

Who is Natural Forces

- Natural Forces, LLC develop new products, systems and services based upon food grade, natural and organic technologies for the specialty markets.
- Current Product Lines
 - Rejex-it Bird Repellants
 - Sugar Ester Insecticide/Miticide/Ovicide



What are Sugar Esters?

- **Sugar based miticide / insecticide.**
- **Discovered and researched by USDA.**
- **Naturally occur in the leaf hairs (trichomes) of wild tobacco.**
- **Synthesized by reacting sugar (sugar cane or sugar beet) with fatty acid.**
- **Recognized internationally as food additives.**
- **Used as emulsifiers in baked goods.**
- **Desiccants that pierce wax layer of insects, drying them out with rapid mortality.**



Sugar Ester Properties

- **Fast Acting**
 - Stops insects/mites within seconds of application
- **Broad Spectrum Control**
 - Controls hundreds of insects and mites (Thrips, Mealy Bug, etc.)
- **Gentle on beneficial insects-won't harm bees**
- **No Known Resistance by insects**
- **Labeled on hundreds of crops and plants**
 - Greenhouses, fruit and vegetables, nurseries, etc.
- **Zero Harvest Interval**
 - Treat and harvest and consume in same day
- **Regarded by EPA as low risk materials**
- **Activity on egg, nymph, and adult stages**



Sugar Ester Insecticide Product Line

SucraShield (Sucrose Octanoate Esters)

- Active Ingredient – Sucrose Octanoate Esters
- OMRI/WSDA/NOP listed for Organic production
- 48 hour Re-Entry Interval
- Supplemental label for mushrooms
- 40% Active Ingredient
- Mixed at 1% v/v solution
 - 1 gal SucraShield per 100 gal water
- Pack Sizes
 - 4x1 Gal
 - 8x1 Pint
 - 250 Gallon Tote

SorbiShield 90(Sorbitol Octanoate Esters)

- Active Ingredient – Sorbitol Octanoate Esters
- 24 hour Re-Entry Interval
- Not labeled for mushrooms
- 90% Active Ingredient
- Mixed at 0.5% v/v solution
 - 64 ounces/100 gal of solution
 - outdoor plants only
- 2ee rate: 0.2% v/v
 - 26 ounces/100 gal of solution
 - Indoor and outdoor uses
- Pack Sizes
 - 2x2.5 Gal
 - 4x1 Gal
 - 250 Gallon Tote

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SorbiShield 90 Positioning

- Economical contact insecticide/miticide/ovicide
 - <\$10/100 gallons of spray solution
 - Excellent tank mix partner with translocated insecticides
 - Quick knock down and new broad spectrum mode of action
 - Apply year round;
 - Dormant-psyllid, mites, etc.
 - Bloom-will not harm bees or interfere with pollination
 - Post Bloom-spray up to the same day of harvest
 - No harvest restrictions
 - Does need surfactant and agitation
 - Commercial Growers only
 - No MRL restrictions for export
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SucraShield Positioning

- Approved for organic production
 - OMRI, WA State, USDA-NOP
 - Excellent tank mix partner with translocated insecticides
 - Quick knock down and new broad spectrum mode of action
 - Apply year round;
 - Dormant-psyllid, mites, etc.
 - Bloom-will not harm bees or interfere with pollination
 - Post Bloom-spray up to the same day of harvest
 - No surfactant needed
 - No harvest restrictions
 - Excellent for Commercial and Retail customers
 - No MRL restrictions for export
- 

Insects/Mites Controlled

**Soft bodied insects including
but not limited to:**

- **Mites and eggs**
- **Aphids**
- **Thrips**
- **Mealy bug**
- **White fly**
- **Scales-soft**
- **Leafhoppers**
- **Psyllid**
- **Leaf miner larvae**

And hundreds of others



Plants and Crops Protected

- Vegetables, Herbs, and Spices (Greenhouse & Outdoor)
- Ornamental, Landscape, Trees and Shrubs
- Christmas Trees
- Roses
- Flowers
- Bedding Plants
- Fruit and Nut Crops
- Field Crops
- Mushroom Production



Additional Information

Call customer service at (866) 532-4737

or

Visit our website at

www.naturalforcesllc.com