

HEMP

CANNABIDIOL (CBD) OIL PRODUCTION

Hemp production methods for cannabidiol (CBD) oil vary from production methods for seed or fiber. Hemp production for CBD oil requires more intensive management strategies to maximize CBD oil production.



1

BOOST SOIL HEALTH

Rapidly-Dispersing Humic Acid Granules

Hemp production for CBD oil requires intensive management and is often grown in plastic mulch. Whether grown for CBD, fiber or seed, hemp does not thrive in saturated soils, making soil health an essential part of hemp production. Revolutionary in the industry, Humic DG™ 70% humic acid granules dissolve into the soil upon contact with liquid, providing in-season availability that increases CEC, conditions soil, and aids root and plant health. Using the same Dispersing Granule (DG) Technology, Black Gypsum DG® provides humic and gypsum in one product to loosen tough soils, while also providing calcium and sulfur to the crop.

PRODUCT	ANALYSIS	DESCRIPTION	APPLICATION RATE
*Humic DG™	70% humic acid derived from leonardite	Contains fulvic acid, humic acid, and humin	5-10 lbs/acre in-furrow or sidedress; up to 100lbs/acre broadcast
*Black Gypsum DG®	10% humic acid with calcium and sulfur	70% calcium sulfate dihydrate - 17% Ca and 13% S	100-500 lbs/acre broadcast

*OMRI certified - Please contact us for a full listing of our OMRI certified products.

2

FEED THE ROOTS, FEED THE PLANT

Liquid Nutrition for Seeding or Transplant

Hemp seedlings require adequate nutrition at the beginning of the season, otherwise production will be compromised. PureGrade® Diamond paired with MicroCarb® will efficiently deliver key nutrients and fulvic acid to hemp seedlings.

PRODUCT	ANALYSIS	DESCRIPTION	APPLICATION RATE
PureGrade® Diamond	Multiple	100% orthophosphate low-salt, chloride-free liquid fertilizer	5 gal/acre or use 1% of total solution for transplant
MicroCarb®	0.1 B, 0.5 Mn, 0.75 Zn	Fulvic acid enriched with zinc, manganese, and boron	1-4 pts/acre

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MAXIMIZE VEGETATIVE GROWTH

Optimized Nutrition for Early Season Growth

Minimizing stress is essential; otherwise hemp plants increase tetrahydrocannabinol (THC) production, often over legal limits. Feeding essential nutrients will prevent the plant from scavenging, allowing it to focus its energy on maximizing yield, while keeping THC production at bay. Nitrogen, potassium, sulfur, boron and manganese are essential at the early vegetative stages. The combination of Over Pass® 22-0-2 and Bean Maker will safely deliver these nutrients in available forms to the plant. Including Phosfix® in the tank will also help plants overcome stress, allowing for maximized CBD production in the reproductive stages and maintenance of low THC levels.

PRODUCT	ANALYSIS	DESCRIPTION	APPLICATION RATE
Over Pass® 22-0-2	22-0-2 + 1.0 S, 0.5 B (25% SRN)	Contains slow release nitrogen, sulfur, and boron	1-2 gal/acre/application
Bean Maker	3-0-15 + 1.0 Mn, 0.25 B	Source of potassium, manganese, and boron	1-2 gal/acre/application
Phosfix®	7-4-9 with micros and trace humic and fulvic acid	An early season foliar designed to relieve plant stress	1-2 pts/acre/application



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FEED THE FRUIT

Liquid Nutrition for Maximum Fruit Fill

Managing the crop during the reproductive stages is critical to producing CBD oil. Prior to flowering, a suite of nutrients is required to maximize CBD production. The combination of Korrect® and MicroNourish® Fe will provide the required magnesium, manganese, iron, nitrogen, phosphorus, and potassium for the hemp crop to thrive. Adding UltraMate® LQ to this application will help satisfy the needs of this carbon-loving crop.

PRODUCT	ANALYSIS	DESCRIPTION	APPLICATION RATE
Korrect®	3-0-20	Highly available mild form of liquid potassium	1-8 qts/acre/application
MicroNourish® Fe	4-0-0 + 3.0 S, 0.25 B, 1.0 Fe, 3.0 Mn, 2.0 Zn	Micronutrient package	1-3 qts/acre/application
UltraMate® LQ	0-0-3 + 1.0 S	12% liquid humic acid	0.5-3 gal/acre/application

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PROTECT THE PLANT

Pest and Disease Control

The Andersons' products are designed to be added to your crop protection sprays. Always jar test for compatibility.



The program outlined by The Andersons is a general guideline based on nutrient requirements of hemp. Consult a qualified individual/institution for further guidance on incorporating these products into your fertilizer program. The Andersons is not responsible for tetrahydrocannabinol (THC) levels in hemp production where one or more of a product produced or sold by The Andersons was applied.



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The rates provided here are general. Specific recommendations must be made based on soil and tissue analyses. Always jar test for compatibility.

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