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PATHWAY BIOLOGIC, LLC

Plant City, FL

Pathway Biologic, LLC of Plant City, FL the pioneer and leader in the applied science of Poly Microbial Technology and Formulations has recently partnered with Nachurs Alpine Solutions, to announce a ground-breaking new advancement in fertility, the Rhyzo-Link fertilizer.

Rhyzo-Link™ is unique to the marketplace. It is a revolutionary combination of premium fertilizer with Pathway's polymicrobial PowerBlend™, a blend of 8 unique strains of Plant Growth Promoting Rhizobacteria (PGPR). This combination immediately goes to work in-furrow with the seed, or on the leaf surface to increase nutrient availability and enhance nutrient uptake. Rhyzo-Link combination stimulates plant and root growth and has the natural ability to increase overall plant health, as well as activate plant defense mechanisms. Initially, two formulations are being introduced. Each is a premium fertilizer that combines the highest quality ingredients including orthophosphate, Bio-K technology, essential micronutrients and PowerBlend™ technology.

Because of the multi-dimensional benefits they provide, PGPR strains are being integrated by all of the major agricultural product providers. In general, microbial or biologic fertilizers have lacked product consistency. Glen Crowe, National Sales Manager for Pathway tells us "The term biologic is like saying fertilizer, it doesn't define anything". Rhyzo-Link however, is different. He goes on to say, "Other products are derived from compost teas, manure teas; and/or formulated with inconsistent, incompatible biological groups. Pathway products are consistent and compatible because the strains are derived from pure cultures and are formulated specifically to enhance primary and secondary nutrients. Liquid fertilizer provides an excellent delivery system for the PGPR; typically farmers can expect to increase crop yield and quality by 5 to 20%".

While all soils have billions of bacteria present, the rhizosphere is the very narrow soil region where interactions between plants and the soil ecosystem take place. It is in this region where plants deposit 20-30% of the carbon they fix during photosynthesis as root exudates, which in turn are consumed as fuel by PowerBlend™. Tommy Roach, Product Development Specialist for Nachurs explains how the rhizosphere and PowerBlend work, "Plants alter the composition of exudates based upon environment or stresses to encourage or discourage bacterial growth within the rhizosphere, thus promoting the growth and development of species beneficial to the plant." The PGPR we are placing with the fertilizer are specific to improving the bacterial composition of the rhizosphere. When the components of soil (organic matter, minerals, air, water, and living organisms) interact effectively, soil health and increased crop productivity are achieved. PowerBlend™ is formulated to enhance liquid primary & secondary nutrient inputs. Enhancing fertilizer with PowerBlend™ creates a homogeneous bio-charged fertility input that maximizes the efficiency & efficacy of nutrient uptake & utilization which helps crops respond to multiple stresses and improves the environment in the seed furrow.

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