that is produced from crops or other raw materials that are not genetically modified via biotechnology and are “Identity Preserved” throughout the supply chain from crop cultivation to product delivery.

¹ In some cases there are no commercial varieties of the raw agricultural commodities used to produce the products shown on the charts that have been genetically modified via biotechnology. In other cases, Cargill uses special identity preservation systems to manage the risk of cross-contamination between raw agricultural commodities that haven’t been genetically modified via biotechnology with those that have.

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