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Clean Crop Solutions offering an alternative to toxic chemicals

Randal Raney, owner of [Clean Crop Solutions](#), has spent more than three decades as a lobbyist for the agriculture industry, representing and helping clients within the sector and advocating for owners and cultivators to use clean technology on their crops and plants.

His passion and efforts led to him starting Clean Crop Solutions.

Clean Crop Solutions is a nanotechnology for the agriculture industry worldwide. The product works as a soil conditioner, insecticide, miticide, fungicide, larvicide and crop wash. It's used for mold, mildew, root rot and pests.

“The agricultural industry is growing worldwide and the majority of the crops are testing positive for pesticide, insecticide and fungicide residues,” Raney said. “Clean Crop Solutions provides a safe, proven valuable formula in replacing the most toxic pesticides, insecticides or fungicides, and is the solution to toxic crop control chemicals which are being used today.”

Today, it's being used on everything from tomatoes to peppers to watermelon, and is safe for any agricultural plant and cannabis.

Clean Crop Solutions' formulation has been successfully used on Fusarium wilt, botrytis, white powdery mold, mildew, fungi, bacteria, white flies, aphids, russet mites and other insect and mosquito larvae issues.

“After consistent regime treatment, the problem is effectively eliminated,” Raney said. “Clean Crop Solutions leaves no toxic residues on crops, and is safe for mankind, pets and the environment.”

Plus, when utilized on a regular watering/misting regime basis, Clean Crop Solutions increases internal sugar levels in the plant, providing it with natural effective pest and disease resistance.

And it won't harm irrigation systems or spray nozzles — in fact it keeps them clean.

This product is made from natural plants, which is on the FDA approved GRAS and EAFUS list of food products. Raney explains that Clean Crop Solutions is a colloid, not a dissolved solution. That means it has a physical action that improves nutrient mobility in crops by sharply reducing the surface tension of water and plant nutrient solutions.

“A colloid is a solution that has particles ranging between one and 1,000 nanometers in diameter, yet are still able to remain evenly distributed within the solution,” he said. “This is known as Colloidal dispersion. The substances remain dispersed and will not settle to the bottom of the container.”

And because they contain no silicates, nitrates, or hydrocarbon elements or phosphates, there is no negative effect to life form.

“It has to do with what's called the sub-microscopic particles called micelles within the Clean Crop's Colloidal Super Surfactant Product,” Raney said. “This was achieved by blending various agricultural row crops base to the product along with hyper-wetting formulas. These microscopic elements are so

small they can't be viewed with a microscope. This is the reason the product works so well.”

Micelles are extremely small particles which are electrically charged (.00000001 cm) that repel each other just like opposing magnets when mixed with water. The end of a micelle has an opposite charge, one hydrophilic (affinity for water), while the other is hydrophobic (antagonistic to water). These micelles repel each other in a constant movement.

“This causes easy penetration of Clean Crop Solutions within certain plant and crop membranes,” Raney said. “When the product works its way through the soils and is taken up into the roots of the plant, the whole life form has been changed and helps to protect the plant and helps activate the plants’ natural immune system.”

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