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Technical Literature

Crop Restart is the 100% Bio-degradable, 100% Carcinogen free Bio-Pesticide/ Plant Wash & Soil Prep. It is a proprietary blend of over 30 plant and vegetable oils combined with a bio-degradable surfactant. After years of lab and field testing, **Crop Restart** represents the leader in the Chemical Free, Bio-Pesticides for the global farming industry. **Crop Restart** also has several phenomenal benefits, one of which is for use as a fertilizer booster. This occurs because of the bio-degradable surfactant breaks the surface tension of the soil as the products drips off the leaves and trunk or when it is sprayed directly to the soil for insect control or as a fertilizer booster and allows for increased absorption of irrigation water with reduced runoff.

When **Crop Restart** is sprayed onto the leaves and trunk, it will immediately begin to dissolve any mold, chemical residues and scale due to the properties of the bio-degradable surfactant. It will also kill harmful insects on contact which include any larva or eggs that may be present. As the buildups are dissolved, the plants and trees will have increased photosynthesis in the leaves which dramatically increases chlorophyll production in the plant. As these residues are cleaned from the trunk and branches, they too will be able to absorb increased nutrients like nitrogen and allow the tree or plant to breathe.

Once in the soil, **Crop Restart** works at the cellular level of roots, increasing their ability to more efficiently absorb moisture and nutrients from the surrounding soil. Increased Cation Exchange (CEC), nitrogen fixation, absorption of available carbon, humus, compost trace minerals, etc. increases the sugar content (BRIX) of the plant. Increased BRIX levels act to improve photosynthesis as described above, resulting in healthier growth and more hardy resistance to insects, disease and climate impacts. **Crop Restart** also greatly enhances the microbial activity helping to increase organic matter at a faster rate.

Upon contact with harmful pests and insects, **Crop Restart** begins to actually melt the soft tissue around the head, legs / joints, including the eyes, mouth and antenna. Specifically with the Coffee Roca beetle, **Crop Restart** will immediately begin to dissolve the beetle's legs, wings making it completely immobile until the beetle is completely dead. **Crop Restart** melts the Roca larva, other eggs and soft tissue pests like white flies, aphids and mites on contact and this includes any larva that may be present within the coffee cherry at time of harvest. It is the specific design of **Crop Restart** and proper procedure therefore, to wash the harvested crops prior to transport to avoid contamination of other harvested crops from other un-infected areas. This also includes the disinfecting the equipment and personal prior to leaving infected areas to ensure the vector (insect) is not transported into surrounding un-infected areas. Prevention can only be achieved through strict

decontamination process that can be explained further by one of our company representatives.

Crop Restart represents the creme del a creme of Organic Bio-Pesticides/ Plant Wash & Soil Prep products available anywhere in the world! Field tests reflect that regular applications of **Crop Restart** dramatically decreases pest presence, increases plant productivity by boosting fertilizer benefits and increasing chlorophyll production, increases yield, reduces insect damage because of increased BRIX (sugar + mineral content) in the plant (insects cannot digest plant sugar because they have no liver so the increased sugar literally kills them); offers added freeze protection (down to 27 degrees) and help increase overall profits.

Plants, like humans and animals, are electro-magnetic and are therefore governed by Periodic Law. **Crop Restart** is comprised of exceptionally tiny particles called 'colloidal micelles'. Each micelle carries a negative electro-magnetic charge that is capable of attracting, holding and exchanging positively charged particles (cations) of magnesium, calcium, carbon, trace minerals and other nutrients in a manner that allows roots to more easily absorb them." By making **Crop Restart** a regular part of your crop planning efforts, multiple benefits can be realized. The affordable cost of **Crop Restart** will be completely offset by the increase in quality and yields that growers will quickly realize.

Crop Restart was developed by **Global Soil Solutions, Inc.** to be a synergistic companion to their other proprietary product line they call their **Crop Management System**®. This system was designed to offer growers superior products that over time, will actually decrease the amount of fertilizer that is needed, translating to less dependence on harmful chemicals. This reduces negative impacts on the soil, on our environment and on the field workers, as well as less overall cost to the grower. Improved growth and stamina in plants means healthier, sturdier, more disease resistant plants; in fact, some growers report that plants which appeared to be beyond help, have actually revived after **Crop Restart**. After regular **Crop Restart** treatments many growers report earlier harvests, significant crop quality increase and increased yields. Farmers in Mexico call **Crop Restart** "Holy Water" because of its many, many benefits but especially because it is "Chemical Free"! These growers have joined the growing numbers from throughout the USA, Central and South America that can now be confident in using a safe bio-pesticide that will not harm their children, animals or crops!

The planning and research that has gone into the development of **Crop Restart** will reduce not only insect / pest losses for famers around the world but will also help to remediate polluted soils when combined with the **Global Soil Solutions, Inc. / Crop Management System**® and will ensure the environment will be a better quality for our children!



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