



PATENTED ECO-FERTILIZER FROM CK LIFE SCIENCES

NutriSmart® – General

- **NutriSmart®** is a patented environmentally friendly microbial fertilizer & soil amendment developed by CK Life Sciences, a world-wide leader of eco-responsible agricultural practices.
- **NutriSmart®** components are naturally occurring substances; free of any chemical constituents.
- **NutriSmart®** provides humate, humic acids, patented strains of microbes, and microbial activators to the soil.
- **NutriSmart®** is acceptable for bio-fertilizer registration in most countries, including the United States, even meeting the more stringent requirements of States such as California.

NutriSmart® – Spheres

- **NutriSmart®** Spheres (round granules) are primarily composed of a durable pulverized and pan-granulated humate capable of being mixed in almost any dry fertilizer blend without reaction or harm to the active ingredients for long periods of time.
- **NutriSmart®** Spheres are tiny Eco-stations™ housing and protecting patented strains of microbes, proprietary microbial activators, and a limited microbial food source, starch.
- **NutriSmart®** Spheres are rigid, durable, appropriately-sized and practically dust-free for ease of blending and applying.

NutriSmart® – Microbes and Activators

- **NutriSmart®** patented microbes are housed and protected in a very stable solid humate sphere containing proprietary microbial activators and a food source to kick-start the enzymatic processes.
- **NutriSmart®** microbes and activators greatly stimulate the growth of the existing beneficial soil microbes in addition to their own vast proliferation once added to the soil.



NutriSmart® – Microbes and Activators

- **NutriSmart®** microbes with their proteins, enzymes, and metabolites enhance and improve soil fertility, bioactivity and subsequent nutrient use efficiency.
- **NutriSmart®** microbes are scientifically proven for: phosphate solubilization, potassium mineral decomposition, nitrogen fixation, organic degradation, soil bioactivity enhancement and plant growth promotion.
- **NutriSmart®** microbes are concentrated at 1×10^5 (100,000) colony Forming Units (CFU) per gram. This translates to over forty-five million cfu's per pound and over 2-1/4 billion per 50-pound bag.

NutriSmart® – Benefits

- Documented to improve the Nutrient Use Efficiency (NUE) of conventional chemical and organic fertilizers
- Documented to Solubilize Soil Minerals releasing P & K, Silicon and other trace minerals
- Proven to fix elemental Nitrogen (N_2) into Ammonium (NH_4)
- Proven to Retain soluble fertilizers in the soil and reduce leaching
- Proven to Stimulate the proliferation of desirable soil organisms
- Proven to Increase root growth and plant uptake of nutrients
- Blends to create an eco-friendly, value-added fertilizer product mixed at rates up to 50% with conventional fertilizers
- Provides humic substances to the soil in addition to its inherent microbial benefits
- Maintains a high efficacy rating in the soil for up to five months