

## Sustainable Greenhouse Containers for Your Unique Growing Needs

# BioPax™ - Fact Sheet



# BioPax™

- Designed for reuse and responsible disposal
- Will break down over time with NO microplastics left behind
- Non-GMO and non-toxic
- No harmful PFAS nor heavy metals
- Certified biobased material - not petroleum
- Great for automation

### What is this product made of?

Sustainably-sourced wood pulp, compounded with modifiers and additives.

### Is this product certified?

Sure is! BioPax™ containers are part of the USDA BioPreferred® Program. The USDA Certified Biobased Product label is designed to provide useful information to consumers about the biobased content of the product. The label assures a consumer that the product contains a USDA-verified amount of renewable biological ingredients.

### So, is this plastic?

BioPax™ is a resin code #7 (other) and is considered a bioplastic, which is unlike traditional plastic, as it is not derived from petroleum.

### Wait - what's a bioplastic?

Appearing like traditional petro-plastics, bioplastics are resin-based and produced from renewable sources, like agricultural byproducts and substances. It's important to note that not all resins result in traditional petroleum-based plastic.

### What do I do with this pot when I am done?

Strong enough to reuse, BioPax™ plant pots can be disposed with other waste materials.

### So, you're saying BioPax™ is biodegradable?

Current ASTM standards (ASTM6400) deem products as "biodegradable" if they break down in less than one year.

Due to its wall thickness, the rate of degradation exceeds the one-year threshold, however, current testing/data indicates the product will degrade over an estimated three to five years. The rate could depend on environmental conditions and article shape and thickness; variation of resin/material blends may impact the break down rate as well.

### But what happens when I throw away BioPax™ with my other waste?

91% of plastics separated for recycling don't get recycled due to contamination. This is atop the current reported recycling rate of 8% of all plastics generated.

BioPax™ aims to address current behaviors and breaks down naturally due to consumption by microorganisms. The best part - BioPax™ DOES NOT leave behind any microplastics upon biodegradation.

For container specifications,  
visit [hc-companies.com/biopax](https://hc-companies.com/biopax)



3.00 inch



4.50 inch

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### Are custom sizes/colors/branding available?

Not at this time, however, for custom requests please contact your HC representative.

### What colors/sizes are offered?

BioPax™ is available in 3.00" and 4.50" rounds and in ECOGREEN.

### How do you get the ECOGREEN color?

Unlike many colorants that are oil-based, our color is derived from a bio-based color concentrate.

### Why does the color appear to be marbled?

As a result of the production process, the color concentrate and wood-based material create a unique swirling effect, ensuring every product is one-of-a-kind.

### Can I get samples?

Sure, please request samples through your sales representative.

### Can I do a trial?

Sure, please coordinate a trial through your HC representative.

### So, is there a price difference vs. my other plastic pots?

Driven by the cost of materials, there is a price difference compared to traditional plastic products. This is consistent with any other plastic alternatives on the market.

### Am I expected to absorb any price difference?

Absolutely not – in fact, over 80% of end consumers expect (and are willing to) pay more for products touted as sustainable. Be sure to use BioPax™ as an opportunity to leverage increased margins.

## HC's 4 Environmental Themes



Biodiversity



Water



Waste



Educate & Engage

*We believe that sustainability is important for setting ourselves and our customers up to grow better and improve our world by being stewards of not only the earth but also, its citizens, and of the products we develop. By designing more environmentally safe products in a way that makes them accessible and affordable to more people it benefits our economy by normalizing those products and creating demand in the market.*

**Biodiversity:** Ensuring appropriate measures are considered ranging from design, usage, after-use, and beyond. We are committed to doing our part in maintaining and encouraging the stability and integrity of our ecosystem.

**Water:** From water use optimization to closed-loop water processing within our operations, we recognize that water is among the most vital components to our future.

**Waste:** By incorporating certified recycled and reprocessed content into our products, we're committed to diverting waste and designing products for additional lifecycles.

**Educate & Engage:** We're committed to sharing our story and explaining why our philosophy is so important. Additionally, it is our responsibility to communicate how our products are used and disposed of so everyone can make more informed decisions with comfort and ease.

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