

# BIO520

## WHAT IS IT? OVERVIEW

**BIO520** is an all-natural, chemical free, essential liquid mineral nutrient for optimal plant cultivation. It is formulated to work as an overall growth enhancement product or can be used as a standalone feeding system in the ground.

**BIO520** is based on the deep body knowledge of plants developed over centuries across Southeast Asia and by using non-chemical agricultural practices. By extracting some of the very best minerals in the world from the lush and rich mountain ranges in Japan along with advanced cutting-edge biophysics technology to process the formula to the highest degree available,

***BIO520 is one of the most advanced, truly organic compounds your plants will ever experience. And it will show.***

**BIO520** is a complex mixture of over 100 veganic compounds, natural micro organisms, humic acids, amino acids, raw materials, diatomaceous material, vitamins, plant enzymes, marine extracts, and natural oil elements. Free of any animal products or manure.

***BIO520 essentially uses nutrients from  
MOTHER NATURE for MOTHER NATURE.***

By returning to the organic source of PLANET EARTH, **BIO520** provides the trace elements and micro organisms that remind the plant of its true potential without the tricks of manure and herbicides to falsely grow your crops. You may think you can fool MOTHER NATURE, but the plant itself knows what it wants and needs to produce the best results that it can.

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## BENEFITS

### WHAT YOU CAN EXPECT

Extensive testing with US Cannabis farmers provides evidence that **BIO520** helps to promote rapid absorption of high performance nutrients from seed germination through flower harvest. Repeated scientific studies prove that this natural and proprietary formula provides your crop with all the elements it requires for an optimal lifecycle from Seed to Sale at an affordable cost.

Documented results show not only faster seed germination, but also faster clone and root development and faster teen plant development. Resulting in at least a one week overall reduction in veg time. In flower, greater bulk and stem growth, increased stacking and bud sites and overall larger, denser and healthier buds. Not only are yields higher, by 35% to 50%+, but with the accelerated plant growth, less water is consumed per pound of Flower.

***Simply put, **BIO520** provides an all natural approach for a healthier overall plant with a shorter, more robust growing cycle that produces higher yields.***

Lab results also reveal that **BIO520** significantly reduces the uptake of chemicals and toxins into your plant. It barriers the plants absorption of heavy metals, arsenic, insecticides, fungicides and other contaminants. It is highly effective in dissolving these toxins and breaks down nutrients into their most bio available form, in whatever medium you are growing in. A healthier more robust plant provides a better defense against pests and diseases and has an increased terpene profile, more trichomes and a higher THC rating. **BIO520** treated plants also have a longer shelf life, up to 40% longer.

***All measurable levels of the plants quality is increased putting more profit into your business.***

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## HOW DOES IT WORK? THE SCIENCE

Not only does [BIO520](#) provide some of the best essential minerals on the planet for natural growth and enhancement, it also uses energy created thru a new proprietary biophysics state of the art technology.

***This state-of-the-art process increases the plants uptake providing an easier and faster way to irrigate than most conventional feeding systems.***

Let me explain.

[BIO520](#)'s technology is based on a composition of acoustically pulverized minerals that are soluble in water. These minerals have been selected for their overall ability to improve the performance of plants and are finely atomized to a specific granule/particle size using acoustic technology (supersonic sound waves). Through the supersonic shock wave process, extreme dehydration subjects the minerals to impart a natural energy field that creates an electromagnetic energy charge once water is added. Plants magnetically recognize this “Terahertz energy” and at a cellular level rapidly draw this energy and its feed contents up and into its structure. This energy is transported throughout the entire plant system along with the essential minerals it wants and needs for optimal nutrition.

This energy also creates a natural protection for the plant's overall health. Through its process, [BIO520](#) blocks the uptake of chemicals and toxins and shields these residues that have accumulated in the surrounding soils or mediums. This ability to effectively create a barrier and dissolve contaminants has been tested at a leading Food and Safety Laboratory and has also been documented on its effects on re-mediating overall soil conditions for future farming. Labs including SC Labs (Science of Cannabis) tested harvested plants using [BIO520](#) against more than 400 chemicals and toxins. In every case the lab reports confirm the samples tested showed “below scientific detectable levels” of heavy metals, arsenic, insecticides, fungicides or any other chemicals or other contaminants.

***A well-fed plant produces a more robust harvest, high in medicinal content and void of a toxic profile.***

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## HOW TO USE

BIO520 is produced in a liquid form and is used at a 1 part BIO520 to 1000 parts irrigation (fertilizer) solution.

***BIO520 is an overall essential uptake additive.***

By adding BIO520 to your irrigation solution, you will not need to make any other changes to your existing irrigation process to get the desired increased benefits that many Cannabis growers in the US have already had. Having said that, it can ultimately replace all of the current additives you may be using. If you're in any way uneasy about totally removing all your current additives and shifting to BIO520, not to worry.

BIO520 works with your plants natural characteristics and is not impacted by any other products that you are currently using or that may still exist in the soil or medium. In fact BIO520 can enhance the system you are currently using and help the plant uptake your products while blocking and shielding out any toxins that may be present.

For best results we recommend removing all animal derived fertilizers from your irrigation solution and replace with BIO520.

BIO520 can be used as a foliar spray, mixed at 1/1000 ratio.

Benefits:

- Promote rapid plant growth
- Bring wilted plants back to strong vigorous plants
- Control PM
- Great beneficial to your IPM regimen.

***All these benefits come at a low-cost ratio for your overall production and bottom line.***

BIO520 can be mixed at a ratio of 1 to 500 for rapid seed germination and rooting

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Below is a chart estimating Return on Investment and how many gallons you would need per 100 plants, an increase in revenue based on yield increase, and an overall increase in net revenue by year. Revenue is based on \$15 wholesale per 1/8 of flower sold. Doesn't include revenue from sugar leaves. Your pricing may vary.

How many plants do you put in a room?	100											
What is your average lbs of flower harvested per room?	12											
What do you sell an 1/8 of flower for?	\$ 15.00											
How many rooms do you have?	1											
How many cycles per year?	5.78											
Water consumption for a cycle (Gallons)	3887											
Amount of product needed in Veg (Gallons)	0											
Amount of product needed for foliar sprays (Gallons)	0.02											
Amount of product needed in Flower (Gallons)	1.17											
Cost of Product in Veg	\$ 64.19											
Cost of Product in Flower	\$ 200.14											
		<b>ROI</b>			<b>Yearly Cost</b>			<b>Increase in Revenue</b>				
		Ratio 1:										
		1000	500	3000								
		Veg w/ Foliar										
Price per lb of flower less distro and packaging	\$ 1,820.00	Veg Only	spray in	Veg-Flower	Cost per year	Veg w/ Foliar	Cost per year	Increase in Net	Veg w/ Foliar spray	Increase in Net	Grams	
Revenue per room pre Bio 520	\$ 21,840.00	ROI	Flower	ROI	Veg Only	spray in Flower	Veg-Flower	revenue by increase	in Flower	revenue by increase	Per Plant	
Increase in Revenue less cost of Bio 520 w/10% more yield	\$ 1,919.67	2991%	2991%		\$ 371.01	\$ 371.01	\$ 1,527.81	in yield (per yr veg		\$ 11,095.71	of Flower	
Increase in Revenue less cost of Bio 520 w/15% more yield	\$ 3,011.67	4692%	4692%		\$ 378.43	\$ 378.43	\$ 1,558.37	only)	\$ 12,252.51	\$ 18,564.27		54.5
Increase in Revenue less cost of Bio 520 w/20% more yield	\$ 4,103.67		6393%	1552%	\$ 386.00	\$ 386.00	\$ 1,589.54		\$ 12,252.51	\$ 24,876.03		59.9
Increase in Revenue less cost of Bio 520 w/30% more yield	\$ 6,287.67			2379%		\$ 393.72	\$ 1,621.33	\$ 24,876.03	\$ 24,876.03	\$ 37,499.55		62.7
Increase in Revenue less cost of Bio 520 w/40% more yield	\$ 8,471.67			3205%			\$ 1,653.75					65.4
Increase in Revenue less cost of Bio 520 w/50% more yield	\$ 10,655.67			4031%			\$ 1,686.83					70.8
												76.3
												81.7

Available in

- 1 GALLON
- 5 GALLON
- 55 GALLON DRUM
- 275 GALLON TOTE
- 330 GALLON TOTE

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## CERTIFICATIONS AND STUDIES

### CERTIFIED BY

WORLD VEGETABLE CENTER (WVC)  
MIYAZAKI NATIONAL FOOD SAFETY (JAPAN)  
ENVIROCANN  
OMRI  
JAPANESE RESEARCH CENTER (ISO 17025 accredited laboratory)  
SC LABS (SCIENCE OF CANNABIS)

### STUDIES AND TESTS BY

JIM SWITZER	CO FOUNDER	POLARIS MMJ, LAS VEGAS
ERIC N.	CEO	MEDICINAL LEAVES OF RELEAF
JUSTIN BENNETT	CULTIVATION	AGNETIX, CA
TROY ROBINSON	BIZ DEVELOPMNET	AGNETIX, CA
CHIP PAUL	OWNER	OKLAHOMIANS FOR HEALTH
ROBERT FULLER	CEO	OWASSO ORGANICS, OK
RAYME MYERS	CO FOUNDER	THE HEMP INITIATIVE, OK
BRUCE PERLOWIN	CEO	HEMP, INC., OR
ALI RASHAAD	GM	WEST COAST RED BARN FARM
ROSS MARROSO	OWNER	CANNABIS GROW, MI
TUCKER CORRIVEAU	OWNER	EVERGREEN EXTRACTS, CO
K. "DIRT" MOFATT	MASTER GROWER	CAN NA SUN GROW MORE, CO

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## CONTACT LIST AND MEDIA SITES

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WEBSITE  
INSTAGRAM  
FACEBOOK  
OTHER