

## **THE OMNIDEGRADABLE ® SOLUTION**

TekPak Solutions investigated many early offerings in the “Sustainable” market, PLA, Cello and Oxo-Bio. We found serious flaws and Green-washing in all of them. They all had timelines where they broke down and cracked or flaked on the store shelves. Some added non-Bio films to help keep them from falling apart too soon. So we searched for newer options.

We found one that showed great promise and had all the lab proof to back it up. The five year study tested for side effects in ; Soil, Delicate Plants and Insects. It found no harm even at high doses 50 times normal.

Our films are shelf stable for as long as you like. They only react with microbes in Soil or Water, Forests, Rivers, Lakes and Oceans and Landfills. The timeframe to degrade is dependent on many factors, such as ; Gauge, Density and Type of Plastic as well as Microbial Activity of the site where it was disposed of. A swamp in South Florida will be much faster than a Lake in Alaska. A 0.5 mil. Low Density Polyethylene film will degrade much faster than a 20 mil. High Density Polyethylene Shampoo bottle.

The organic additive reacts with microbes to create an enzyme that can break the long-chain molecules in plastic into pieces small enough for the microbes to consume completely, thereby reverting to their original elements. They leave behind only Water, CO 2, and a small amount of Organic biomass, all beneficial to plant growth.

Our products do not depend on water, heat, sunlight or oxygen to degrade. They only rely on ever- present microbes in soil or water. This is why we call it **Omnidegradable ®**.

All proven by Independent Lab Tests.