

Cannabis Cultivator Value

Green-Safe-Solutions products apply innovative nanotechnology to turbocharge a centuries-old sustainable system of nutrient enhancers, pest control and hygienic cleaners. Our proprietary manufacturing process combines processed plant and oil seed extracts at specific intervals, temperatures, and sequences to transform them into submicroscopic colloidal micelles. Trillions of these nanometer-sized particles (one nanometer is one billionth of a meter) are combined to make nutrient enhancers, bio-pesticides and hygienic cleaners that work better and cost less than synthetics. Agrichemicals can be cut back 30% or more and some can be eliminated.



- 🌿 **GreenSafe™ Plant Amendments** release nutrients bound up in any growing medium then maximize their uptake.
- 🌿 **GreenSafe™ Foliar Sprays** function as adjuvant that blends easily with agrichemicals to increase their efficiency. It reduces surface tension improving absorption of moisture and nutrients to increase growth and quality for all crops.
- 🌿 **Hygienic Cleaners** nano sized actives clean better. They replace harsh chemicals because of their nano size. They penetrate deposits to lift them for removal.

Cannabis Cultivator Reports

- 🌿 Home Cultivator Reports PP. 1 - 4
- 🌿 Commercial Cultivator Report PP. 5 - 8
- 🌿 Grower Testimonials P. 9

GreenSafe™ Grow Report

Puna, Big Island Hawaii

Report 2: The grower made two reports. They combine to complete the grower's observations.

Test Program Closing Thoughts

The finished dry flower of all six different plants were impressive. I do notice a stronger fragrance in the flower and room when breaking down some bud to smoke. Very sticky/resinous and loud. The flavor and terpenes of the flower while smoking a joint is very noticeable and I have received numerous compliments.

Details and Photos

Products Tested

- 🌿 Plant Amendment Concentrate
- 🌿 Foliar Spray Concentrate
- 🌿 Cleaner Concentrate

Product Tester

SunnySkies, SunnySkygenetics

IG: @Sunnyfoe20

Growing Environment

- 🌿 Indoor/Grow Tents LED Lighting/Soil Medium
- 🌿 Outdoor/Greenhouse Full Sun/Soil Medium

Nutrients

- 🌿 Indoor - Greenleaf Nutrients Mega Crop
<https://tinyurl.com/32hp6pc2>
- 🌿 Outdoor - Geoflora Organic Dry Nutrients Grow/Bloom
<https://www.geofloranutrients.com/>

Indoor Test Grow Details

Photo Period Cultivars: Florida OG, Acid Dough, Blueberry Rye, Death by Cookies, Chem D, Bubba Kush

The Pictures illustrate the growth and flower cycle of the photo period cultivars using GreenSafe™ Plant Amendment and Foliar Spray.

I did nothing more then follow the provided mixing directions that came with the GreenSafe™ products in conjunction with already existing nutrient program.

I would recommend cutting the suggested mixing amounts to a gallon of water by half for the first few initial uses (Plant Amendment and Foliar Spray) to reduce stress on the growing plants.

GreenSafe™ Plant Amendment was added to my feeding solution every other watering while the Foliar Spray was used twice a week on these plants.

From the seeds sprouting (6 different cultivars) to growing 18" at the shortest and 24" as the tallest took a total of 5 weeks. This is tremendous growth in my opinion and my target height to begin flowering was achieved 10 days sooner when comparing my notes from my previous grows.

I also noticed larger and thicker stems at the base of the plants with very healthy and established root systems when transplanting in larger pots.



Flowering Stage

Foliar Spray was used up to week five of flower.

It should be noted that everyone's environment may be different and that adjustments can easily be made.

My environment indoors here in Hawaii did not accommodate me spraying my plants beyond week five of flower because of the already high ambient temperature and humidity. Understanding the balance within your grow environment is key.

A dryer ambient environment could easily accommodate longer use of the Foliar Spray without creating potential mold and fungal growth.

I did however continue to utilize the Plant Amendment in my nutrient solution every other watering up until week seven flower and beginning the flushing stage of the plants.

Flowers were dense, resinous, and extremely fragrant.

The last week before the harvest really brought out the extra resin and I attribute this to the large and healthy root mass and over all plant health.

Closing Thoughts

The finished dry flower of all six different plants were impressive. I do notice a stronger fragrance in the flower and room when breaking down some bud to smoke.

Very sticky/resinous and loud.

The flavor and terpenes of the flower while smoking a joint is very noticeable and I have received numerous compliments.

I believe the products from Greensafe are Outstanding because of the simplicity and approachability they offer to any experience level.

I appreciate that it is a nutrient enhancer and is compatible with different grow mediums and styles from a small to large applications.

Auto-flower Cultivars: Black Cream, Killer Kush, Cream Mandarin XL

Some examples of Auto Flowering varieties that benefited from the Greensafe Solutions Plant Amendment and Foliar Spray.

Auto Flowering Varieties grow at a extremely fast rate and timing is key. I believe the Foliar Spray during the Auto-flowers Vegetative stage works in harmony with its rapid rate of growth.

Auto-flower varieties also do not like to be over fed and the Plant Amendment helps reduce the amount of nutrients necessary so the plant can utilize the nutrients more efficiently and effectively.

For added grower reports and product details:
<https://www.greensafeworldwide.com/>



CASE HISTORY

Indoor Medicinal Marijuana Cultivation

\$33.95 Product Dollars Returned per Nutrient Enhancer Dollar

Performance Proof

The Cultivation Manager of one of largest medicinal marijuana greenhouses in the U.S. was introduced to the GreenSafe™ Plant Amendment at a trade show. He conducted a short evaluation watering plants in the flowering stage using Plant Amendment. Results were so good the decision was made to purchase product sufficient to conduct an evaluation over an entire 8-week growing cycle.

Evaluation Design

Cuttings were made from the same mother plant sufficient to have ninety test plants and ninety control plants. For details see Table 2 – Evaluation Facts.

Qualitative Analysis

The Cultivation Manager reported:

- ☉ Test plants show significantly more vigorous growth throughout the veg and flower phases, stronger more woody stalks, and far more node sites.
- ☉ Test plants yielded significantly more overall weight due to a greater number of node sites.
- ☉ Increased vigor and growth rate for the treated plants resulted in increased yields and overall THC level.

Quantitative Analysis

- ☉ Trimmed Flower Total Yield >444%
- ☉ Cannabinoids Increased >34%
- ☉ Vegetative Stage was Reduced from 8-Weeks to 7-Weeks for a >14% Production Rate.
- ☉ Fertilizer was reduced 33% for the GreenSafe™ Plant Amendment plants.

End of Evaluation Report

The Cultivation Manager said, “In my half decade of cannabis cultivating, I have never seen an additive or product of any type give me yields increased, growth rate and THC levels the way GreenSafe™ has. After running trials on multiple strains, I have seen a 300% increase in yields, seven days less veg time in the nursery, and at least a 5% increase in THC scores across the board. My GreenSafe™ plants are twice the height and have at least twice the node sites of all control plants, not to mention the insane color, smell, and density improvements. On top of that, I am saving 33% in my nutrient costs. I would highly recommend GreenSafe™ Plant Amendment to anyone looking to step up the quality and productivity of their cannabis operation. I’m a believer, try it, and you will be too.”

Greenhouse Cannabis Evaluation

Product	Plant Amendment (PA)
4.0	ml per gallon treat rate
Daily	Application Frequency
Type	Root Drench
\$220.00	Product Cost/Gal. - 1-Gal. Bottle Price
\$0.10	Daily Application Cost
\$10.50	Labor Cost/Hr.
\$12.67	Total Cost/Application
\$912.24	Total Evaluation Cost
1-Aug-17	Start
17-Oct-17	End
23-Nov-17	Analysis Date
90	Test Plants
90	Control Plants
24	High Temp - °C
19	High Temp - °C
75%	High RH (Relative Humidity)
50%	High RH
6625	PA gm Total Yield
1693	PA gm Trim Loss/Preroll
66	Plant Amendment gm Sift Loss
4866	PA gm Trimmed Flower Total Yield
1610	Control gm Total Yield
391	Control gm Trim Loss/Preroll
124	Control gm Soft Loss
1095	Control gm Trimmed Flower Total Yield
16.50%	PA THC (165.0 mg/g)
0.01%	PA THC V (.1 mg/g)
0.02%	PA DELTA 8 _(THC) (.2 mg/g)
0.16%	PA CBD (1.6 mg/g)
0.02%	PA CBD (.2 mg/g)
0.00%	PA CBD V (.0 mg/g)
0.03%	PA CBG (.0 mg/g)
0.01%	PA CBN (.1 mg/g)
16.75%	PA Total Cannabinoids (167.5 mg/g)
9.00%	PA Plants Moisture Analysis
Mold	Not Detected
Pest	Not Detected
12.44%	Control THC (124.4 mg/g)
0.03%	Control THC V (.3 mg/g)
0.00%	Control DELTA 8 _(THC) (.0 mg/g)
0.00%	Control CBC (.0 mg/g)
0.02%	Control CBD (.2 mg/g)
0.00%	Control CBD V (.0 mg/g)
0.01%	Control CBG (.1 mg/g)
0.00%	Control CBN (.0 mg/g)
12.50%	Control Total Cannabinoids (125.0 mg/g)
9.00%	Control Plants Moisture Analysis
Pest	Not Detected
171.6	oz. Trimmed Total Flower Yield - PA
38.6	oz. Trimmed Total Flower Yield - Control Plants
133.0	Added ounces from PA plants.
\$232.84	\$/oz. Medium Quality (Source - Hyperlink Below)
\$30,963.06	Dollar value of added oz. from PA treated plants.
\$912.24	Total cost of evaluation PA
\$33.94	\$\$ value per dollar of PA cost.

Control Plants

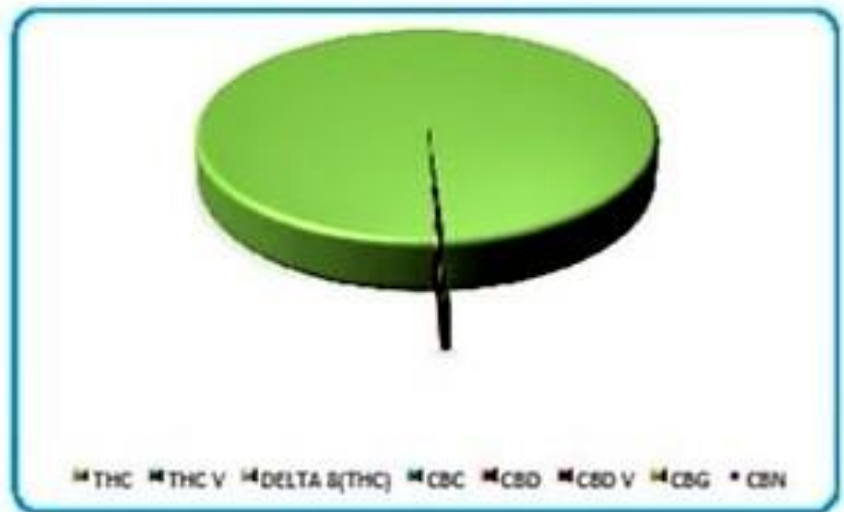
PHYTO CANNABINOID PROFILE

THC	12.44%	124.4 mg/L
THC V	0.03%	0.30 mg/L
DELTA 8(THC)	0.00%	0.0 mg/L
CBC	0.00%	0.0 mg/L
CBD	0.02%	0.2 mg/L
CBD V	0.00%	0.0 mg/L
CBG	0.01%	0.1 mg/L
CBN	0.00%	0.0 mg/L

TOTAL ACTIVE

CANNABINOIDS 12.50% 125.0 mg/L

CBD:THC ratio 0.0 :1



MOISTURE ANALYSIS

9%

MICROSCOPIC INSPECTION

MOLD NOT DETECTED

PEST NOT DETECTED

MICROBIAL TEST-CULTURE

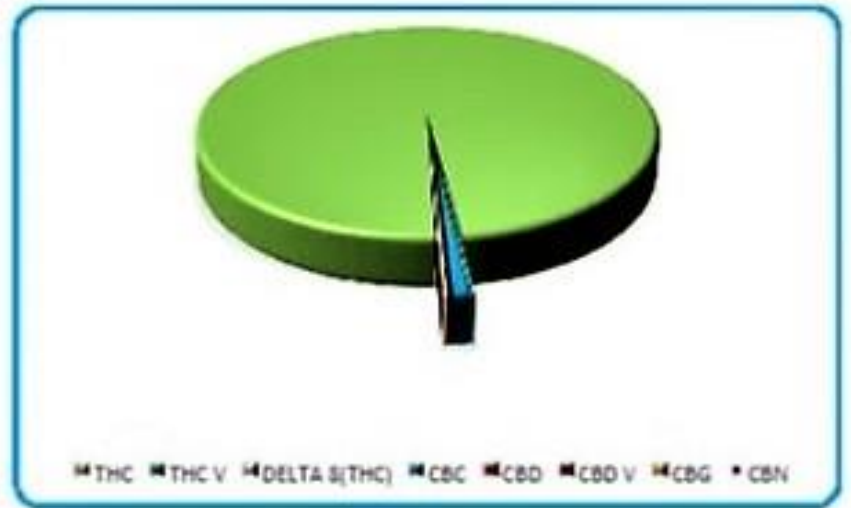
NOT TESTED



Treated Plants

PHYTO CANNABINOID PROFILE

THC	16.50%	165.0 mg/kg
THC V	0.01%	0.10 mg/kg
DELTA 9(THC)	0.02%	0.2 mg/kg
CBC	0.16%	1.6 mg/kg
CBD	0.02%	0.2 mg/kg
CBD V	0.00%	0.0 mg/kg
CBG	0.03%	0.3 mg/kg
CBN	0.01%	0.1 mg/kg
TOTAL ACTIVE CANNABINOIDS	16.75%	167.5 mg/kg



CBD:THC RATIO 0.0 1:1

MOISTURE ANALYSIS

9%

MICROSCOPIC INSPECTION

MOLD NOT DETECTED

PEST NOT DETECTED

MICROBIAL TEST-CULTURE

NOT TESTED



Performance Proof Test Results

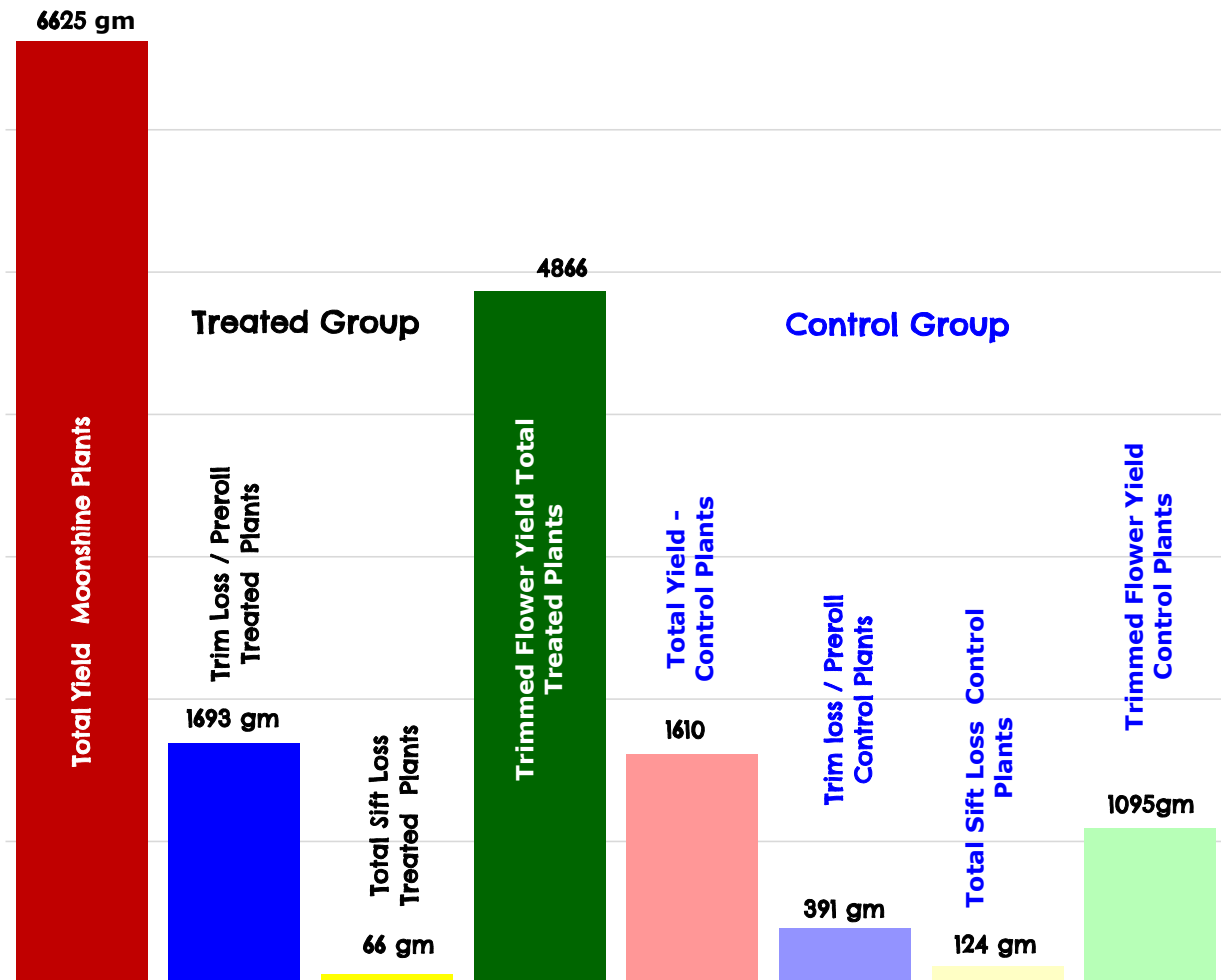


Table Data

Treated Plants Total Yield	6625	1610	Control Total Yield
Treated Plants Trim Loss / Preroll	1693	391	Control Trim Loss / Preroll
Treated Plants Sift Loss	66	124	Control Sift Loss
Treated Trimmed Flower Total Yield	4866	1095	Control Trimmed Flower Total Yield

Table 1 - Increased Yield

Treated Plants Total Yield	6625
Treated Plants Trim Loss / Preroll	1693
Treated Plants Sift Loss	66
Treated Trimmed Flower Total Yield	4866
Control Total Yield	1610
Control Trim Loss / Preroll	391
Control Sift Loss	124
Control Trimmed Flower Total Yield	1095
Yield Multiple	4.4

Table 2 - Improved Quality

	Treated	Control
THC	16.50%	12.44%
THC V	0.01%	0.03%
DELTA 8	0.02%	0.00%
CBC	0.16%	0.00%
CBD	0.02%	0.02%
CBD V	0.00%	0.00%
CBG	0.03%	0.01%
CBN	0.01%	0.00%
Tot. Active	16.75%	12.50%

Notes: (1) Moisture Analysis: 9% (2) Mold: Not Detected (3) Pest: Not Detected (4) Strain: Cheesecake (5) Sample Type: Flower (6) Cannabinoid (mg/g)

Cannabis

Home & Commercial Grower Reports

Marijuana: The Cultivation Manager for one of largest indoor medicinal marijuana growers in the US writes, "In my half decade of cannabis cultivating, I have never seen an additive or product of any type give me yield and growth rate the way this one has. I've seen a 300% increase in yields and seven days less veg time in the nursery. Treated plants are twice the height and have at least twice the node sites of all control plants, not to mention the insane color, smell and density. Plus, I'm saving 33% on my nutrient costs. Test plants show significantly more vigorous growth throughout the veg and flower process, stronger more woody stalks and far more node sites. Test plants yielded significantly more overall weight due to a greater number of node sites. I'm A Believer! Trimmed flower total yield increased >444% - vegetative stage was reduced from 8-weeks to 7-weeks for a >14% production rate improvement. I would highly recommend the product to anyone looking to step up the quality and productivity of their cannabis operation. I'm a believer, try it, and you will be too."

Marijuana: Gilbert P. California. The owner of a multiple location warehouse growing operation is beginning his third year as a Plant Amendment and Foliar Spray nutrient enhancer customer. He says, "I use hydroponic ever-flow system. Since applying Plant Amendment and Foliar Spray I have no plugging and my system is clean. There has been a nutrient uptake increase. My girls are more vibrant. I spray once a week 15 ml per gallon like you said. Works great. I have no problems with white flies, powdery mildew or diseases. It is great preventative product. I have always had great production average of 2.8 lbs. per plant. Now I've noticed better quality weed smell and taste. The smoke is clean. Water tests have come back clean from the lab with no toxins. I have 3 houses. They are 3000 sq. ft. each with 60 lights in each house. I am building another space that will have 100 lights with 10.50 plants per that will hit over 3 lbs. per plant. I am going to apply Plant Amendment continuously in this grow. This is going to be a Power Racking System giving me 2 layers. Now that I have perfected my use of salt-based fertilizers and your nutrient enhancers, I spend about \$4,000.00 per month. Since beginning use of Plant Amendment and Foliar Spray, I have savings from reduction of rates of fertilizer from 20% to 33% just like you said I would. My savings pays for all my Plant Amendment and Foliar Spray. It's a win for me. In all my years of growing I have never seen any plants react as fast as they do now before I applied your nutrient enhancers. I am meeting with a hemp

grower this week to start growing hemp for seed production too, very exciting. I am extremely happy with the results and savings I receive. Than you and your team."

Marijuana: Growing Manager, "My company is a Tier 2 Washington State Legal Marijuana Producer - Processor. I grow and harvest 500-700 plants. My company products are well received by dispensaries. I can sell all the product I grow at the current wholesale market price ranging from \$1,200 to \$1,500 per pound. I am expanding to the 10,000 square foot limit for my license. Plant Amendment and Foliar Spray Testing was a success. 15 minutes after applying Plant Amendment solution to my pots, the plants stood straight up! I've never seen anything work that fast. I He will purchase more product to use Plant Amendment and Foliar Spray on all my plants to increase my yield as I expand.

Marijuana: Adrian N., Ca. who is a 15-year grower, saw results in his aeroponics, high mister, high pressure system in 4-5 days. He reported a lot more roots, stronger shoots were, and new growth budding. He reduced his solution A and solution B one third. Adrian reported, "Everything looks great!". Adrian is a consultant to grower's clubs so told everyone about his results. He also made sure his hydroponics supply store owner knew about the new product.

Marijuana: Lisa N. wrote, "I am beginning my third week drenching my potted plants (Liberty Haze and Maui Wau) with Plant Amendment solution, then misting them with Foliar Spray weekly. The results have been amazing. I have three babies started at the same time as a friend started the same three strains. We use the same nutrients only difference is I use the nutrient enhancers. My plants are 3 times the size and thriving. They look beautiful.

Marijuana: Greenhouse Manger: "I think the Cleaner will be the most successful company product. There's nothing like it out there. Every day, the first thing I do when I get to the greenhouse is spend nearly an hour replacing all the plugged emitters. We have to use new ones plus new pots to start each cycle. The cleaners that work on them are the kind that put us in risk of contaminating our products. Here in Oregon, if State required tests show contamination both the harvest and all the other greenhouse plants have to be destroyed. Then the greenhouse has to pass a State inspection before growing can start again, I left the last bunch of plugged emitters in a pail with diluted Cleaner overnight. The next day I was able to reuse them. And, now I can recycle all of my pots saving the cost of new ones without worrying about contamination."