FREE PHOS 24

CULTIVACE
GROWTH BEGINS HERE

CultivAce Free pHOS 24 is a unique formulation of liquid fertilizer that is 100 percent orthophosphate. It is formulated to maximize the efficiency of phosphate that is soil applied. The formulation includes ingredients that are made from products such as plant derived carbon molecules, fulvic acids, monoscaccharides, discaccharides, and highly refined carbon containing products. These products range in size from chains as small as two or three molecules up to chains that are many thousand molecules in length. This wide range of ingredients greatly improves the effectiveness of the phosphate availability to the plants and prevents the phosphate from being tied up by calcium, iron, or aluminum in the soil. This has been demonstrated through many field trials.

CultivAce Free pHOS 24 also has the flexiblity to be used as a product that can be applied to the foliage because all of the phosphate is in the orthophosphate form.

May 29th, 2015
Spring Wheat

POWERED BY ORGANOMETALLIC TECHNOLOGY

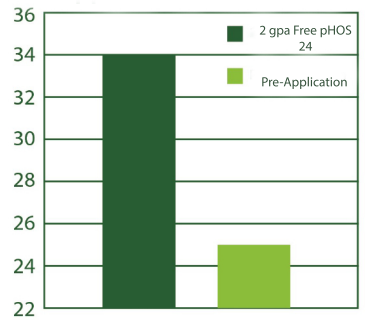
Snap beans were planted on 7 July, 2014. Grower used 30 gallons per acre of 10-34-0 (120# P205). Urea and water were added to 3 gallons of Free pHOS 24 to bring the total nitrogen to the same as the 10-34-0 and total liquid up to 30 gallons. It was side dressed on the beans in the center of the field.

Tissue samples were taken from both plots 45 days after planting and sent to a lab for analysis. The standard 10-34-0 sample had 0.51% phosphorous and the Free pHOS 24 sample had 0.59%, an increase of 13.5% over the 10-34-0 . 120 pounds applied phosphate vs 6.6 pounds applied and more phosphate in the plant!

On 8 August, 2014 2 gallons per acre of Free pHOS 24 was surface applied in a shade tree nursery. Prior to the application, Soil samples were gathered at 0-2" and 2" to 6" depths. After the application, the field was irrigated. On 6 September, soil samples were again taken at 0-2" and 2" to 6" depths and sent to the lab. At the 0-2" level the P in the soil went from 25 ppm to 34 ppm, over 25% increase!

AT the 2"-6" level, there was no difference, which is of no suprise due to the short time frame of the evaluation.

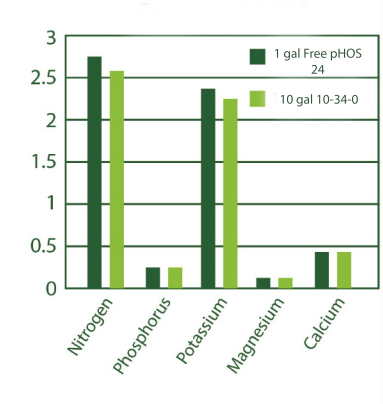
Soil Applied Free pHOS 24



P Level in Soil 30 Days After Application

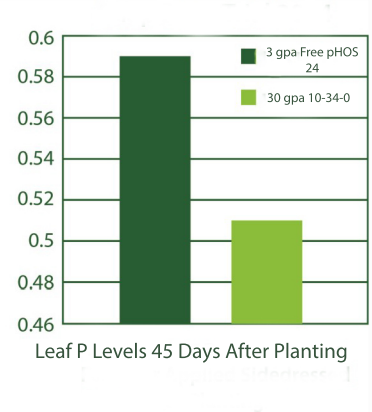
Free pHOS 24 Applied in a Broadcast Application 2014

Corn Trial 2014



Tissue Results R1 Stage

Snap Bean Trial 2014



Leaf P Levels 45 Days After Planting

Fertilizer Applied Sidedressed At Planting

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