



## MicroSoil® NEWS – SUMMER-FALL 2015

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*"If the bee disappears off the surface of the globe, then man would have only four years of life left. No more bees, nor more pollination, no more plants, no more animals, no more man," Albert Einstein*



## MicroSoil® TRIAL RESULTS – PORTUGAL

Trial results just received from Portugal on Lettuce and Sweet Potatoes show significant improvements between crops **Grown with MicroSoil®** and without **MicroSoil®**. The trials were conducted by SAPEC Agro Portugal during June – October 2014. The objective of the trials was to evaluate the efficacy of **MicroSoil®** to increase overall production of lettuce and sweet potato. The complete study (in Portuguese & English) will be available on our new website when it is launched later this year.



### **Leaf Lettuce – Known in Portugal as “Alface Frisada” (Beaded Lettuce)**

- \* Location of 0.35 hectare field was in Torres Vedras, Portugal.
- \* Each of two (2) Test Plots was 0.175 hectare (0.43 acres).
- \* Both Experimental Plot & Untreated Plot were planted (seeded) 18 June 2014 (114,286 plants per hectare).
- \* One (1) liter **MicroSoil®** per hectare was applied to the Experimental Plot via drip irrigation on 19 June. No **MicroSoil®** was applied to the Untreated Plot.
- \* Both Plots were harvested on 17 July 2014.

**The Experimental Plot treated with MicroSoil® showed 65% more yield per hectare (126 Ton/ha) than the Untreated Plot without MicroSoil® (84 Ton/ha). Also, the Experimental Plot treated with MicroSoil® showed higher yield with more and heavier heads of lettuce (24 plants weighing 21.3 Kg per 1.69m<sup>2</sup>) than the Untreated Plot (23 plants weighing 14.3 Kg per 1.69m<sup>2</sup>).**

### Sweet Potato – Known in Portugal as “Batata Doce”

- \* Location of 1.62 hectare (4 acres) field was in Odemira, Portugal.
- \* Each of two (2) Test Plots was 0.81 hectare (2 acres).
- \* Both Experimental Plot & Untreated Plot were planted (seeded) 24 June 2014 (80,000 plants per hectare)
- \* One (1) liter **MicroSoil®** per hectare was applied to the Experimental Plot via drip irrigation on 24 June. No **MicroSoil®** was applied to the Untreated Plot.
- \* Both Plots were harvested on 03 October 2014.



The Experimental Plot treated with **MicroSoil®** showed 23% more yield per hectare (43.1 Ton/ha) than the Untreated Plot without **MicroSoil®** (34 Ton/ha). Also, Experimental Plot treated with **MicroSoil®** showed higher yield with more and heavier tubers (90 tubers weighing 21.57 Kg per 5m<sup>2</sup>) than the Untreated Plot (62 tubers weighing 17.01 Kg per 5m<sup>2</sup>).

## MicroSoil® TRIAL UPDATE – CORN from J&B FARMS, TEXAS



*Sweet Corn Grown with MicroSoil®, August 15*



*Sweet Corn crop harvested on August 16*

J&B Farms in Frio Town, Texas, a major grower of milo (sorghum), feed corn and sweet corn, green beans, broccoli, southern greens, cabbages and winter wheat for some of the largest food chain stores in the US, initiated ongoing **MicroSoil®** trials on their crops in 2015. Excellent results of their first harvest of Sweet Corn and Milo (Sorghum) **Grown with MicroSoil®** were reported in our Mid-Summer 2015 Newsletter. [More results coming.](#)

The August 16 harvest of sweet corn **Grown with MicroSoil®** yielded 5 truckloads (64 rows), while non-treated corn yielded 1 truckload (28 rows), which indicates that the crop **Grown with MicroSoil®** not only produced more than twice the yield, but also sweet corn that was larger and heavier. **As well, the Sweet Corn Grown with MicroSoil® had a 14% increase in BRIX (16.8), over the non-treated corn BRIX (14.8).** Final results of the August harvest are still being gathered, and will be reported as soon as they are in.

In August, J & B Farms is now planting Cabbage, Cilantro, Lettuce, Mustard Greens, and Turnip Greens and treating all crops with **MicroSoil®**.

## NEW MicroSoil® WEBSITE with 20 YEARS of TRIAL ARCHIVES

We are currently updating our website in order to better communicate information about our **MicroSoil® Life Enriching Products** and **TailorMade™ Fertilization Protocols**, and information about our activities around the world. For the convenience of our distributors and growers worldwide, key website pages will be available in multiple languages. *We will launch our new website before the end of 2015.*

The most exciting new feature will be 20 years of **MicroSoil®** trial archives available for anyone to peruse. We currently have catalogued 166 different **MicroSoil®** tests covering 103 different crops from 16 different countries. The archives are growing every day as our distributors, growers and interested research entities continually conduct trials using our **MicroSoil® Agriculture Products** on crops and plants in controlled environment greenhouses and open fields around the world. Here is a sample of what is currently archived:

**166 Different Trials** – Available in English & many also in Spanish, Portuguese, French, Chinese

### **Spanning 20 Years in 16 Different Countries (including 7 states in USA)**

Bangladesh, Belize, Cambodia, China, Costa Rica, Ecuador, Germany, Hungary, Mexico, Portugal, Saudi Arabia, Spain, Sweden, Switzerland, USA (California, Florida, Kentucky, New Mexico, Oklahoma, Texas, Utah), Zimbabwe

### **103 Different Crops**

Agave, Alfalfa, Aloe Vera, Apple, Artichoke, Asparagus, Avocado, Banana, 10-Day-Bean-Test, Green Bean, Long Bean, Mung Bean, Pinto Bean, Sugar Beet, Berries (Blueberry, Raspberry, Strawberry), Broccoli, Cabbage, Chinese Cabbage, Carrot, Cassava, Catch Crops, Celery, Cherry, Cilantro, Cinchona Tree, Coffee, Corn, Blue Corn, Dekalb Yellow Corn, Forage Corn, Hybrid Corn, Sweet Corn, Cucumber, Dutch Cucumber, Cucurbit, Date Palm, Eggplant, Flowers (African Violet, Bromeliad, Hibiscus, Marigold, Snapdragon, Sunflower), Garlic, Grape, Grapefruit, Grasses (Bermuda, Buffelgrass, Kentucky Bluegrass, Kleingrass, Tiff, Turf), Herbs, Jatropha, Landscaping (Box Garden), Lettuce, Melon, Toadskin Melon, Oyster Mushroom, Mustard Greens, Nopal, Olive, Onion, Chinese Onion, Papaya, Peach, Peanut, Pecan, Peppers (Chili, Green Bell, Green Italian, Red Bell, Red Chili, Red Italian, Yellow Goat Horn), Pine Forest, Potato, Sweet Potato, Pumpkin, Radish, Rapeseed, Rice, Sorghum, Spinach, Squash, Butternut Squash, Sugarcane, Tangerine, Tobaccos (Burley, Latakia, Virginia), Tomato, Black Tomato, Cherry Tomato, Green Tomato, Turnip Greens, Walnut, Water Treatment, Watermelon, Seedless Watermelon, Wheat

### **Actual photos of crops worldwide Grown with MicroSoil®**



**Red Peppers**  
**Spain**



**Lettuce**  
**China**



**Butternut Squash**  
**Costa Rica**



**Sugarcane**  
**Mexico**



**Sweet Corn**  
**USA, Texas**

## A LOYAL MicroSoil® USER'S TESTIMONIAL



This testimonial merits a “tee up”. Jim Swartz has been a close friend and loyal believer of **MicroSoil®** for over 15 years now. He has battled throat cancer for about the last 10 years, but most importantly, he has the best attitude and outlook toward life anyone could have, under these conditions. For us, it is wonderful just to have someone like him in our lives, who continues to fight cancer, but has the interest & foresight to recognize a “spark” of life in an old tomato plant. Then he finds the energy to help provide it with the 12-year-old **MicroSoil®** & **PureFulvic™ Trace Minerals** and, of course, a needed nitrogen source using **MiracleGro®**, which we have routinely recommended to those with no organic nitrogen available. We appreciate Jim remembering us and our **MicroSoil®** products these past 15 plus years. *Don D. Haller*

**Below is the Email I received July 17, 2015 from Jim Swartz.**

Hi Don, I always enjoy your newsletters and am still hoping I can get to LV to see you. I have a little story to tell you.

Last year a neighbor, who knows I love tomatoes, bought me 3 different plants. I told her I was not sure I would be able to care for them. She said no worry, whatever happens is OK. I did water them but when I went to see my son for 10 days the neighbor who was supposed to water them didn't do a good job. They didn't recover and produced poor fruit the rest of the year. Also the cat was using the area as a litter box, and had something to do with that. Come December, I had another neighbor cut them off at ground level because they were almost dead from lack of care, because I quit watering them in November.



Come mid-February. I noticed some growth from one of the plant's root stalk. I started watering the plant and didn't start feeding it until it started to show budding in March. I covered the soil with chicken wire to keep the cat out and added a hoop tomato stand. I was just giving it **MiracleGro®** about every 2 weeks. When I started to see the tomato's growing I added about a teaspoon of



**MicroSoil®** every time I fertilized. (By the way, the **MicroSoil®** quart bottle is labeled "2003 source, Adam Drum".) The only watering I do is by pouring about 2 to 3 gallons, every other day, to a 2 ft. sq. area around the original growth. This area is dammed to prevent the water from spreading and producing weeds. I am also watering only in this small area because the plant sprouted from the buried stem and I wanted maximum penetration to this root. I don't know exactly when, but I think about 6 weeks ago I started adding a small squirt, from the trace minerals bottle, every time I fertilize. My only regret is I did not save the tag to know what kind of tomato it is but I know it is a low acid beefsteak type. I am getting so much more fruit this year, all better size, flavor, more uniform color and the plant is HUGE.

I have attached a photo history, which is impressive to me. I have seen how great your products are, over the years, and this is just another example of this. I have never seen a tomato cut off at ground level and start sprouting several months later. This plant is showing no sign of slowing down!  *kindest regards, Jim Swartz*

## AGRICULTURE NEWS FROM AROUND THE WORLD

### **A MUST READ:** Organic Farmers Face Growing Pains as Demand Outpaces Supply

USA Today – August 5, 2015

<http://www.usatoday.com/story/money/2015/08/05/organic-farmersface-growing-pains-demand-outpaces-supply/31116235/>



*“I want to believe in what I’m growing and that’s what organic has done for me. The farm is owned by the Dunham family, but really, the farm owns you,” says Janet Dunham as she packages the morning’s harvest of kale at Grinnell Heritage Farm in Grinnell, Iowa.*

### **Midwest Agriculture Faces Tough Choices**

Prairie Farmer: Inside Illinois Ag – May 2015

<http://magissues.farmprogress.com/PRA/PF05May15/pr003.pdf>

*The EPA’s Chesapeake Bay Model, if imposed on the Mississippi River Basin, might mandate that all 13 states in the basin develop watershed implementation plans covering croplands, not just CAFOs. Both state’s programs are mandatory for all farms exceeding 10 acres and applying manure or commercial fertilizer.*



## SOMETHING TO THINK ABOUT

*“The little world continued to protest that Fulton could never build a steamboat, while the big world flocked to the river banks to see his boat steam by.”*

*Quote about Robert Fulton, inventor of the steamboat*

## LINKS TO OUR WEBSITES AND BLOG



**Agriculture Websites:**

[www.biomasters.com](http://www.biomasters.com)

[www.microsoil.com](http://www.microsoil.com)

**Ethanol Website:**

<http://home.earthlink.net/~test-results2/>

**Blog:**

[Swear To Go Green](#)



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