

JOIN THE  
**BIOBASED  
PLASTICS  
REVOLUTION**

WITH COLOR AND  
ADDITIVE PACKAGES  
FROM PCCA



**PRIMEX**   
COLOR, COLORING & ADDITIVES  
A subsidiary of Primex Plastics Corporation



# WHY USE BIOBASED COLORS?

We've all heard about overcrowded landfills, plastics polluting our oceans and consumer demands for more eco-friendly products. In fact, many OEMs and retailers now require that plastics manufacturers reduce the content of virgin petrochemicals in components and end products.

Bioplastics are derived from renewable biological resources such as corn, vegetable oils, soybeans, wood, grasses, or sugarcane. But no matter what process and what resins you use to achieve your "green" goals, Primex Color, Compounding & Additives has a solution to help you.

## END OF LIFE: COMPOSTABLE VS. BIODEGRADABLE

"Biodegradable" broadly means that an object can be biologically broken down, while "compostable" typically specifies that such a process will result in compost, or humus. Compostable generally means "capable of undergoing biological decomposition in a compost site such that the material is not visually distinguishable and breaks down into carbon dioxide, water, inorganic compounds." Biodegradability is highly dependent on soil, moisture and temperature conditions.



## THE MOST COMMON BIOBASED MATERIALS USED IN PLASTIC PRODUCTION ARE:

### PLA (polylactic acid)

a polyester derived from renewable biomass, typically from fermented plant starch such as from corn, cassava, sugarcane or sugar beet pulp

### PBS (polybutylene succinate)

a biodegradable aliphatic polyester with properties that are comparable to polypropylene

### PHA (polyhydroxyalkanoate)

biodegradable polyesters produced in nature by numerous microorganisms, including through bacterial fermentation of sugar or lipids

**PBAT (polybutylene adipate terephthalate)** a biodegradable random copolymer, specifically a copolyester of adipic acid

**PCCA can help you introduce these resins into your process, with our 100 percent compatible precolor, color and additive masterbatches.**

No matter what your goals, PCCA is here to help you engineer the perfect biobased and sustainable solutions. Call us today to discuss how our expertise and experience can help you reach your goals.

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