

Orchard - Grove - Vineyard

Quality - Yield - Frost Risk Management



Grapes - Peaches - Cherries - Plums - Apples: Diller Raby Farm: Lewiston, New York: Harry Raby, a 5th generation fruit farmer in Lewiston, New York wants to share the results of spraying his orchards with GreenSafe Foliar Spray. Harry Raby planted 8.40 acres Traminette White wine vines five years earlier. 4.4 acres of vines never produced a crop. He applied the GreenSafe plant spray on his 65-acres. The Traminette 4.4 acre produced grapes for the first time. That production was 3 times what Harry expects. He harvested 27.4 tons of grapes for a \$17,875 profit. He spent \$125 dollars on GreenSafe product to get that outcome. His 110-acre farm includes 30 acres of peaches, cherries, plums, and apples. In addition to better yields, Harry credits a spray application prior to a freeze with saving his crops. He placed thermometers around the farm and the temperatures reached as low as 17 degrees Fahrenheit. Harry said, "I thought my peaches and apples would be "cooked"." However, his trees were in beautiful condition. All were not damaged by the freeze. In fact, the fruit trees showed no signs of damage from the stress of a summer drought. In the months of September & August Mr. Raby harvested 90 tons of Peaches and some were the size of Grapefruits and very sweet. Harry continued spraying the GreenSafe product for an "astronomical" year for all his fruit trees.

Tangerines - Grapes - Peaches: GreenSafe™ application can protect plants from frost and can improve freeze recovery. These growers report frost risk management and freeze recovery success:





Peach Orchard Joseph M. said, "This orchard saw 15°F weather but I'm still harvesting peaches the size of softballs while others in the region have none."

Tangerine Grove Tracy P. -- When Tracy's mature tangerine trees went through a 19°F freeze all night, she found the leaves

pale green and limp the next day. She had heard of our success helping plants survive freezes, so before the leaves could turn brown, she sprayed them with a diluted solution. To her amazement and delight, it revived them within a few days to their healthy pre-freeze state. She treated them 3 more times, and that spring had over 2,000 large, plump, sweet tangerines on one tree alone, where the two trees had produced only a few hundred small, tart ones in earlier years.

Grape Arbor: Shelly F. "We had a bad freeze late in the season. We used Foliar Spray to help us through it. We have around four acres of grapes. It was our fourth year using Foliar Spray. We pulled off 2.7 Tons. In round numbers \$20 spent on a freeze protection spray saved us from a nearly \$1500 loss."



Peach Orchard: Henderman's- The owner woke up on the morning of April 21st, 2014, to the outside temperature of 27 degrees Fahrenheit and noticed ice formation on his peach tree blossoms. I called him that morning and suggested he apply Foliar Spray at the rate of 1 oz. per 3 gallons of water to protect the blossoms from freeze. George reported back no burnt blossoms and a great harvest later in the summer.



Tangerine Grove: Joseph M. - "This orchard saw 15°F weather but I'm still harvesting peaches the size of softballs while others in the region have none." Tracy P. - When Tracy P's mature tangerine trees went through a 19°F freeze all night, she found the

leaves pale green and limp the next day. She had heard of our success helping plants survive freezes, so before the leaves could turn brown, she sprayed them with a diluted solution. To her amazement and delight, it revived them within a few days to their healthy pre-freeze state. She treated them 3 more times, and that spring had over 2,000 large, plump, sweet tangerines on one tree alone, where the two trees had produced only a few hundred small, tart ones in earlier years.



Blackberries: I sprayed these blackberries 4 times customers said 4 times more than normal the largest he's ever seen.



Blueberries: Richard J. from Michigan, a 30-acre blueberry grower, called to talk about his amazing blueberries. Richard said they had a perfect growing season this year with just enough rain and good weather after a very severe winter. His berry bushes were damaged, but they have new growth on the bushes that are dark green and full. The berries were the size of a nickel and quarter, they were some of the best they have ever seen. He reordered for next year so he's ready for any surprise spring freezing weather.

Grapes: Diller R. in New York said "We started harvesting Niagara Grapes and this is the best year I've ever seen since I took over the farm from my dad in 1978. The grapes are plentiful, loaded with a high brix count. The grapes are just "povin" out on to the harvester conveyor and each section of the vineyard seems to be more." He called back a few weeks later to report he harvested 13 tons per acre of Niagara's and some areas as much as 16 tons per acre. He's never seen such a beautiful harvest in all his years of farming. Harry R. in New York applied Moonshine 4 times at 3-week intervals. His Traminette wine grape vines had not produced a harvest in four years until applying Moonshine. Moonshine cost was \$175. He calculates his return on investment at \$17,875.00.



Oranges: Fertigation System: John H. Grove Manager in Florida agreed to a GreenSafe Plant Amendment and Foliar Spray evaluation on a 25-acre section of his orchard. Our baseline survey showed more than a quarter of the fertigation system sprays were plugged. Plant Amendment is applied at one ounce per 300-gallons of fertilizer water mixture. After the first month the farm manager reported all the sprays were working.

Apples, Row, Field Crops and Poultry: Brian T. from Flandreau, S.D. and his family are 650-year farmers in a Hutterian Brethren community with 130 families. He has been applying our products for over 6 years. Brian purchases all our products, Plant Amendment, Foliar Spray and All-Purpose Cleaner. He absolutely loves them all. He has healthier fruit trees, vegetables, corn, soybean, alfalfa. And, he has healthier turkeys, chickens, pigs, cattle, and ducks. Brian says they are getting as much as 30 to 100% increase in the field crops, garden produce and fruit crops. He purchases our cleaner concentrate in 250-gallon containers preparing dilutions to replace all farm, household, and personal care cleaning products. Brian told me one year he had a 300% increase in garlic, and he gives credit to clean feed for the best 84 thousand turkeys his Colony ever raised. And he is absolutely blown away about how our nutrient enhancers work with his fertilizers.

Attachment: Case History: Peach Orchard – Georgia – Yield, Quality, Frost Protection

GreenSafe™ System - Nutrient Enhancers

Increase Fruit Yield and Quality, Extend Freshness and Reduce Frost Damage

Risk:	\$900,000 lost orchard revenue due to freeze damage.
3	Baskets/Tree After Freeze
6	Baskets/Tree Normal Yield
\$20	Selling Price/Basket
120	Acre Orchard
125	Trees/Acre
15,000	Trees/Orchard
90,000	Baskets per Tree Expected Yield
45,000	Baskets per Tree Freeze Damage Yield
\$1,800,000	Normal Harvest
<u>\$900,000</u>	Reduced Harvest Due to Freeze Damage

Frost Risk and More Managed by the GreenSafe™ System: It applies nanotechnology to create colloidal micelles from its mixtures of processed plants and oil seed extracts. These nano sized (1-nanometer = 1 billionth of a meter) micelles turbocharge plant chemicals so they significantly outperform synthetic chemicals. Plant scientists report as little as 30% of fertilizers are taken up by plants. The excess bind up the soil to further reduce fertility and pollute both water and air. The trillions of colloidal micelles that make up GreenSafe Plant Amendment and GreenSafe Foliar Spray release nutrients bound up in the soil then significantly increase plant uptake of both these nutrients and water. Crop yield and quality are improved with reduced fertilizer application. And, the saturated sap from these nutrient enhancers prevents cold weather damage because there is much less free water present to form damaging ice crystals in plant cells.

Step 1: Season Start - One GreenSafe Plant Amendment Ground Application

5	oz/acre GreenSafe Plant Amendment
100	Acre Orchard
300	Gallon Tank
7.5	gal/acre
40	acres covered per tank
200	oz added to tank
2.5	Tanks
500	oz.
4	gal. GreenSafe Plant Amendment
\$448	4-gal. of GreenSafe Plant Amendment at \$112/gal.

Step 2 - Bud Swell Freeze Protection

1	Oz./3-Gal.
500	Gal./Tank
167	Oz./Tank
100	Gal./Acre
5	Acres/Tank
20	Tanks/Orchard
3333	Oz. GreenSafe
26	Gal. GreenSafe

Step 3 - Fruit Appears

1	Oz./8-Gal.
500	Gal./Tank
63	Oz./Tank
100	Gal./Acre
5	Acres/Tank
20	Tanks/Orchard
1,250	Oz. GreenSafe
10	Gal. GreenSafe

Step 4 - Plus 30-Days

1	Oz./12-Gal.
500	Gal./Tank
42	Oz./Tank
100	Gal./Acre
5	Acres/Tank
20	Tanks/Orchard
833	Oz. GreenSafe
7	Gal. GreenSafe

42	Total Gal. GreenSafe for Steps 2-4.
\$2,040	15-Gallon GreenSafe Foliar Spray at \$136/gal.

Risk:	\$900,000	Income lost to freeze damage.
Managed Risk:	\$2,488	4-Step GreenSafe System application cost.

Summary: The 4-Step application of the GreenSafe System increases yield, improves quality and manages cold weather risks (see GreenSafe and GreenSafe Plant Amendment Product Bulletins for details).

For More About The GreenSafe™ System: www.GreenSafeWorldwide.com