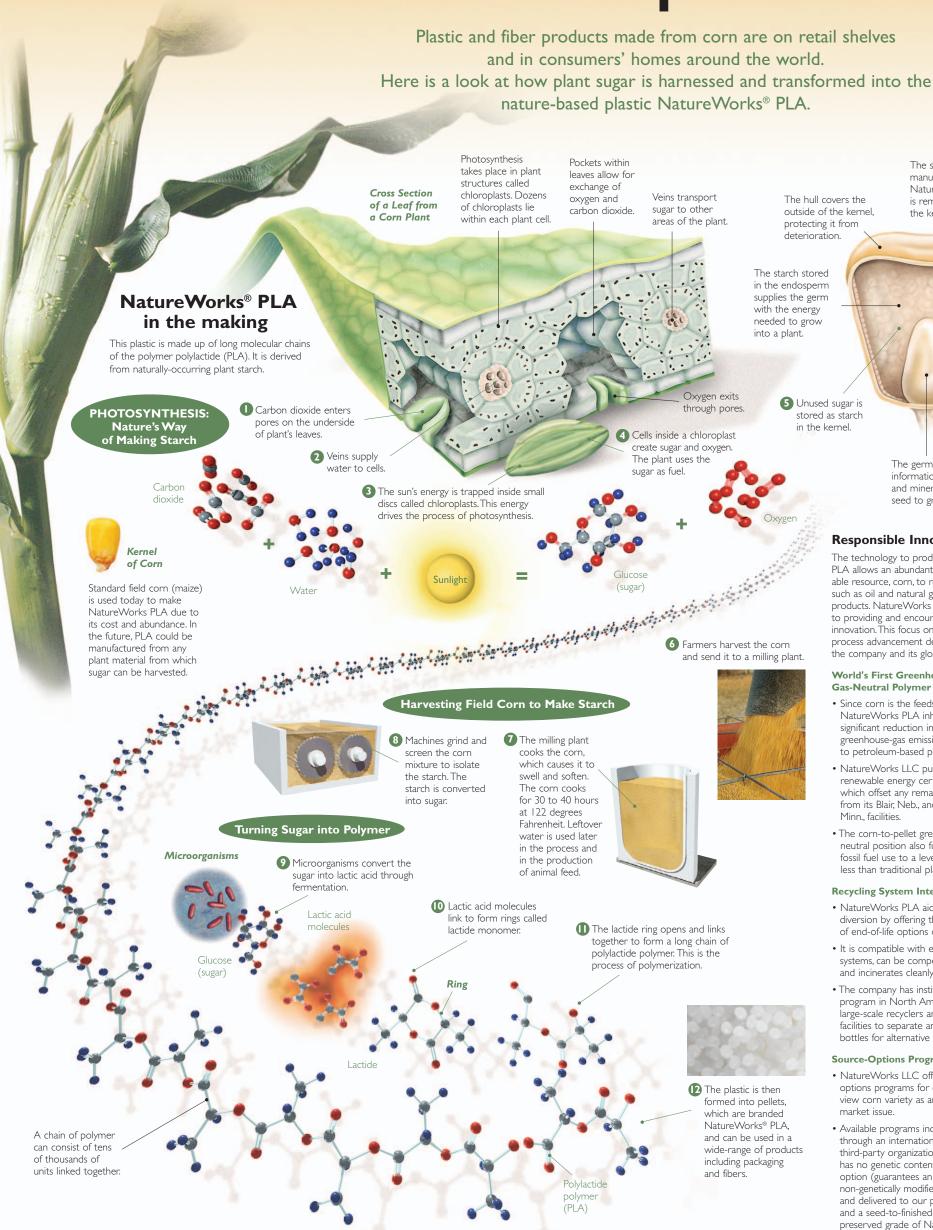
From corn to plastics



Fresh Packaging from Nature

NatureWorks PLA is a nature-based food packaging resin made 100 percent from field corn, making it a natural fit for fresh, wholesome foods and beverages.

The combination of performance and "responsible" attributes create a natural appeal for NatureWorks PLA in food packaging, bottles,

disposable serviceware, labels, specialty cards and consumer goods packaging.

The First Man-Made Fiber from 100% Annually **Renewable Resources**

NatureWorks PLA can also be extruded into a synthetic fiber branded as Ingeo® that is ideal for applications such as apparel, rugs and carpet, home and office furnishings, and nonwovens, such as baby wipes. Ingeo fiber offers the performance of high-end synthetic materials, with the comfort of knowing it's 100% derived from a natural, annually renewable resource.



About NatureWorks LLC

NatureWorks LLC is dedicated to meeting the world's needs today without compromising the earth's ability to meet the needs of tomorrow. NatureWorks LLC is the first company to offer a family of commercially available polymers derived from 100-percent annually renewable resources, such as corn, with cost and performance that compete with petroleum-based packaging materials and fibers. The company applies its unique technology to the processing of natural plant sugars to create a proprietary polylactide polymer, which is marketed under the NatureWorks® PLA and Ingeo® fibers brand names.



NatureWorks LLC's manufacturing plant is located in Blair, Neb., USA. It has a 300 million pound (140,000 metric ton) capacity.

Responsible Innovation

The technology to produce NatureWorks PLA allows an abundant, annually renewable resource, corn, to replace finite ones. such as oil and natural gas, in everyday products. NatureWorks LLC is committed to providing and encouraging responsible innovation. This focus on product and process advancement delivers value for the company and its global customer base

The starch for the

manufacturing of

is removed from

the kernels.

NatureWorks PLA

Cross Section

of a Kernel

of Corn

The germ contains the genetic

information, vitamins, proteins and minerals needed for the

seed to grow into a plant.

World's First Greenhouse-Gas-Neutral Polymer

- Since corn is the feedstock, NatureWorks PLA inherently offers a significant reduction in energy use and greenhouse-gas emissions as compared to petroleum-based plastics.
- NatureWorks LLC purchases U.S.-based renewable energy certificates (RECs) which offset any remaining emissions from its Blair, Neb., and Minnetonka, Minn., facilities.
- The corn-to-pellet greenhouse-gasneutral position also further reduces fossil fuel use to a level more than 65% less than traditional plastics, such as PET.

Recycling System Integration

- NatureWorks PLA aids in landfill diversion by offering the widest array of end-of-life options of any plastic.
- · It is compatible with existing recycling systems, can be composted, landfilled and incinerates cleanly.
- The company has instituted a "buy-back" program in North America to encourage large-scale recyclers and municipal facilities to separate and bale PLA bottles for alternative uses and disposal

Source-Options Programs

- NatureWorks LLC offers three sourceoptions programs for customers wi view corn variety as an important
- Available programs include certification, through an internationally recognized third-party organization, that the polymer has no genetic content; a source offset option (guarantees an equal amount of non-genetically modified corn is purchased and delivered to our process facility), and a seed-to-finished-product identitypreserved grade of NatureWorks PLA.
- By allowing customers to select the option that best fits their specific requirements and desired level of market impact, these programs make it even easier for retailers and brand owners to adopt NatureWorks PLA.

For more information about NatureWorks and its brands, please visit www.natureworksllc.com.

