MiteXstream™

Re-Imagining Pesticides, Disrupting Nature's Forces For The Better Of Us All.

MiteXstream™
EPA Pesticide Registration, (48 States) from: the Biopesticides and Pollution Prevention Division of the Office of Pesticide Programs. **EPA Registration No: 95366-1** Federal Insecticide, Fungicide, and Rodenticide Act.

MiteXstream is **non-toxic** to honey bees on contact or ingestion!
MiteXstream eradicates spider mites, (a lethal pest in cannabis, grapes, hops, coffee and strawberries.)
MiteXstream eliminates molds and powdery mildews.
MiteXstream is derived from **100%** plant-based ingredients.
MiteXstream is comprised of **100%** food-grade ingredients.
MiteXstream is field tested and lab proven.
MiteXstream is a pesticide, **but it is not a poison** – it is a pesticide re-imagined. With chemical action created by a proprietary technology,
MiteXstream physically destroys pests and their eggs, as well as molds and powdery mildews….and leaves **zero residue**!

MiteXstream is a minimum risk biochemical miticide that controls mites, Eotetranychus spp.,Tetranychus spp. and Panonychus spp., including spider mite, two-spotted mites, pacific mite, willamette mite, citrus rust mite, broad mite and the European red mite; molds and powdery mildew.

MiteXstream is ideal for mite control in integrated pest management. Use MiteXstream alone or in rotation with other miticides.

MiteXstream Dilution Rates:
Regular dilution rate for plants **over** 4 weeks old: 128 to 1: (1oz MiteXstream Solution to 1 gallon of water.)
Regular dilution rate for plants **less** than 4 weeks old: 300 to 1, (**.**33oz MiteXstream Solution to 1 gallon of water.)

Suggested dilution rate for plants **over** 4 weeks old with severe infestation is: 100 to 1: (1.25oz. MiteXstream Solution to 1 gallon of water.)

Once your crop / grow shows no signs of infestation, you can return and maintain your crop/ grow at the regular dilution rate.

Testing
To gain biopesticide certification by the **EPA**, we were required to complete two standard tests.
Acute Toxicity Test and Storage Stability Test. These tests were performed by an independent third-party laboratory, STILLMEADOW, Inc., Sugar Land, TX, and together they lasted approximately 3 months.

Acute Toxicity Test: This test is a suite of six tests:
Acute Oral Toxicity, Acute Dermal Toxicity, AcuteInhalation Toxicity, Acute Eye Irritation, Acute Dermal Irritation and Guinea Pig Skin Sensitization.
The name of each of these sub-tests identifies its specific testing focus.

In each test case, MiteXstream passed without issue. In fact, though not recommended, small amounts of MiteXstream concentrate can be ingested without negative effects.

Accelerated Storage Stability with Corrosion Characteristics Test.
Because it was determined that MiteXstream was qualified to undergo an abbreviated testing regimen, this test lasted for 14 days. The test was conducted with MiteXstream in its intended commercial packaging; was conducted incompliance with Good Laboratory Practice standards; and was conducted at 54 C +/- for 14 days.

The testing also determined the deterioration or degradation of the MiteXstream, specifically analysis was made of physical changes, such as separation or clumping, and any other changes that would interfere with the usefulness or safe handling; and the testing determined the deterioration or degradation of the packaging / container — **Results: None.**

Effectiveness
Black Bird Biotech has determined that, when mixed with water at the prescribed dilution rate, MiteXstream is extremely cost-effective in killing mites and similar pests, including spider mites and their eggs, and eliminating molds and mildews, **with no risk of plant damage.**

MiteXstream - New Markets Entry
MiteXstream is now being introduced through international sales channels, including in China, Hong Kong and neighboring countries, (a focus on tea and tobacco crops), and Central American countries, (a focus on banana and coffee crops), where annual mite damage to crops can be extensive and expensive to growers and farmers.

MiteXstream delivers the unique and highest performance standards and results throughout the industry. We are excited to get this great product into the hands of growers and our country's great farmers….as well as being able to introduce our product to the farmers and growers all around the world!

Growers have the confidence that by using MiteXstream they are offering their customer's a 100% Plant-Based and 100% Food Grade ingredients, zero residue, proven and safe product.

Independent Lab Testing—Cannabis.
Based on independent lab testing, users of MiteXstream are able to treat their cannabis (marijuana) plants through the day of harvest and still satisfy state-levelpesticide testing standards.

Stillwater Labs, an Olney, Montana-based medical marijuana testing facility, concluded their testing of a cannabis sample treated only with MiteXstream. In addition to testing for pesticides prohibited by the State of Montana, Stillwater Labs also tested for pesticides prohibited by the State of Oregon, the most stringent state-level marijuana testing standard.

The results of this testing, presented as being measured in parts per billion (PPB), are set forth below.

*Noted in the report of Stillwater Labs as possible ambient environmental contamination.

Montana Pesticide Testing Standard

Analyte	Montana Allowable Limit (PPB)	MiteXstream Treated Sample (PPB)	Analyte	Montana Allowable Limit (PPB)	MiteXstream Treated Sample (PPB)
Abamectin	500	0	Imidacloprid	400	0
Acequinocy	2000	0	Myclobutanil	200	0
Bifenazate	200	0	Paclobutrazol	400	0
Bifenthrin	200	0	Pyrethrin I	1000	0
Chlormequat Chloride	1000	0	Spinosyn A	200	0
Cyfluthrin	1000	0	Spinosyn D	200	0
Daminozide	1000	0	Spiromefesin	200	0
Etoxazole	200	0	Spirotetramat	200	0
Fenoxycarb	200	0	Trifloxystrobin	200	0
Imazalil	200	0			

States with EPA Registration (48):

Alabama, Alaska, Arizona, Arkansas, Colorado, Connecticut, Delaware, Georgia, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas Kentucky, Louisiana, Maine, Maryland, Massachusetts Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West Virginia, Wisconsin, Wyoming, Washington, D.C.

Pending States Update:

Florida

An application will be filed in California in the near term, (a review time of approximately 8 months is expected.)

Testimonial From Customer's 2-Year Testing of MiteXstream

Dylan Matteson, owner of We'D, a Montana-licensed Medical Marijuana Dispensary with locations in three cities, recently told Black Bird Biotech, "Following nearly two years of testing MiteXstream in our grows, and watching the test plants grow free of spider mites, molds and mildews, and grow more robustly, we are excited to be able to purchase MiteXstream and use it in all of our indoor grows, knowing that we can safely apply through the day of harvest and still pass state testing. And being the first official MiteXstream buyer this makes it even more special. This is an amazing product, bottom line."

Oregon Pesticide Testing Standard

Analyte	Oregon Allowable Limit (PPB)	MiteXstream Treated Sample (PPB)	Analyte	Oregon Allowable Limit (PPB)	MiteXstream Treated Sample (PPB)
Abamectin	500	0	Clofentezine	200	0
Acequinocy	2000	0	Cypermethrin	1000	0
Bifenazate	200	0	Diazinon	200	0
Bifenthrin	200	0	Dichlorvos	100	0
Chlormequat Chloride	N/A	0	Dimethoate	200	0
Cyfluthrin	1000	0	Etofenprox	400	0
Daminozide	1000	0	Fenpyroximate	400	0
Etoxazole	200	0	Fipronil	400	0
Fenoxycarb	200	0	Flonicamid	1000	0
Imazalil	200	0	Fludioxonil	400	0
Imidacloprid	400	0	Hexythiazox	1000	0
Myclobutanil	200	0	Kresoxym-methyl	400	0
Paclobutrazol	400	0	Malathion	200	0
Pyrethrin I	1000	0	Metalaxyl	200	0
Spinosyn A	200	0	Methiocarb	200	0
Spinosyn D	200	0	Methomyl	400	0
Spiromefesin	200	0	Oxamyl	1000	0
Spirotetramat	200	0	Permethrins	200	1*
Trifloxystrobin	200	0	Phosmet	200	0
Acephate	400	0	Piperonyl Butoxide	2000	0
Acetamiprid	200	0	Prallethrin	200	0
Aldicarb	400	0	Propiconazole	400	0
Azoxystrobin	200	0	Pyridaben	200	0
Boscalid	400	0	Spiroxamine	400	0
Carbaryl	200	0	Tebuconazole	400	0
Carbofuran	200	0	Thiacloprid	200	0
Chloantraniliprole	200	0	Thiamethoxam	200	0
Chlorpyrifos	200	0			

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