

Pest Management For The Planet...



ISCA
TECHNOLOGIES
Pest Management Tools & Solutions



Providing Environmentally Safe Solutions for Our Customers

The mission of ISCA Technologies is to protect the world from damaging insects and disease-causing pathogens, by developing tools and solutions that are economical, effective and ecologically friendly.

Semiochemicals are natural chemicals involved in the communication between insects of the same species. ISCA's products rely on the use of environmentally safe and nature identical semiochemicals to manage damaging insects. We believe that managing damaging insects with semiochemicals such as insect sex pheromones is the safest method currently known to science.

To accomplish its mission, ISCA employs a multi-disciplinary team of highly specialized researchers: entomologists, biologists, chemical ecologists, organic and analytical chemists, engineers and

information technologists, who have years of experience with integrated pest management (IPM), insect trap development, insect pest monitoring programs and monitoring technology.

ISCA's proprietary SPLAT™ technology uses biologically inert, bio-degradable and food grade ingredients to deliver pheromones and other semiochemicals in mating disruption and attract & kill formulations. SPLAT products allow users to reduce or replace conventional pesticides that can have potentially negative effects on non-target insects, livestock and humans and which can result in insecticide resistance.

Through the use of SPLAT and other innovative products, ISCA has been successful at safely reducing pest damage and contributing to a safer food supply for the world.



Dr. Agenor Mafra Neto is the President and CEO of ISCA Technologies. He is a leading researcher in the entomological field of insect chemical ecology, the study of the natural chemicals involved in the communication between insects of the same species.

Innovative Tools to Protect the World's Food Supply

ISCA Technologies strives to integrate the latest technology from a wide range of fields and disciplines to manage damaging insect pests and pathogens, maximize harvests, and ultimately improve the worldwide food supply.

SPLAT™

ISCA's flagship product uses EPA certified food grade inert materials along with natural pheromones and chemicals to control specific insect pests with mating disruption and attract & kill formulations.

ISCALures™

Species specific, high purity pheromone lures are used with ISCA's superior trap designs to monitor and mass trap insect species.

Fine Chemicals

ISCA has state-of-the-art synthetic and analytical chemistry capabilities. It is the world's sole source for many difficult to synthesize semiochemicals and pheromones.

IPM Products

ISCA conducts research and development to promote the cost-effective use of integrated pest management (IPM) techniques, including mosquito management products, bio-functionalized nanosensors for the detection of damaging pathogens, automated insect identification devices, and more.



SPLAT

Specialized Pheromone & Lure Application Technology



SPLAT is a biologically inert matrix that can be used for the release of pheromones, semiochemicals, and/or insecticides.

SPLAT has numerous advantages over current semiochemical controlled release technologies:

- Provides long term rain and UV protection for the pheromone and/or active ingredient.
- Biologically inert and bio-degradable matrix.
- Ability to vary release rates and duration from weeks to months with one application depending on the size of the SPLAT dollop, and in many cases, achieve season long control with one application.
- Amorphous and flowable quality allows for many types of application methods: spatula, caulking gun, metered backpack sprayer, tractor, aircraft, etc.
- Possible to develop formulations to target more than one pest with formulation mix of desired pheromones, active ingredients and/or pesticides.
- An EPA science review has certified all inert ingredients in SPLAT to be "suitable for food use".



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