

# Trauma & Rescue

## How to Help Save Your Crops

**As growers more frequently see conditions of intense stress from multiple sources they need additional responses.**

**Sometimes you need a “Hail Mary!”**

When stressors multiply, stress management only gets more complicated.

One thing is simple. The top priority is to build the strongest, healthiest plant possible, because stress attacks the weak first. Our Seaweed Solutions™ proactively help crops thrive while protecting them from heat, cold, salt stress and more.

But with periodic, random stress events — such as hail, herbicide damage, winter damage, heat damage — many growers are turning to our Seaweed Solutions™ for recovery.

Our seaweed products’ strengths are in their diversity. They have the widest array of beneficial constituents of any agriculture products on the planet—and they are highly safe and cost efficient.

From hail damage to heat damage, our customers have shared stories and observations from the field.

### LATE FROST RECOVERY 2018

Seedling field corn (Nebraska)—survived and thriving after early morning late frost episode burned back the untreated seedling on neighboring property.



### HAIL DAMAGE RECOVERY 2019

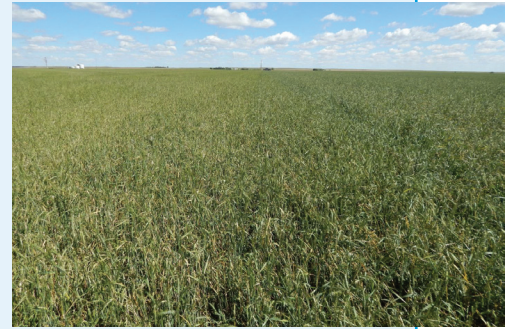
Wheat after hail storm (Chase County, Nebraska). Field on right was treated with Ocean Organics Guarantee® Organic Kelp Extract applied at 1st joint at 1 quart/acre. An additional 1 quart was applied two days after the hail storm. Field on right withstood the hail storm significantly better and wheat is coming back, shooting new secondary tillers that are in late boot to early heading stage.

– Grower’s Report

*“Last week I got a phone call from our new distributor in Nebraska. His area had received thunder storms with severe, damaging hail. He asked if applying our Guarantee® Organic would help the spring wheat crop recover. I said I didn’t know but told him of other crops that have recovered from hail and some from herbicides. I knew that it couldn’t hurt to spray, so he aerial sprayed all the acreage with Guaranteee.*

*This morning he said all the damaged spring wheat has recovered. His neighbor, a conventional grower, had planted winter wheat, which was much farther advanced in growth and had also been damaged. It has yet to recover. I suggested that our customer sell some to the neighbor!”*

*– Mike R., Ocean Organics*



Field on left is neighbor’s wheat. Field on right was treated with Ocean Organics Guarantee® Kelp Extract

**Call and ask for our more detailed, scientific research.**

### HIGH HEAT/UV STRESS 2016

Haas Avocados (Kingsburg, California). Three year old planting survived high heat (105° F) in California San Joaquin Valley. Thriving under the high temperature and high insolation (sun exposure) of June 2019!



## HERBICIDE DAMAGE RECOVERY • 2016

Justin Choiniere, President of Northeast Agricultural Sales (Detroit, Maine) reported this incident.

*"We custom apply pesticides to a variety of different crops all across the state of Maine. In one particular instance, we ran into some herbicide injury on silage corn in Clinton, Maine in June 2016. After applying 3 ounces per acre of a popular herbicide, and 2 quarts per acre of another herbicide and 1/2 ounce of a fungicide, 4 days later, the then 6 inch tall corn exhibited obvious phytotoxicity shown in these pictures.*

*Based on a suggestion from Ocean Organics Corp, we applied 2 pints of Guarantee® Organic foliar per acre. Within a week a noticeable plant health response was evident. By the end of the growing season, it was hard to tell which hybrids in the plots had been affected by the injury. Growth response was so great, that both Caragh Fitzgerald and Rick Kershbergen (U.Maine extension agents) had to double check their notes as to which hybrids had been damaged."*



## SALT LEVEL IN SOIL • 2018

Strawberries (California). 2 qts per acre Guarantee® improved plant health. SDI drip irrigation.



## SALT LEVEL IN IRRIGATION WATER • 2016, 2017, 2018

Turf (California). Guarantee® improved plant health. Sprinkler irrigation.



## WINTER DAMAGE • 2019

A lavender farm in Mid-Coast Maine showed the ravages of a difficult winter. It had suffered multiple sequences of heating and cooling, and even in June the plants showed the signs of deep stress. The owner called Ocean Organics for help. She was given three kelp extract products to sample and chose Guarantee® Organic for her rescue effort. Three weeks after spraying, her farm had recovered and was beginning to bloom.



## Need to tank mix?

Guarantee® Seaweed Products are tank mix compatible. **Call your distributor or Ocean Organics rep right away! The sooner the better!**

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Ocean Organics has been processing seaweed and formulating fertilizers for over 40 years. Our innovative processing technology yields products richer than others yet with fewer solids and lower viscosity. This means our seaweed products can be used with a broader range of materials with better blending, mixing and stability characteristics. Our seaweed-based fertilizers, plant health materials and soil conditioners lead the industry in quality, effectiveness, cost efficiency and environmental sustainability.



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