The team at Grow Bioplastics believes that *There's Wonder in Waste*. They are developing a platform of naturally degradable and compostable plastics made from lignin, a waste product of the paper and biofuel industry, for applications in agriculture, food service packaging, and beyond. They do not only provide solutions for private gardeners, but also for farmers:

TerraFilm biodegradable mulch films will be perfect for helping home gardeners grow more fruits, vegetables, and flowers by maintaining soil moisture content, regulating soil temperature, and preventing the growth of weeds. TerraFilm products are made from a natural waste product from the paper and pulp industry, giving our product the ability to degrade into the soil.

The TerraPotta line of products will use the same biodegradable plastic material as TerraFilm. Instead of throwing away plastic trays, flats, and pots after each growing season, TerraPotta products can be planted directly in the soil where they will naturally degrade. In addition, you will never hurt your plants by pulling them out of a plastic pot and harming their crucial root structures.

The solution to help farmers maintains higher yields and improves the quality of their soils is TerraFilm Pro. This product will use the same biodegradable plastic materials as TerraFilm and TerraPotta products, but are developed to satisfy the needs of large farming operations. The TerraFilm Pro product line will be offered in various grades that will degrade in 6 to 12 months, allowing farmers to grow multiple times a year.

www.growbioplastics.co

The International Sustainable Chemistry Collaborative Center (ISC_3) is a new globally acting collaboration center, that connects experts form industry and science with stakeholders from civil society and the public sector to enable innovation on all levels of chemical production and use. Acting as an innovation and dialogue platform, a think tank and an education hub the ISC_3 supports the global breakthrough of Sustainable Chemistry.

At ACHEMA, the ISC_3 showcases innovations in Sustainable Chemistry in cooperation with Think Beyond Plastic™, an innovation accelerator that advances commercialization of research and innovation for circular materials, circular design, green chemistry and innovative packaging design. Think Beyond Plastic™ has been advancing a global, multi-disciplinary effort to accelerate the pace of innovation and to support commercialization of bio-benign materials, associated manufacturing and innovative packaging design utilizing these new materials. Together with Think Beyond Plastic™ the ISC_3 presents five examples of Sustainable Chemistry innovation for the new plastics economy.

www.isc3.org

Cooperation made possible by our partner
Think Beyond Plastic™: