

BioWash

By Dr. Leon Hesser

BioWash is a remarkable new plant tonic that increases crop production safely while eliminating many harmful pests and fungi. The product enhances plant root growth and nourishment in young plants by stimulating their deep and rapid penetration of soil. *BioWash*, which is non-toxic and non-hazardous to humans, animals or plant life, heralds a new era in agriculture.

Characteristics

As a bio-based product, *BioWash* comes within a new category of Plant Growth Stimulator for which no governmental rules or regulations are yet in place in the USA. *BioWash* is neither a petroleum-based fertilizer nor a chemical pesticide. Because it is not a chemical pesticide, it does not require registration or approval by the U.S. Environmental Protection Agency (EPA).

Because *BioWash* has less than 5% NPK, it does not meet criteria for registration as a fertilizer by some State governments in the USA.

BioWash is manufactured in a sub-atomic process. It requires no special training, care or equipment by applicators, and requires no protective clothing.

When sprayed with *BioWash*, young plants grow more rapidly. The sub-atomic particles of the spray quickly penetrate the leaves to spark more-efficient photosynthesis and higher brix (sugar) levels. This makes the plants stronger, healthier and better able to resist diseases and harmful insects (while attracting honey bees). Plants have earlier and higher rates of germination, quicker flowering, and increased overall crop yields.

General Benefits

Increased Yields: Farmers report yield increases ranging from 10% to more than 40% on a series of grain, hay, and horticultural crops.

Higher Quality Production: Higher grain test weights, better quality fruits and vegetables, fewer rejections of fruits and vegetables.

Pest Control: *BioWash* is not classified a pesticide. However, farmers report that it does keep many harmful insects off plants, apparently by increasing the brix (sugar) levels in plants, which makes them nonviable to pests. Working at the molecular level, *BioWash* attacks the hydrocarbon composition of pests. This is in contrast to traditional chemical pesticides in which pests may develop resistance to the chemicals, which are directed at the pests' neurological system.

Shorter Growing Period: Most crops treated with *BioWash* mature about two weeks earlier, which facilitates double cropping, such as soybeans following wheat.

Drought Resistance: The deeper roots improve resistance to drought and facilitate better stands, which minimizes re-planting.

Stronger Plants: Deeper rooting makes the plants stronger, which reduces lodging and makes the plants more wind-resistant.

The Blending Process

BioWash is blended from farm-grown commodities (including tree oils, sugar, and corn, among others) in a proprietary process that embodies the latest advances in environmental science: quantum electro-mechanical physics and colloidal chemistry.

In the manufacturing process things happen at the sub-atomic level which causes the materials to take on surprising new properties; micelles are created in which the extracts of natural plants are blended at specific time intervals, temperatures and sequences which cause them to become transformed into new particles designated as colloidal micelles.

Treatment & Benefits for Specific Crops (as reported by users)

Following is a small sample of benefits, as reported by growers throughout the USA.

Soybeans: *BioWash* increases yields as much 40%; it also increases the test weight of the harvested beans, which increases the market price of the beans, and eliminates the need for chemical pesticides.

Wheat: Farmers in North Carolina report that yields of winter wheat that was sprayed when it came out of dormancy in the spring had 35% increase in yields plus significant increase in test weight.

Tomatoes: Spraying the plants soon after transplanting causes the roots to grow more deeply. To control insects, spray every 3 or 4 weeks. The spray increases yields and is especially effective in controlling aphids, white flies, and other insects.

Alfalfa: *BioWash* stimulates rapid and robust growth of both pasture and hay crops and effectively eliminates insect pests while attracting honey bees; it is best to apply the product within a week after each cutting of hay. It is more beneficial on newly planted crops.

Sweet Corn: Spray at the 2 to 4 leaf stage. The tassels will be extraordinarily large and full; the spray increases the sweetness of the corn, increases the number of rows of grain, and causes the grains to fill the cob completely.

Butternut Squash: A grower reports that treated vines produced 12 squash with 2/3 of them being larger than he had ever known. Untreated vines produced 2 squash.

Red Raspberry: Grower sprayed a 10-foot row in the spring with a small amount of the mixture. "When the bushes started to bloom, honey bees were in abundance, when I had hardly seen bees in the garden for years. There were no Japanese beetles. The bushes set an abundance of fruit; we picked 1/2 to 1 pint every other day for six weeks; picked the last berries the night before the first frost in late October."

Double-cropping: A Michigan farmer tried double-cropping soybeans after wheat. A month before the beans were ready for harvest, there was 15 hours of freezing weather. He sprayed the beans with a *BioWash* solution to which he added 3 lbs of sugar per ounce of *BioWash*. The beans survived the freeze. A month later he harvested 10-bu per acre of soybeans (which was unheard of before, with double-cropped beans in Michigan).

Greenhouse Use: Several operators of greenhouses in the State of Florida in the USA report a remarkable positive response on a variety of fruit and vegetable plants in their greenhouses.

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