

BIO-STICK

(Biological Spreader)

Product Overview

BIOSTICK is a non-ionic, colorless, slightly viscous, and biodegradable solution that enhances the activity of insecticides, fungicides, weedicides, foliar fertilizers, and plant growth regulators by spreading them uniformly, sticking rigorously, and activating violently. BIOSTICK reduces the surface tension of water thereby helping in fast and uniform coverage of pesticides, enhancing their sticking properties, and increasing the activities through fairly good penetration and translocation of pesticides in plant systems even at lower dosages.

Pesticides do not get run-off, even if it rains after spray. The persistence of pesticides increases on waxy and hairy leaves. BIOSTICK works very well even at a pretty low dose. Add just 5 ml of BIOSTICK in 15 lit water tank and mix with a recommended dose of pesticides or other spray products. Its Non-ionic constituents do not contain any ions like Sodium, Calcium, Magnesium, Chlorine, Carbonate, Bicarbonate, etc. which have a negative bearing on the normal functioning of the crop plants.



Product Target

Spray with fungicides, insecticides, herbicides, plant growth regulators, and water-soluble fertilizers to enhance efficacy and synergetic activities against hydrophobic plant surfaces.

Product Speciality

Ionic surfactants contain only 12-13 % w/v of surface-active agents and that too of ionic nature while that of BIOSTICK contains 100 % w/v as a surface-active agent in NONIONIC form.

The ionic surfactant may not be stable in the alkaline, acidic formulation as it contains resin, which may be hydrolyzed in some pH conditions, BIOSTICK cannot be reactive in any pH conditions.

Other similar products are biodegradable while BIOSTICK is partially biodegradable and there by works, retains pesticides for a longer time. This is how it is effective for a longer period than other similar formulations.



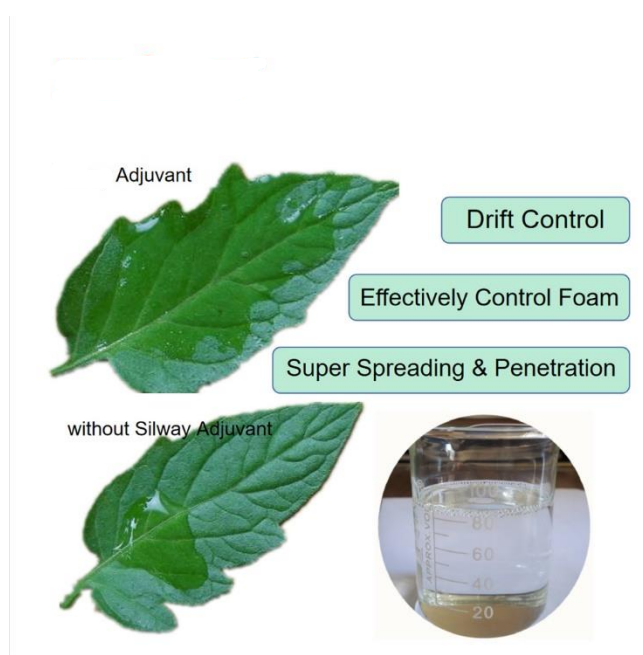
Ionic surfactants contain 37-38% synthetic ester resin also, which may react with spray admixture candidates like chemical pesticides, fungicides, fertilizers, etc. BIOSTICK is free from any synthetic resin-like chemicals.

BIOSTICK is biodegradable while ionic surfactants, do not get degraded biologically.

BIOSTICK contains more powerful non-ionic surfactant than other similar products so as to enable inputs to spread and activate faster.

Product Advantages

BIOSTICK as Spreader: Provides more uniform spray deposit on plants, and improves coverage of herbicide and fungicide sprays.



BIOSTICK as Activator: Through wetting action, it helps improve the performance of post-emergence herbicides, insecticides, and fungicides.

Increases water penetration, percolation, and spreading in soil strata. Aids irrigation by the increasing rate at which water soaks into the soil. Promotes water use efficiency. Reduces irrigation water run-off.

Method of Application and Dosage

Apply BIOSTICK @ 5-10 ml/15 liter water and 50 ml in 200 liter water in high-volume sprays in Mango and other orchard crops.

Target Crops

Cereals, Potato, Pulses, Plantations, Sugarcane, Oil Seeds, Tea, Turf, Fruits and Vegetables, Spices, Ornamental Crops, Cotton.