



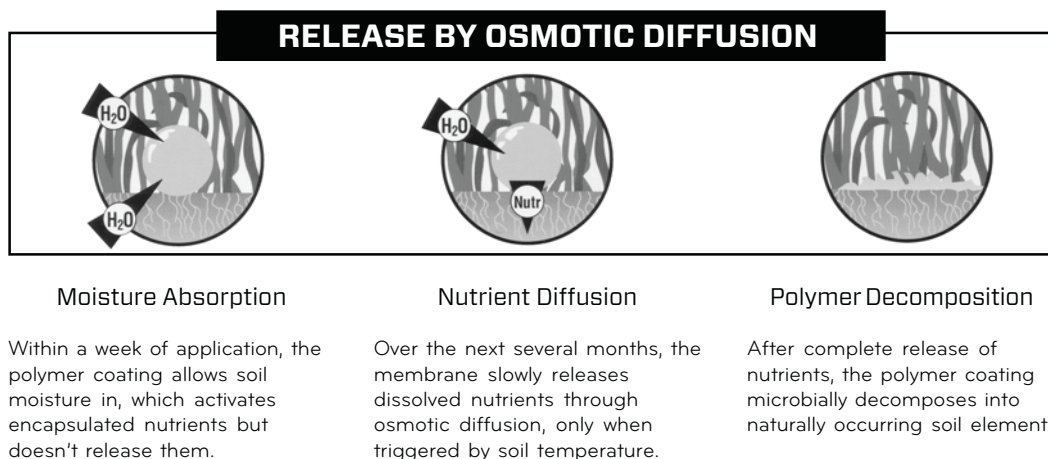
# Controlled-Release Technology Choices

## WHAT IS CONTROLLED-RELEASE?

Polymer Coated Fertilizers (PCF) are advanced, controlled release fertilizers specifically designed to meet the precise feeding requirements of turfgrasses and plants. These technologies feature an ultra-thin polymer coating to provide complete and precise release of nutrients gradually over time. The products have an extremely tough, durable coating to withstand fracturing, even during severe handling, blending or application operations. No premature release due to fractured coatings and no hot water insolubles remaining unreleased. Just controlled, complete release when needed.

## HOW DOES GAL-XE<sup>ONE</sup>®, XCOTE® AND UMAXX®/UFLEXX® WORK?

PCF's release nutrients by osmotic diffusion - the constant, gradual diffusion of nutrients through the polymer coating. The rate of osmotic diffusion is controlled by the thickness of applied coating. Osmotic diffusion rates increase as soil temperatures increase and decrease. The osmotic release mechanism is essentially unaffected by varying amounts of soil moisture, microbes or pH levels, assuring a more predictable release pattern.



## WHAT IS X-COTE?

Unique Triple Coating Process - With all coated fertilizers, durability is important. With the new X-Cote technology, durability takes on a whole new meaning. X-Cote technology employs a unique three-tier coating process that assures more valuable nitrogen is available over time - not over night.

**GAL-Xe<sup>ONE</sup>**

**X-COTE™**