BioPrime Agri Industries Inc

Exclusive Representatives and Distributor for Nano Ag Fertilizer

PHILIPPINES

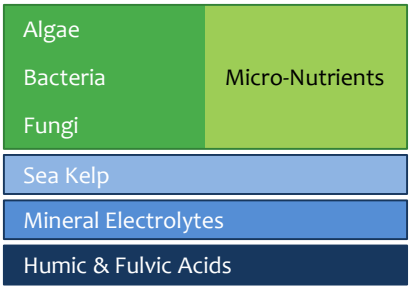
Nano Ag Impact

- Organic Fertilizer and Soil Conditioner
- Increases soil nutrient uptake of plant
- Directly balances soil pH
- Improves seed germination rates
- Repels pests and deters insects
- Creates rapid root growth
- Improves soil water retention
- Reduces chemical fertilizer use
- Causes nitrogen fixation in soils
- Produces increased crop yields

Nano Ag Composition

Total Nitrogen (N)	1%
Available Phosphate (P205)	0.1%
Soluble Potash (K)	5.5%
Other Ingredients	93.4%
	100%

Major Other Ingredients: 93.4%



Target Crops (Philippines)

Type	Ha. (millions)
Rice	4.8
Corn	2.5
Sugarcane	0.46
Banana	0.44
Cassava	0.23
Rubber	0.22
Coffee	0.14
Pineapple	0.066
Tobacco	0.034
Abaca	0.043
Vegetables	n/a

Nano Ag Science

Nano Ag is an organic, complex formulation of micronutrients, enzymes, and micro minerals. It contains vitamin precursors of plant origin in a highly concentrated mass which collectively breakdown carbon sources as food and release complex nutrients as waste.

Nano Ag constitutes a complete system of microorganism stimulation, containing inducer molecules to accelerate the activity and rate of replication of billions of microorganisms, including beneficial bacteria, mycorrhizal fungi and the blue grass strain of algae. It contains glycosides, which provide the energy required to sustain accelerated microbial activity and help plants resist disease, along with sea kelp which is full of plant hormones that provide vitamins and chelated trace elements for plant growth.

In summary, Nano Ag is a unique, organic fertilizer and soil conditioner that brings the soil back to life as it rejuvenates the natural nutrients that are essential for healthy plants and healthy soil and allows the plants to reach their fullest potential.

Microorganisms and Soil Rebuilding

Microorganisms granulate the soil and thus aerate it to facilitate the infusion of water and air and result in stronger and deeper plant rooting systems. The depth of the aerated top soil determines on the quantity and quality of the local microorganisms and the life compounds they make available to plants.

Soil microorganisms stimulate the rebuilding of the soil and often do so at a more rapid rate than many other known methods such as crop rotation, mulching, and other soil treatments. With the proper balance of soil microorganisms, the following influences can be observed:

1. Faster and more thorough decomposition of crop residue and other organic materials.
2. Increased crop quality and yield. Faster germination rates and fruiting, improved disease resistance and pest repellent.
3. Greater response in soils previously treated with fertilizers and then treated with enzymes, indicating better utilization of many soil compounds

Cost vs Benefit for Farmers

25 grams of Nano Ag is proven sufficient to support 1 hectare of food crops such as rice or corn, with a seed, soil and foliar treatment for optimal results. Transportation and hauling costs are eliminated. Simply activate, dilute and then soak the seeds and spray for soil and foliar treatment.

Test trials have shown that in nearly 90% of the cases, the use of synthetic fertilizers can be reduced by up to 50% and in some cases, completely. The use of pesticides and insecticides is reduced due to a reduction of predatory pests and stronger resistant to disease. Up to a 20% reduction in water/irrigation costs have resulted from improved soil and root water retention. Nutrient quality is also shown to improve in many cases.

Hybrid rice 70 DAP with Nano Ag treatment

Nano Ag Case Studies

Corn
Seed treatment increased yield 11-20%
32% improved use of Nitrogen
30% reduction in chemical fertilizers

Rice (Inbred)
Increased seed germination rate
Increased yield from 2 to 6.5 tons / ha
Insects and pests repelled entirely
50% reduction in synthetic fertilizers

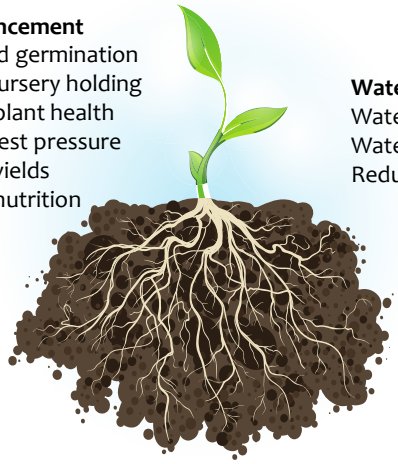
Sugarcane
14.5% increase in yield
28% increase in Brix
40% reduced synthetic fertilizer

Coffee
100% increase in yield
Improved quality of coffee
Cure and prevention of rust disease

Nano Technology in Agriculture

Nano technology applies precision agriculture and increased nutrient use efficiency. Nano sized particles are delivered at a cellular level which is more effective than conventional delivery.

Crop Enhancement
Accelerated germination
Reduced nursery holding
Improved plant health
Reduced pest pressure
Increased yields
Improved nutrition



Water benefits
Water purification
Water quality remediation
Reduced irrigation demand

Soil benefits
Reduced fertilizer
Improved water retention
Balanced pH
Improved soil health
Improved vermi activity

Nano Ag at Work

The selected strains of enzymes combined with fulvic acids, glycosides, and Kelp powder, are designed to activate and sustain beneficial microbial life in the soil, creating pure topsoil, and an ideal growing environment. It functions at the cellular level in all living plants, promoting healthy cell construction and accelerating cell division. It unlocks the full potential of cellular activity, enabling plants to resist disease and infestation, while reaching their maximum potential in production and quality.

The combination of electrolyte, bio-stimulant, inducer molecules and fulvic acid create a natural PH balance for many plant life processes.

Increased Productivity and Farming Efficiency

The role of Nano Ag in increasing crop productivity results from a more complete utilization by the plants of nutrients such as nitrogen, phosphorus, and potassium. In addition, the solubility, mobility, migration, recycling, and accumulation of trace metals through the chelation processes of Humic compounds play a very meaningful role in the mineral nutrition of soil grown plants and their growth rates. The participation of these Humic substances in plant respiration occurs, which increase the oxygen absorption by plant tissue. Increased oxygen absorption is ecologically significant because it enables plants to withstand better the adverse effects of higher and lower temperature exposures.

Nano-Ag activates the functions of enzymes, and intensifies the metabolism of proteins RNA, and DNA, unlocking the full potential of the cells in plants and microorganisms. It is a complete and functional microbial stimulant that is totally natural, remarkably efficient, and effectively inexpensive.

Environmental Benefits

- Bacteria are the agents that stimulate microorganism to provide approximately 90% of the activity in converting inert nitrogen into inorganic useful compounds, along with transforming soil ammonia to nitrates and nitrites that are absorbed by the plants root system. The result is an organic replacement from the use of synthetic fertilizers.
- The use of chemical Pesticides and Insecticides are significantly reduced and in some cases completely eliminated.
- Water retention in the soil and plant roots have reduced the requirements for water by as much as 20%.
- Soil remediation of toxicity and metals, treatment of waste water and decomposition of waste materials in turn generate layers of topsoil and promote macro-organisms (earthworms, etc.) to move and bring life to the soil.

Intellectual Property & Distribution Rights

- Exclusive licensing rights for sales and distribution of Nano Ag in the Philippines and through the ASEAN region.
- Proven data from both scientific and cultural trials in the Philippines, USA, South America and Africa.
- 20 years' research and development performed by Dr. William Jackson, PhD, the inventor of Nano Ag.
- OMRI-listed (USA) as organic fertilizer, and FPA approved in the Philippines for sale and distribution.
- Scientific advisory team of qualifies scientists with experience in all aspects of plant science.

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