

2012

The High Class Genetics

Dillon Patterson

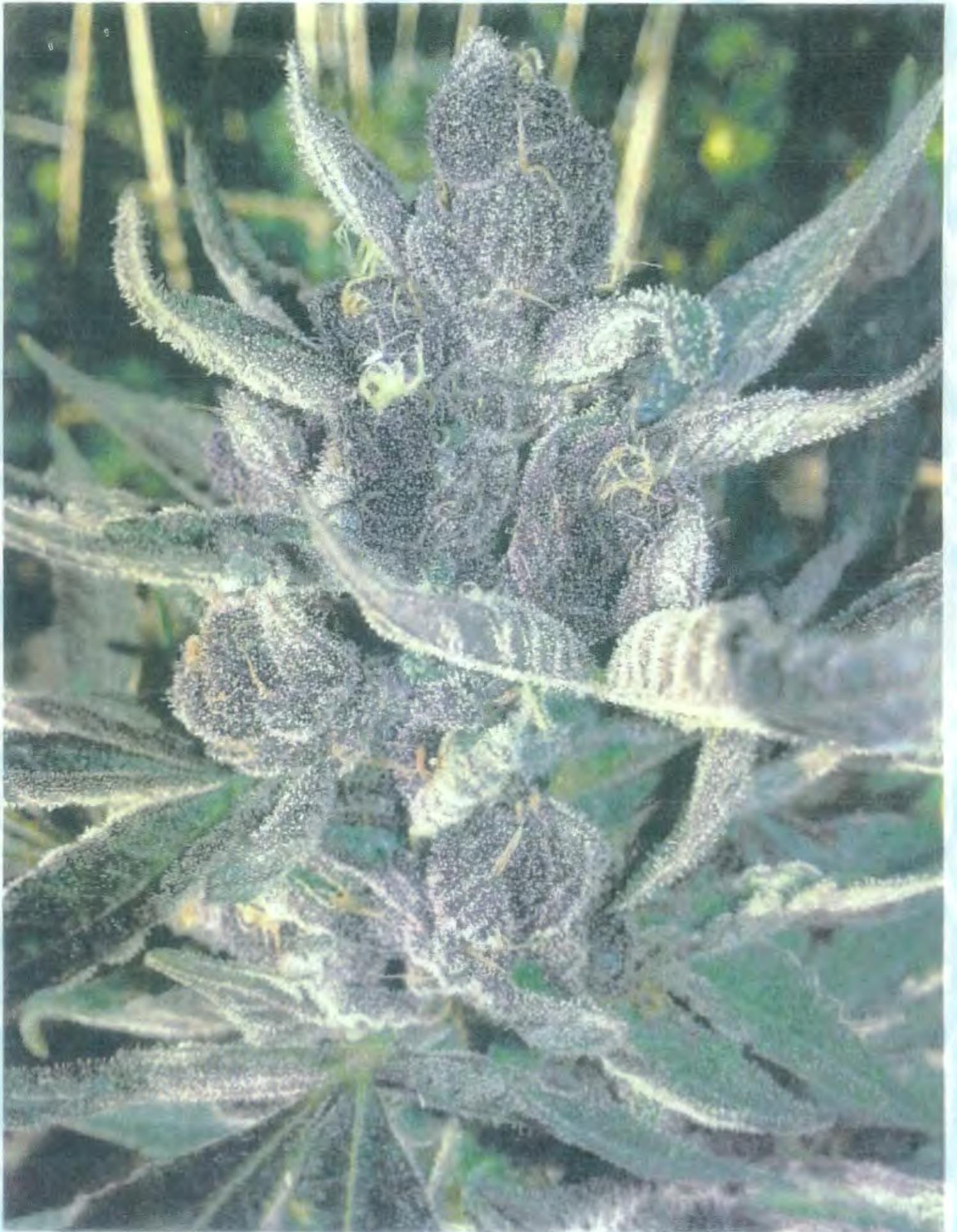
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THE HIGH CLASS GENETICS INC.

A GUIDE TO ORGANIC GROWING USING THE BEST TECHNIQUES AND ORGANIC BREWS TO MAXIMIZE YIELDS BOTH INDOORS AND OUTDOORS TO PRODUCE THE MOST EFFECTIVE MEDICINE FROM THE WORLD FINEST STRAINS FOR ALL YOUR HEALTH NEEDS.



To become a Horticultural Consultant in the areas of indoor, Greenhouse, and organic cultivation. My goal is to make significant contributions that will lead to company profitability and personal career growth. To use my professional experience, current knowledge, and passion for the industry to teach and create high end cultivation Of Medical Cannabis for the use of qualified patients.

EDUCATION

San Clemente High School 2002 Received my High School Diploma.

California State University Fullerton
Bachelor of Arts- Business Administration,

Minor: Civil Engineering
California State University, Fullerton Major Finance Overall GPA 3.0

PROFESSIONAL EXPERIENCE

Emerald Farms — Golden State JV Sept. 2015 - 2017

Consultant - Head of Cultivation

Golden State, completely owned subsidiary of Maple [Raf Green World, a publicly traded, government contracted reforestation company out of Canada. Designed and Managed build out of Cultivation site containing two fully climate-controlled greenhouses complete with light deprivation systems. 2,250 sq. ft. Of vegetative space with 3,000 sq. ft. Of flower. Developed business plan for cultivation operations as well as manage cultivation operations. Operation allows for 3,000 sq. ft. worth of harvest potential every 2 months.

Nutrient Development 2015

Studied Plant health and nutrient development. Obtained skill and ability to create liquid nutrients from raw minerals. Ability to control nutrient specific ppm's, allowing for strain specific nutrient formulations, as well as ability to copy store bought nutrient formulas. This ability cuts nutrient expenses tremendously (up to 90%) allowing for increased margins that scale with large production.

Cannakids March 2014 – 2015 Head of Cultivation Operation

Cannakids is a pediatric cancer foundation dedicated to high end cultivation of CBD medicine for pediatric cancer patients. Beginning in March 2014 I headed both the development and actual production of the cultivation center. This included finding the land, grading layout and infrastructure development to cold frame design, build out, and cultivation. The cultivation site sits on a 20 acre parcel equipped with a 40gpm well. Consists of a 30'x100' cold frame green house, as well as a 45' reefer container for drying/curing. Cold frame design, build out complete with all electrical, automatic irrigation system, light deprivation/supplementation system, air circulation and exchange system, as well as heating system for off season cultivation. Drying/curing Reefer container design/build out complete with climate conditioning, humidity, temp, air movement with both a hanging line and rack system.

American Drug Wars II: Cannabis Destiny - Film Release June 2013

Featured Organic Cultivator

In 2012 I was the featured organic greenhouse cultivator in American Drugs Wars II: Cannabis Destiny. This is a documentary on the Medical Cannabis movement and how essential the plant is to human health and prosperity for oneself and the world. Directed by Kevin Booth, this documentary was shown through Warner Brothers Outlets and many other worldwide media, cable VOD and Internet VOD; Direct Tv, Netflix, itunes, etc. Kevin Booth also produced Showtime documentaries; American Drug Wars and How Weed Won The West.

Organics Alive - January 2012 - Present

Representative

Organics Alive creates organic microbiological products for compost brewing and soil amending. We produce compost brewers, with the highest quality bio-packs, along with Compost and Worm Casting Soil Amendments. We have exclusive Licensing rights on the Vermiculture Composting technology from the US Patent holder and are currently, working with Worm Gold TM, Yields Max Extractors TM, and Organics Alive Compost T M, to create our own industry leading, soil mixes, amendments, and organic compost brewers, along with brew bags(bio-packs) that contain and produce industry leading biology. We farm all of our own Castings in our 100 acre Worm farm containing 15 miles of worm beds. We are continuously looking for ways to increase yields and remove the use of harmful pesticides. We are currently working to be an industry leader in organic cultivation and organic pesticide

Self Employed April 2012 -Present

Consultant

Began collecting cultivation agreements from various collectives. Continued to mother strains in which I continue to produce clones from for these various collectives. Through, networking and continuous experience I learn about and educate myself on new innovations and breakthroughs in the industry. Began consulting on the Design, build and cultivation of various indoor and greenhouse operations. With a Concentration in greenhouse growing, I have learned to produce some of the highest quality product, while keeping overhead costs low. In 2011 I was hired to draft the cultivation plan for Emerald Spectrum in Washington D.C. This cultivation plan was submitted to the state in order to obtain a selective State licensing agreement to cultivate. In 2012 my organic expertise led me to be the featured cultivator of the 2012 Kevin Booth documentary American Drug Wars II: Cannabis Destiny.

Apothecary Genetics Rancho Santa Margarita, Ca 2009-2012

Manager of Grow Operations, Southern California

Apprenticed under Cannabis Cup winner Brett Bogue, along with managing Apothecary's greenhouse operations in Southern California. Managed three 30'x100'greenhouses for three seasons in total. Also, designed, built, and managed a 16 light Indoor grow and mother operation at an exterior location. Apprenticing I obtained extensive knowledge from one of the industry's best, in techniques used to maximize yields such as super cropping, topping, scrogging, and creating "seas of green". Began researching and using organic pesticides to ensure organic cultivation in order to produce the purest medicine. I was introduced to new techniques for harvesting and curing the flowers, as well as conditions needed for the process. Obtaining a complete expertise (tom the first step to the end product. With my time at Apothecary I was able to tune and extend my knowledge to become a true expert in cultivation Medical Marijuana as well as the designing and building of both indoor and greenhouse operations.

The High Class Consulting Inc, San Clemente, CA 2008-Present

Secretary of Board, Grow Manager

Furthered my basic knowledge by obtaining an advanced education in cultivation through various networking and hands on experience. Began working with a soil biologist, Organics Alive, together with my own research in cultivation, I obtained knowledge in creating and maintaining microbiological systems in soil/soilless mediums through the creation of compost brews and teas. Along with the manipulation of ingredients to accommodate the needs of the plant in vegetative versus flowering phases. This is crucial in high end production of pure, organic Medicine. Managed the design, build and cultivation of multiple indoor rooms as well as greenhouses. Began handling high end strains such as Silver Back Gorilla, along with Apothecary's full lineage of high end Cannabis Cup winning genetics. I collected and maintained strains from THC to CBD. This is necessary to cover the many ailments which the different genotypes of Cannabis help. These strains were used as mothers for cloning purposes, from which I produced and rooted countless numbers of clones.

Video uploaded: <https://youtu.be/xu7D9scAy4k> - Talk on Growing Organic

The High Class

Consulting

- 1. Greenhouse build out and design**
 - a. Refurbishments
 - b. Climate control
 - c. Greenhouse and property infrastructure
 - d. Air exchange and movement
 - e. Light supplementation and deprivation
- 2. Cultivation Plan**
 - a. Greenhouse and cultivation layout
 - i. Circulation of crops
 - ii. Cultivation techniques and implementation
 - b. Strains
 - c. Watering and Nutrient regiment
 - i. Wholesale pricing on all organics from Organics alive
 1. Custom to industry Bulk Soil
 2. Soil amendments
 3. Compost brewer and bio packs
 4. Correct biology per growth stage
 5. www.organicsalivegardens.com
 - ii. In House Mineral Nutrient Supplements
 1. Wholesale Nutrient costs based on a customized nutrient regiment per strain.
 - a. Results in close to 90% savings from buying name brand nutrients from hydro stores while receiving relatively same products
 - iii. Plant health diagnosis and corrections
 1. Overfeeding and deficiency corrections
 - iv. Irrigation systems
 - d. Pest Management and control**
 - i. Foliar and systemic
 - e. Oversight and Consultation Of Cultivation
- 3. Harvest and Curing**
 - a. Correct Techniques
 - b. Climate control
 - c. Design and Build out of curing containers
 - d. Monitor cure process

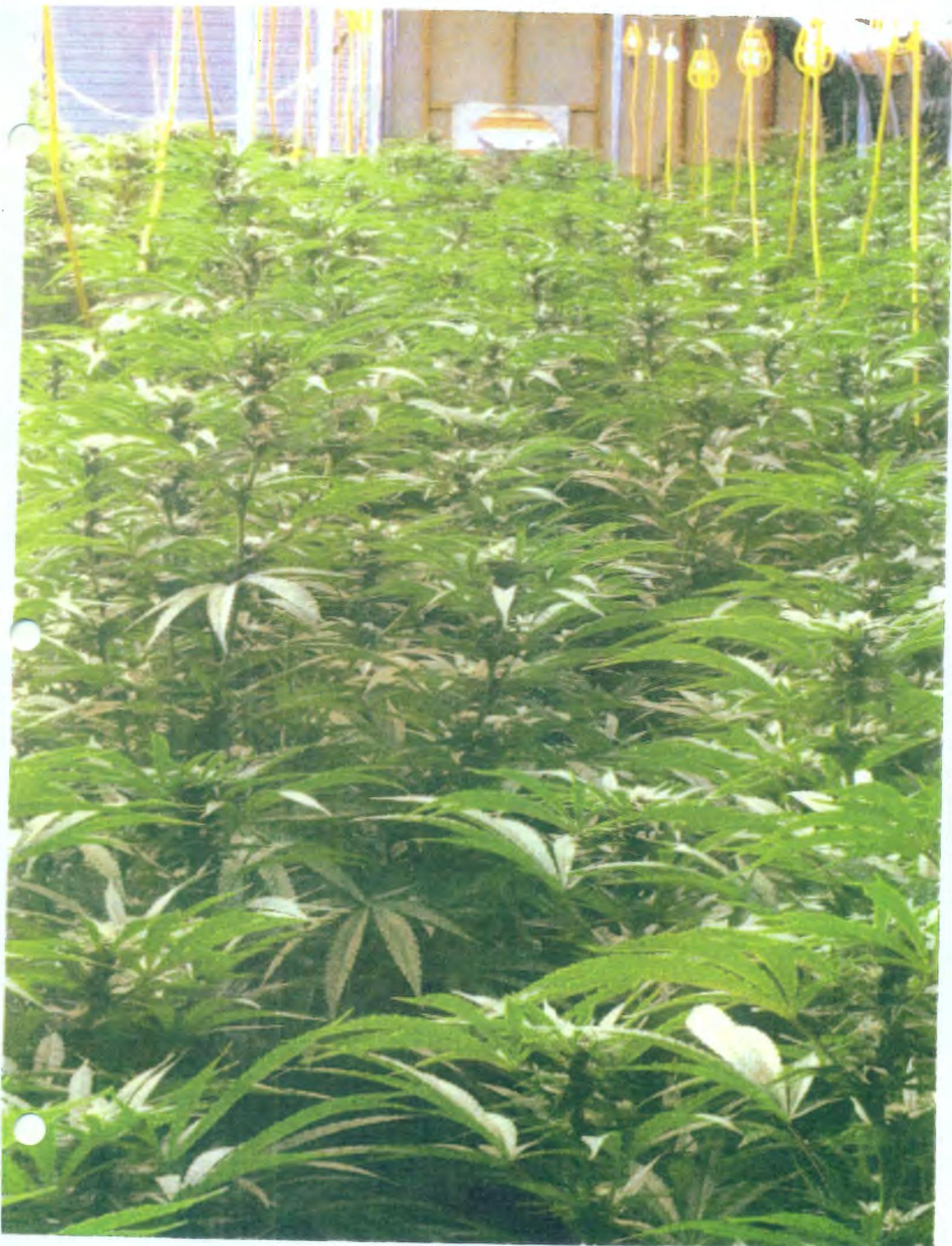
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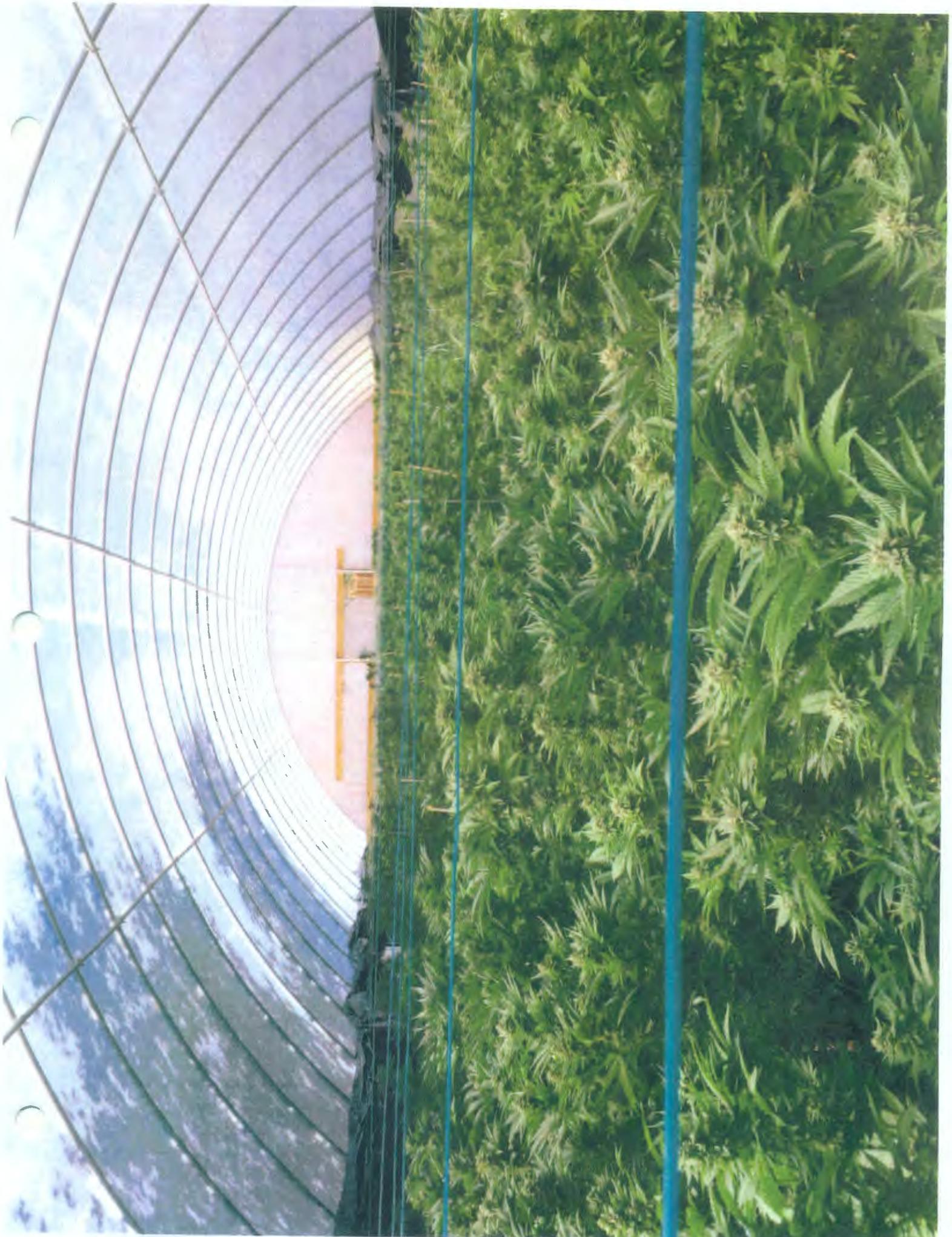
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Video uploaded: <https://youtu.be/xu7D9scAy4k> Growing Organic









CERTIFICATE OF ANALYSIS

SAMPLE INFORMATION



Customer Name: One World Collective
Sample Name: Cookies N Cream StarDawg
Sample Matrix: FLOWER
Sample ID: 10854
Collected: 2017-08-23T10:53:51.000-07:00

CANNABINOID ANALYSIS

TOTAL THC: 25.82%
TOTAL CBD: 0.00%
TOTAL CANNABINOIDS: 26.66%

ANALYTE	RESULT	ACTION LIMIT	ANALYTE	RESULT	ACTION LIMIT
D9THC	14.249 mg/g	N/A	D8THC	Not Detected	N/A
THCa	243.914 mg/g	N/A	CBG	Not Detected	N/A
CBN	Not Detected	N/A	CBD	Not Detected	N/A
CBDa	Not Detected	N/A	CBGa	6.996 mg/g	N/A
THCv	Not Detected	N/A	CBC	1.460 mg/g	N/A
CBDv	Not Detected	N/A			

TERPENE ANALYSIS

ANALYTE	RESULT	ACTION LIMIT	ANALYTE	RESULT	ACTION LIMIT
Limonene	Not Detected	N/A	Delta-3-Carene	Not Detected	N/A
Nerolidol	2.498 mg/g	N/A	Linalool	0.197 mg/g	N/A
Geraniol	0.033 mg/g	N/A	(-)-alpha-Bisabolol	0.264 mg/g	N/A
Gamma-Terpinene	0.022 mg/g	N/A	Ocimene	0.039 mg/g	N/A
Terpinolene	Not Detected	N/A	P-Cymene	Not Detected	N/A
Eucalyptol	Not Detected	N/A	(-)-Isopulegol	Not Detected	N/A
Beta-Pinene	1.705 mg/g	N/A	Alpha-Pinene	0.032 mg/g	N/A
B-Myrcene	Not Detected	N/A	Beta-Caryophyllene	Not Detected	N/A
Alpha-Terpinene	0.019 mg/g	N/A	Alpha-Humulene	0.983 mg/g	N/A
(-)-Guaiol	Not Detected	N/A	Camphene	0.095 mg/g	N/A
(-)-Caryophyllene Oxide	0.005 mg/g	N/A			





CERTIFICATE OF ANALYSIS



CHEMICAL RESIDUE ANALYSIS

ANALYTE	RESULT	ACTION LIMIT	ANALYTE	RESULT	ACTION LIMIT
Acephate	Not Detected	N/A	Acequinocyl	Not Detected	N/A
Acetamiprid	Not Detected	N/A	Aldicarb	Not Detected	N/A
Azoxystrobin	Not Detected	N/A	Bifenazate	Not Detected	N/A
Bifenthrin	Not Detected	N/A	Boscalid	Not Detected	N/A
Carbaryl	Not Detected	N/A	Carbofuran	Not Detected	N/A
Chlorantraniliprole	Not Detected	N/A	Chlorfenapyr	Not Detected	N/A
Chlorpyrifos	Not Detected	N/A	Clofentezine	Not Detected	N/A
Cypermethrin	Not Detected	N/A	Daminozide	Not Detected	N/A
Dichlorvos	Not Detected	N/A	Diazinon	Not Detected	N/A
Dimethoate	Not Detected	N/A	Ethoprophos	Not Detected	N/A
Etofenprox	Not Detected	N/A	Etoxazole	Not Detected	N/A
Fenoxycarb	Not Detected	N/A	Fenpyroximate	Not Detected	N/A
Fipronil	Not Detected	N/A	Fonicamid	Not Detected	N/A
Fludioxonil	Not Detected	N/A	Hexythiazox	Not Detected	N/A
Imazalil	Not Detected	N/A	Imidacloprid	Not Detected	N/A
KresoximMethyl	Not Detected	N/A	Malathion	Not Detected	N/A
Metalaxyl	< LOQ	N/A	Methiocarb	Not Detected	N/A
Methomyl	Not Detected	N/A	MethylParathion	Not Detected	N/A
Myclobutanil	Not Detected	N/A	Naled	Not Detected	N/A
Oxamyl	Not Detected	N/A	Paclobutrazol	Not Detected	N/A
Phosmet	Not Detected	N/A	PiperonylButoxide	< LOQ	N/A
Prallethrin	Not Detected	N/A	Propoxur	Not Detected	N/A
Pyridaben	Not Detected	N/A	Spiromesifen	Not Detected	N/A
Spirotetramat	Not Detected	N/A	Spiroxamine	Not Detected	N/A
Tebuconazole	Not Detected	N/A	Thiacloprid	Not Detected	N/A
Thiamethoxam	Not Detected	N/A	Trifloxystrobin	Not Detected	N/A
Abamectin	Not Detected	N/A	Cyfluthrin	Not Detected	N/A
MGK-264	Not Detected	N/A	Permethrins	Not Detected	N/A
Propiconazole	Not Detected	N/A	Pyrethrins	< LOQ	N/A
Spinosad	Not Detected	N/A			





CERTIFICATE OF ANALYSIS

This report applies to the sample investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. This provides technical results for a specific sample and the report shall not be altered, modified, supplemented, or abstracted in any manner. Any violation of conditions renders the report and its results void.

DATA REVIEWED AND APPROVED BY

Swetha Kaul, PhD



Sample Name: Jesus OG (Hybrid)
 Tested for: One World Collective
 Sample ID: 170726R042
 Date Submitted: 07/26/2017
 Sample Type: Flower

Total Sample Weight: 1 Gram

Cannabinoid Test Results

Cannabinoid analysis utilizing High Performance Liquid Chromatography (HPLC, QSP 5-4-4-4)

Cannabinoid Summary

Total THC	Δ9THC+THCa	25.24 %
Total Potential Δ9THC	223.14 mg/g	22.31 %
Total CBD	CBD+CBDA	0.04 %
Total Potential CBD	0.35 mg/g	0.04 %

Full Cannabinoid Profile

THC	1.41 %
THCa	23.83 %
CBD	ND
CBDA	0.04 %
CBN	ND
CBDV	ND
CBDVa	ND
CBG	0.08 %
CBGa	0.93 %
THCV	ND
Δ8 - THC	ND
CBC	ND

Total Active Cannabinoids: 26.29 %

Pesticide Test Results

Pesticide, Fungicide and plant growth regulator analysis utilizing HPLC-Mass Spectrometry

	Reporting Limit
Acequinocyl	Not Detected 1
Abamectin	Not Detected 0.25
Bifenezate	Not Detected 0.1
Daminozide	Not Detected 0.5
Fenoxycarb	Not Detected 0.1
Imidacloprid	Not Detected 0.2
Myclobutanil	Not Detected 0.1
Paclobutrazol	Not Detected 0.2
Pyrethrins	Not Detected 0.5
Spinosad	Not Detected 0.1
Spiromesifen	Not Detected 0.1
Spirotetramat	Not Detected 0.1

Microbiological Test Results

3M Petrifilm and plate counts for microbiological contamination

Total Yeast and Mold	N/A	E. coli	N/A
Pseudomonas	N/A	Coliforms	N/A
Total Aerobic Plate Count	N/A	Salmonella	N/A

Terpene Test Results

Terpene analysis utilizing Gas Chromatography - Flame Ionization Detection (GC - FID)

	mg/g / %		mg/g / %
α Bisabolol	N/A	α Terpinene	N/A
α Pinene	N/A	Linalool	N/A
3 Carene	N/A	Limonene	N/A
Borneol	N/A	Myrcene	N/A
β Caryophyllene	N/A	Fenchol	N/A
Geraniol	N/A	α Phellandrene	N/A
α Humulene	N/A	Caryophyllene Oxide	N/A
Terpinolene	N/A	Terpineol	N/A
Valencene	N/A	β Pinene	N/A
Menthol	N/A	R-(+)-Pulegone	N/A
Nerolidol	N/A	Geranyl Acetate	N/A
Camphene	N/A	Citronellol	N/A
Eucalyptol	N/A	p-Cymene	N/A
α Cedrene	N/A	Ocimene	N/A
Camphor	N/A	Guaiol	N/A
(-)-Isopulegol	N/A	Phytol	N/A
Sabinene	N/A	Isoborneol	N/A

Total Terpene Concentration: N/A

Residual Solvent Test Results

Residual Solvent analysis utilizing Gas Chromatography - Flame Ionization Detection (GC - FID)

Propane	N/A	Ethanol	N/A
Methanol	N/A	Isopropanol	N/A
Isobutane	N/A	Mercaptan	N/A
2,2-Dimethylbutane	N/A	2-Methylpentane	N/A
3-Methylpentane	N/A	Cyclohexane + Benzene	N/A
Isopentane	N/A	Neopentane	N/A
n Butane	N/A	n Heptane	N/A
n Hexane	N/A	n Pentane	N/A

Sample Certification



Scan to verify at sclabs.com

Josh Wurzer
 Josh Wurzer, President



Cannabakids

Advocating the Use of Cannabis for Pediatric Illness

This grow is governed under a non-profit collective, and is organized under the SB420, and 215 Compassionate Care Act of California. These are CBD plants that are non-psychoactive and used for the treatment of cancer and epilepsy in children.

Before disrupting or seizing these plants please contact our attorney **Ariel Clarke, ESQ** at the Law Offices of Ariel Clarke. She can be reached at her office at **818-784-2700**, or on her cell at **510-508-4643**.



Resurrecting an Old Approach to the Problem of Pests and Disease

The use of high nitrogen chemical fertilizers along with chemical pesticides, fungicides, and herbicides has now become a conventional part of today's agriculture. Research has shown that remnants of toxicity of these chemical applications in commercial crops, turf, and landscaping not only show up in the food we eat, it has also destroyed the natural ability of the plants immunity against disease and pests. This lack of immunity is caused by deficiencies in the root zone soil food web and on the plant foliage which deprive the plant's natural ability to utilize their Fungistatic and Pestistatic nature. (Note) The March 2013 Food Safety meeting reported the glyphosate (Round-Up) residue AMPA levels above 30 ppm (5 ppm is max allowable) and formaldehyde above 200 ppm (3 ppm max allowable for sale as food). These high toxic levels shut down a plants natural exudates and defenses. State and Federal agencies must deal with the health & safety issues from these residues.

The presence and absence of the pestistatic benefits can be seen in the forests pines. The healthy trees that have full needle coverage have no problems with the bark beetles. But pines under distress with less than 30% needle coverage are no longer pestistatic. The bark beetles soon will attack these trees, plant their eggs, the larvae hatches and consumes the cambium killing the tree. But if the full soil biology can be replaced before the attack, the trees will quickly be able to put out a new flush of needles. Once new needles are evident, the health of the tree is such that the pestistatic ability returns to the tree and the beetle will not attack the newly healthy trees. Returning this full soil biology can NOT be achieved with chemical fertilizer.

In the 1950's there were few problems with disease or pests until a high nitrogen approach to raising crops. The problem was very evident the year after beginning use of anhydrous ammonia to add nitrogen. The ammonia vapors are highly toxic, so the tanks that carry the liquid must be filled standing upwind. Shortly after the first application, fungus and pest problems became obvious. Earthworms were a common sight when plowing before using the ammonia but they were gone with spring plowing the following year. Then army worms began to attack the corn as well as root and foliar fungus problems became evident. The beneficial soil biology had been severely damaged and the plants natural ability to handle pest and fungus problems was no longer evident.

With these practices in mind; the new legislation approved, allowing Colorado and the state of Washington the use of recreational cannabis, the problem of inhalation of poisonous chemical pesticide vapors must be clearly addressed. Hydroponic garden stores carry a full array of chemical pesticides that should not be inhaled when vaporized even once. Apples are consistently ranked as having the highest level of pesticides. Eat an apple and less than 10% of the chemical pesticides end in your bloodstream. But burn the peel of the same apple and inhale the vapor then 70% of the pesticide chemical very quickly flows into the bloodstream. "The current medical cannabis supply lacks regulation on plant material preparation, treatment, and processing. Since medical cannabis products are currently grown and prepared by numerous entities subject to no



regulatory oversight, there is a potential risk that toxic levels of pesticide residues may be unknowingly inhaled by patients. Although not yet directly quantified, additional health complications in patients are expected to be a consequence of pesticide exposure.” As quoted by Dr. Jeff Raber from “The Werc Shop.” Dr. Raber has been leading the cannabis lab testing in Southern California and has been a strong advocate for pesticide regulation. Work Done by Raber has shown:

Pesticide	Smoking Device		
	Glass Pipe	No Filters	Triple Filtered Water pipe
Imidacloprid	51.4%	47.6%	15.2%
Permethrin	52.3%	38.9%	8.5%
Bifenthrin	74.8%	60.3%	6.1%
Pyridaben	95.0%	51.6%	4.4%
Cypermethrin	54.0%	41.5%	1.1%
Indoxacarb	15.5%	25.0%	0.7%
t-Fluvalinate	15.5%	10.6%	0.3%
Deltamethrin	25.2%	15.1%	0.4%
Carbaryl	11.4%	14.3%	0.5%
Propiconazole	53.1%	43.4%	11.8%
Acetamiprid	45.6%	41.0%	4.4%
Dicofol	74.8%	64.4%	7.5%
Diazinon	37.7%	40.2%	12.1%
Malathion	38.6%	64.4%	7.2%
Thiamethoxam	57.2%	66.5%	20.4%
Tetramethrin	46.6%	71.9%	8.9%
Bifenazate	54.0%	44.7%	3.7%
Tebuconazol	95.0%	66.8%	7.0%

Use of 25B and no toxic limit pesticides is one approach but does not restore the natural pestistatic and fungistatic benefits available in healthy plants. There is another way to deal with the problem of contamination from chemical pesticides. This approach is to allow plants to utilize their natural Fungistatic and Pestistatic attributes. This is a common practice in splicing specific varieties of a wide array of fruit and nut trees to Fungistatic root stock. The few root stocks that are used for splicing do not kill or suppress root fungus; Fungus just does not grow on these specific root species. Cannabis has similar attributes built within the plant which can be enhanced through optimal root zone and foliar plant health.

Cannabis has testable terpenes that provide natural Fungistatic and Pestistatic attributes: The terpenes in Cannabis have given the plant an enduring natural advantage. Some of these essential oils are pungent enough to repel insects and animal grazers; others prevent fungus according to a September 2011 report by Dr. Ethan Russo in the *British Journal of Pharmacology* that discussed the wide-ranging therapeutic attributes of terpenoids, including several aromatic compounds that figure prominently in cannabis strains.



Organics Alive Products Inc. does not buy product from other companies and resale. We operate the largest and most advanced Vermiculture facility in the world. It consists of over 100 acres of 15 mile worm beds 8ft wide. We have engineered to perfection a **proprietary vegan diet** specially designed and fed to Eisenia Foetida Earthworms. This proprietary diet does not include landscape trimmings due to herbicides and pesticides. We do not use any animal product due to pathogens and their lack of real nutrients and biology.

The Organics Alive Vermiculture diet enhances the beneficial biological values in the worm casting that is secreted by the worm. These enhancements include; 30,000 diverse microbes naturally stored in the casting, concentrated chitin and cellulose recycling organisms, natural growth hormones, amino acids, proteins and micro and macro nutrients; all naturally stored in the casting by the miracle of the earthworm feeding process.

Organics Alive castings and base mix has over **30,000 diverse** beneficial microbial species and communities that include bacteria, fungi, protozoa, ciliates, beneficial nematodes and arthropods. All beneficial microbes have a responsibility for their own stations. Through symbiotic relations and root exudate secretion, the root zone food web becomes alive, efficient, and resilient. Organics Alive solution creates a rhizosphere where **all diverse root and soil stations are working at full capacity** allowing the plant to reach its genetic maximum.

The Bio-Pack

Organics Alive Bio-Pack is an engineered porosity pillow that contains Organics Alive Worm Castings and 16 other carbohydrates, proteins, and proper nutritional ingredients placed for specific and balanced biological development and multiplication. The Bio-Pack is made of a porosity fabric that allows biology to leave the pillow without leaving behind any sediment. This allows a clean microbial rich solution without clogging drippers or tubes as well as a consistent way of brewing beneficial microbes in your grow room. **No cups, spoons, bags, buckets, pumps, tubes and stained dirty equipment!**

Chitin and Cellulose recycling technology:

Organics Alive specializes in the creation and multiplication of chitin and cellulose degrading microbes. These beneficial organisms are imperative in any growing environment. Our microbial rich solution has over 200,000,000 chitin degraders (cfu/dwg) and over 450,000,000 cellulose degrader (cfu/dwg)

Chitin degraders and cellulose degraders are the sweepers of the Rhizosphere. They exude Chitinase and Cellulase enzymes that degrade the cellular structure of microbes. This implies a **non-discriminate** degrading and recycling process of any type of bacteria, fungi, or chitin and cellulose based organism. When this predatory process takes place it leaves beneficial and pathogenic microbes helpless, and therefore they are consumed by other competitors. The microbes that were consumed have nutrients stored in the vacuole of their bodies. This nutrient is then released when the consuming predator exudes its waste. This waste is a chelated form of nutrients with natural growth hormones, amino acids and proteins. Chelated nutrients take the least amount of energy by the plant to absorb and are not sensitive to ph. This rapid nutrient facilitation process allows your plants to grow at their genetic maximum and optimal health.

The Bio-Extractor

The Organics Alive Bio-Extractors are designed and engineered specifically for the extraction of the Organics Alive Bio-Packs. The Bio-Extractor is the future of Biological extraction. This is not a conventional compost tea brewer. The patented internal structures, cavitation process, and diffuser are engineered and fabricated for a revolutionary Fluid Dynamics Extraction process.

There are several extensive differences that set us apart from a conventional compost tea brewer. The first element is the Oxygen Diffuser. The Diffuser is a Teflon material specifically chosen and fabricated due to its ability to self-seal, barring any biology from penetrating and attaching itself to the diffuser. The coarse and fine bubbles are made to extract the biology from the Bio-Pack then feed oxygen to grow aerobic beneficial Microbes. The patented chimney holds the Bio-Pack at a specifically tested and engineered level for perfect cavitation. These advancements allow an extraction process which multiplies the Bio-Pack Microbes 9 billion times in 24 hours. This means that one gallon has enough beneficial microbes in it to amount to one pallet of Organics Alive worm castings.





Organics Alive Premium Mix

Organics Alive Premium Mix is a rich soil amendment that includes pure worm castings, vegetable compost, fossilized kelp Kelzyme and powdered volcanic rock mineral. These ingredients provide optimal balance of biological growth and long term supplementation of soil nutrients.

Organics Alive Worm Castings are CDFA CCOF certified organic and all natural. They provide an earth friendly option besides toxic and damaging chemical fertilizers and smelly organic manures. Worm castings are a by-product of Red Wiggler Earthworms. Organics Alive Earthworms consume a pure vegan diet creating a casting that is 7-10 times more powerful than conventional compost. It is rich in NPK, micronutrients and beneficial soil micro-organisms. The high porosity, and water holding capability, greatly increases the moisture-retaining capacity of your garden, drastically reducing your water usage.

One of the ingredients in Organics Alive Premium Mix is fossilized kelp. This supplies calcium, which is responsible for rapid cell structure to encourage vigorous growth and a robust garden; it also helps to push salts below the root web reducing salts build up and balancing osmotic pressure. Osmotic pressure reflects the absorption of nutrients. If the pressure falls resulting from excess salts, the roots will lock up and plants will suffer. Fossilized kelp also supplies the soil biology with needed potassium and phosphorus to feed the plant when necessary.

Organics Alive Premium Mix also includes very accurate measurements of powdered volcanic rock mineral. Powdered volcanic rock contains all the necessary levels of minerals and micronutrients to help assist plant needs and sustain a nutritional balance in the root zone. Organics Alive placed a very small amount of these minerals to feed the biology, which then is carried to the root system. This results in sustaining a balance through the entire life of the crop.

Organics Alive Premium Mix also contains pure vegetable compost. Worm castings have a hydrophobic layer. When water is added to worm castings directly, it will not penetrate the casting. Research shows when adding a layer of compost or mixing compost with worm castings two effects will take place: Pure vegetable compost will hold moisture to begin the removal of the hydrophobic layer. When this layer is dissolved by moisture, the compost blend will immediately begin to feed the biology within the worm casting. This feeding frenzy will begin the biological growth within the soil. Vegetable compost along with kelp and volcanic rock will be used as food sources to continually feed the biology for sustaining long term soil and plant benefits.

Organics Alive Premium Mix can be used for all your houseplants, lawns, vegetable gardens, trees!

Usage:

Soil: Mix 25% with soil

Coco: Mix 15%

Existing Gardens: Add a 1 inch layer to the drip line of plant and soak with water





Coco coir, pith, nut, (Organic)

Berger Peat moss, course (Certified Organic)

Pure vegetable compost, (Certified Organic by CDFA)

Organics Alive Premium Mix, (Certified Organic CDFA)

Humus and Vermiculture Bed Run (Certified Organic CDFA)

Composted forest humus

Perlite

Coco chips

Lava rock

Pumice

Langbeinite

Seabird guano

Bat guano

Feather meal

Kelp meal

azomite

Gypsum

Humic/fulvic acid

Greensand

Alfalfa meal

Fossilized kelp Kelzyme

Volcanic Rock Mineral

Dolomitic calcitic lime

Treated with Organics Alive Microbial Rich Solution, for balanced biological growth, enhanced Chitin and Cellulose Degrading organisms, and over 30,000 diverse organisms (.25 gallons per yard)

