-NEW-

Increase Terpenes + Cannabinoid Output

TERPS PLUS

TERPS PLUS is a fertilizer enhancer specially formulated and tested as a solution to drive increased cannabinoid output and terpene production. By encouraging rapid plant nutrient uptake, **TERPS PLUS** promotes and optimizes plant growth, and plant health, crop quality and yield potential.

BE THE FIRST TO TRY
TERPS PLUS!

Contact:
mlhsales@ecologicallabs.com

CHLOROPHYLL SYNTHESIS

Increased Chlorophyll output offering greater photosynthetic efficiency.

PLANT GROWTH

Increased season-long whole-plant vegetative and reproductive growth.

FLOWERING GROWTH

Increased final dry bud weight and yields of cannabinoids and terpenes.

Learn More:
MicrobeLifeHydro.com/TerpsPlus

Follow Us On Instagram:
@MicrobeLifeHydro

MADE IN THE USA

POPSELLTERP

TERPS PLUS Benefits

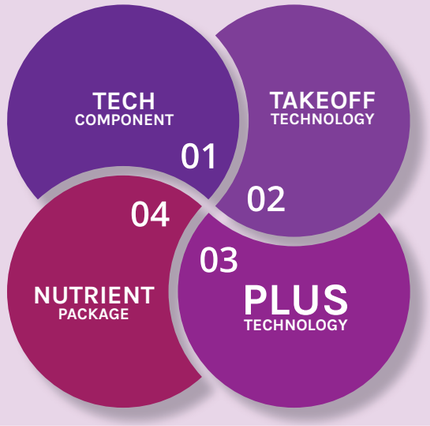
- Terps Plus is a Cannabis proven suite of technologies, custom formulated and built on technologies sold across thousands of acres of high value specialty crops
- Increased Chlorophyll output offering more photosynthetic energy
- Increases plant nutrient uptake, utilization and delivery
- Increased season long whole plant vegetative and reproductive growth
- Promotes plant health and stress tolerance
- Optimizes flowering, size and cannabinoid concentration
- Increased final dry bud weight and yields of cannabinoids and terpenes

TERPS PLUS Mode Of Action

- Chlorophyll Enhancer offering the plant more energy
- Plant growth turbo charger
- Enhanced Cell division
  - Late Season Ethylene degradation mitigation
  - Increased new bud growth
- Sulfone Organic sulfur
- Nutrient Package
  - 0-0-1
  - Micronutrients

01

TECH COMPONENT
Drives Chlorophyll synthesis, increase in Chlorophyll content as well as increasing the resistance of plants to Cold stress, Low light, Salt stress

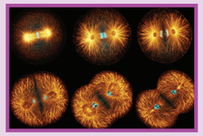


02

TAKEOFF TECHNOLOGY
Increase the efficiency of the Glutamate synthase Pathway – drives Nitrogen uptake and carbon cycle –›Energy & Proteins

A turbo for your plant!

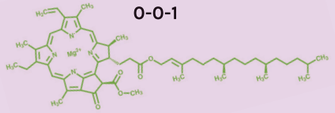
03



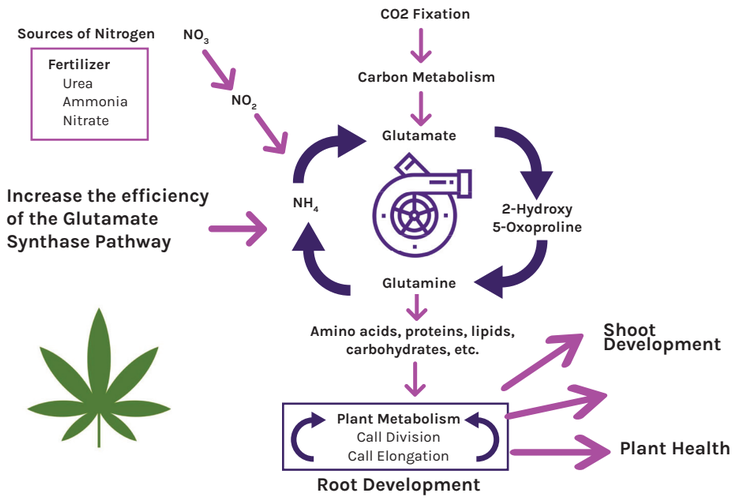
PLUS TECH
***PATENTED, TRADE SECRET**
Auxiliary bud growth up regulator, is a Cytokinin precursor; which drives cell division, bud growth, root development

04

NUTRIENT PACKAGE
0-0-1



TERPS PLUS Mode Of Action Visualized



Summary – proven and tested technology demonstrating >5x ROI across multiple varieties and grower standard practices

Category	Expected range in high production environment	Average all 3 trials	Low to High Range all 3 trials
Dry Bud Weight	+1.5% to +3.0%	+2.2%	-0.7% to +4.6%
THC	+6.0% to +10.0%+	+9.5%	+1.5% to +15.3%
Terpenes	+10.0% to +15.0%+	+19.8%	+10.7% to +27.7%
CBDs	+5.0% to +10.0%+	+76%	+76%

- Won 9 / 10 Categories vs. Grower Standard Practice (GSP)

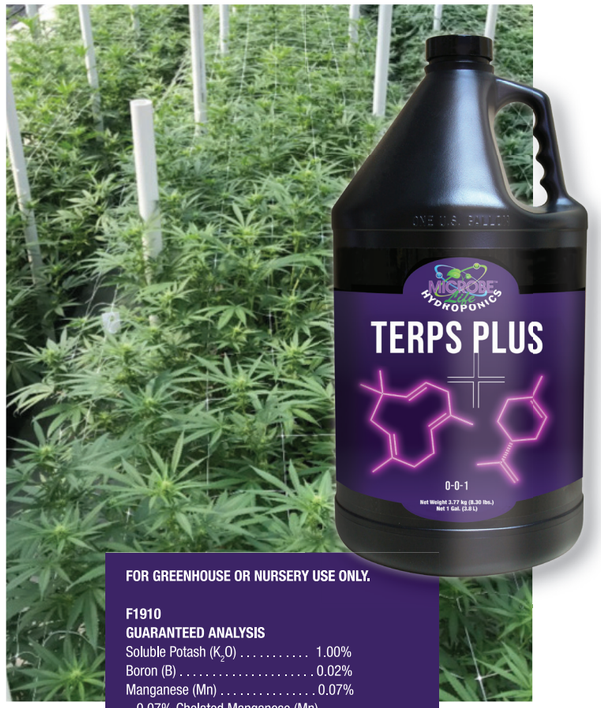
3rd Party Trial Results - Sunset Sherbery Variety

	GSP	TERPS PLUS	% Change
THC (Delta 9)	152.00	168.50	10.9
THC-A	6.70	6.40	-4.5
Total mg/g	158.70	174.90	**10.2**
Alpha-Pinene	377	435	15.5
Camphene	116	132	13.9
Beta-Pinene	547	633	15.7
Beta-Myrcene	2,477	3,220	30.0
Limonene	2,700	3,262	20.8
Linalool	1,101	1,332	21.0
Fenchyl Alcohol	238	270	13.1
Alpha Terpineol	353	404	14.2
Beta-Caryophyllene	2,267	2,773	22.4
Elemene	924	1,124	21.6
Alpha-Humulene	732	916	25.2
Trans Nerolidol	357	423	18.4
Guaiol	656	751	14.5
Total ug/g	12,845	15,675	**22.0**
bud dry weight (gr)	172.37	180.30	**4.6**
GSP = Grower standard Nutrient package			

- Performance across High trial variance: 3 grower standard practices (GSPs), 3 delivery system approaches, 3 varieties
- Expected to deliver high value to the grower as part of standard nutrition system

APPLICATION RATE & DOSAGE

Week	Weekly Application Rate Per Plant
1	1 mL TERPS PLUS 250 mL water
2	2 mL TERPS PLUS 250 mL water
3	3 mL TERPS PLUS 250 mL water
4	4 mL TERPS PLUS 250 mL water
5 and 6	2 mL TERPS PLUS 500 mL water
7, 8, 9, and 10	1 mL TERPS PLUS 500 mL water
11, 12, 13, and 14	0.5 mL TERPS PLUS 500 mL water



FOR GREENHOUSE OR NURSERY USE ONLY.

F1910
GUARANTEED ANALYSIS
Soluble Potash (K_2O) 1.00%
Boron (B) 0.02%
Manganese (Mn) 0.07%
0.07% Chelated Manganese (Mn)
Zinc (Zn) 0.07%
0.07% Chelated Zinc (Zn)

Derived from potassium nitrate, potassium hydroxide, boric acid, manganese EDTA, and zinc EDTA

Information regarding the contents and levels of metals in this product is available on the internet at http://www.aapfco.org/metals.html

This Product Does Not Contain Microbes

Learn More:
MicrobeLifeHydro.com/TerpsPlus

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Terps Plus Application Rate and Dosage

In previous trials Terps Plus has been applied as an addition to a grower standard nutrient program, according to the following timings, volumes and concentrations.

Assuming a 14-week standard nutrient application program (adjust accordingly if longer or shorter fertigation program).

A total of 20 mL of Terps Plus concentrate is to be applied per plant over the growing season. More Terps Plus early in the grow cycle builds the cannabinoid capacity.

The Terps Plus concentrate is diluted into DL water to enable appropriate moisture content in the growing container (adjust accordingly to reduce waste).

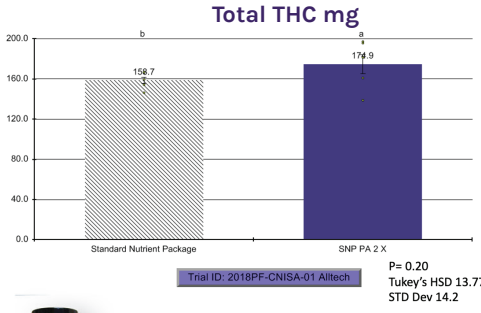
A weekly hand drench if automation is not available.

Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	total ml	total fl/Oz
mL of concentrate per application per plant	1.0	2.0	3.0	4.0	2.0	2.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	20	0.676
mL of diluted mix per week per plant	250	250	250	250	500	500	500	500	500	500	500	500	500	500	6,000	203
weekly % of total application	5%	10%	15%	20%	10%	10%	5%	5%	5%	5%	3%	3%	3%	3%	100%	
cumulative application %	5%	15%	30%	50%	60%	70%	75%	80%	85%	90%	93%	95%	98%	100%		

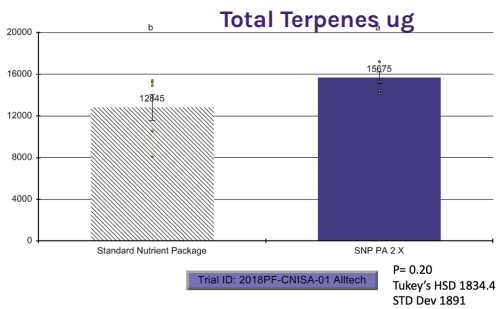
***Alternative Dosage Rates:**

- 1 mL per Gallon of water
- 5 mL per 5 Gallons of water

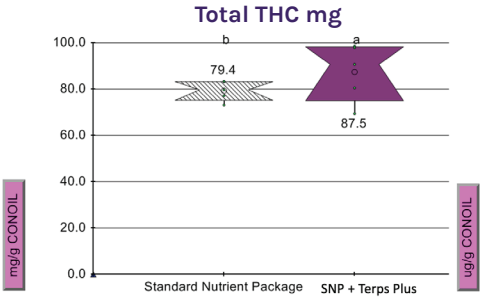
Trial # 1 additional information



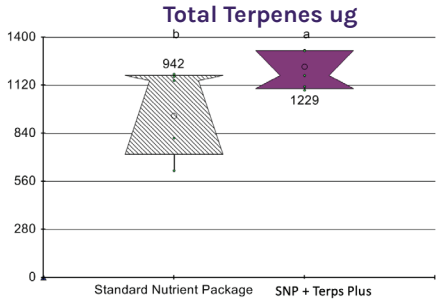
P= 0.20
Tukey's HSD 13.77
STD Dev 14.2



P= 0.20
Tukey's HSD 1834.4
STD Dev 1891



CV = 9%
P value = 0.1456
HSD = 6.88



CV = 13%
P value = 0.0772
HSD = 141

Increased Output Of Glutamate Synthase

Crop	NO_3 Uptake µm/gfwt	Leaf NO_3 µm/gfwt	Leaf Protein mg/gfwt	Chlorophyll µg/gfwt	CO_2 Fixation $um/m^2/s$	RGR mg/g/d	Whole plant gfwt
Oats Cont	5.8	115	6	996	13.5	298	8.9
Oats Trtd	11.5	59	8.8	1386	20.4	342	16.3
% Change	**198%**	**51%**	**147%**	**139%**	**151%**	**115%**	**183%**
Tobacco Cont	7.2	69.5	4.6	832	8.9	226	18.95
Tobacco Trtd	11.3	22.8	6.9	1211	14.9	268	39.5
% Change	**157%**	**33%**	**150%**	**146%**	**167%**	**119%**	**208%**

Los Alamos greenhouse pot trial demonstrated Take Off technology delivered strong results

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