

OREGANIC GROWN CERTIFICATION

Certification Seal/Logo:



Mission Statement:

100% OREGANIC GROWN certifies sustainable, earth-friendly hemp production methods to protect environmental and consumer health.

Requirements for Certification:

- Requirement 1 = Legal compliance.
 - Producer has to have a license to produce and sell hemp in the state of production.
- Requirement 2 = Review of plant cultivation methods and handling plan
 - The producer is required to submit a cultivation plan that details what types of fertilizers and pest control methods are used when growing their hemp crop. A handling plan must be submitted that details pesticide prevention during harvest, trimming, drying, processing, packaging and storage.
- Requirement 3 = Inspection and training
 - One of our inspectors meets the producer team and tours the operation. The inspector reviews our certification rules with the producer and trains them on basic stewardship practices.
 - **Other services offered at inspection:
 - The inspector can train the producer on our recommended applicator safety techniques for spraying
 - The inspector can train the producer on our recommended IPM strategies
 - The inspector can provide cultivation consulting services. (Fertilizer program, irrigation practices, tillage, trellising, pruning advice, disease prevention, etc.)

OREGANIC GROWN CERTIFICATION

- Requirement 4 = Lab Testing
 - The producer is required to show NEGATIVE pesticide residue results for their product being sold. One of our approved labs will take a random sample. The sample will be tested for an extended pesticide list that is more comprehensive than what most State health authorities require. Currently approved labs are Pixis labs and Synergistic labs. If a positive result is found for any of the pesticides on our list, the producer can have another sample tested by the other compliance lab. If both tests are positive, then the producer will be denied certification and cannot sell their product with our seal/logo.

Cost:

- For base 100% Oreganic Grown certification
 - We charge \$5,000 per year and per site. The producer must pay in full prior to the first site visit. If a producer has more than one site, certification fees for each additional site will be \$4,500.
- For our agricultural consulting services (pest management/cultivation advice)
 - We charge \$5,000 for our recommended cultivation and IPM program. Includes a list of bio-pesticides and use rates. Also, includes a fertilizer program. We can also answer questions by phone and visit the site if needed. We charge \$100 per hour, beyond the \$5,000, for time and travel when doing site visits for consulting services.
- Applicator safety Training
 - We train the producer's staff on sprayer safety and how to calibrate a sprayer. We also give them documentation that they can use as a reference. \$3,000 per training.
- Research
 - Our team has extensive experience conducting both residue and efficacy field trials on conventional crops. In cooperation with producers and compliance labs, we can perform both field and lab experiments. If you are interested in testing your technologies on hemp, contact us for more info. We generally charge on a per treatment basis. Costs will be higher if crop destruction is required.

Oreganic Grown Certification Rules and Standards:

Cultivation Rules:

- The term "Oreganic Grown" can only be used by operations that are inspected by an Oreganic Grown inspector, comply with Oreganic Grown rules, have a valid Oreganic Grown certificate, and have signed a contract for rights to use the "100% Oreganic Grown" seal/logo.
- The producer must comply with all federal and state laws and regulations setup for hemp producers.
- The producer must have distinct, defined boundaries for the grow operation.
- Producer must take proactive steps to prevent contamination from adjoining land uses and neighbors.
- Producers must implement an Oreganic cultivation plan, with proactive fertility management systems; conservation measures; and environmentally sustainable, weed, disease, and pest management practices.
- Producers must monitor the operation's management practices to assure compliance with Oreganic Grown cultivation rules and the approved cultivation plan

OREGANIC GROWN CERTIFICATION

- Producers can use natural inputs and/or approved substances on the Oreganic Grown “Allowed materials or Allowed Pesticide” List, provided that application of the inputs is implemented in accordance with product label instructions.
- No use of prohibited substances (Any pesticide not on the Oreganic Grown “Allowed materials or Allowed Pesticide list”)
- No use of sewage sludge or irradiation.
- When commercially available, the producer must use seeds that were grown using Oreganic Grown certification standards.
- If the producer is propagating with seed, the seeds cannot be treated with prohibited materials, such as synthetic insecticides and fungicides.
- Producer must propagate using clones that were grown using the standards of Oreganic Grown certification
- Producers must maintain or improve the physical, chemical, and biological condition of the soil, minimize soil erosion, and implement soil building crop rotations.
- Fertility management must not contaminate crops, soil, or water with plant nutrients, pathogens, heavy metals, or prohibited substances.
- Producers must prevent commingling on split operations (the entire operation does not have to be converted to Oreganic production, provided that sufficient measures are in place to segregate Oreganic from non-Oreganic operations and production inputs).
- No residues of any of the “Oreganic Grown prohibited substances” can be found in the sample that is tested by the compliance lab.
- Producers must keep records of all pesticide and fertilizer applications.

Rules for harvest, handling, and storage:

- Producers must implement an Oreganic handling plan.
- Producers must use harvest and trimming tools/ equipment that are cleaned with an organic cleaner prior to use
- No commingling or contamination of Oreganic products during processing or storage with non Oreganic products.
- Producers must use proactive sanitation techniques during drying, handling and storage.
- Producers must take steps to protect Oreganic products and packaging from contamination, if pesticides are used in the processing facility.
- Producers must not use packaging materials that contain fungicides, preservatives, or fumigants.

Certification Approval:

- After an operation has been inspected, the inspection report along with the operation’s cultivation plan will be reviewed for compliance to the Oreganic Grown cultivation rules. The producer’s handling plan will also be reviewed for compliance with Oreganic Grown rules for harvest, handling and storage. If the inspection results in compliance, then the lab will do a pesticide residue test on a random sample after harvest. If all aspects of the operation have been determined to be compliant to the Oreganic Grown cultivation rules and the lab tests come back negative, the operation will receive notification of successful certification.

OREGANIC GROWN CERTIFICATION

Certification Denial:

- When Oreganic Grown Inc. has reason to believe that an applicant for certification cannot comply with Oreganic Grown cultivation rules, a Notice of Non-Compliance will be sent to the applicant. The Notice of Non-Compliance will include a description of each item of non-compliance and the date by which the applicant must correct or rebut the non-compliance, if correction or rebuttal is possible. If corrective actions or rebuttal are adequate to resolve the compliance concern, certification will be granted.
- If corrective action is not adequate to resolve the non-compliance, then the certification request will be denied with no refund of fees paid. Applicants denied certification can reapply at any time or they can request mediation. Mediation will be paid for by the applicant.
- If Oreganic Grown Inc. has reason to believe that an applicant has made false statements on the application or misleading statements regarding compliance to the Oreganic Grown cultivation rules, the application may be denied immediately with a Notice of Non-Compliance.

Continuance of Certification

- To continue using the Oreganic Grown seal, a producer must pay annual certification fees and update their cultivation plan with any changes and resubmit to Oreganic Grown Inc. After fees are paid the Oreganic Grown inspection team will review the operations inspection plan for compliance with Oreganic Grown cultivation rules. A site visit will be scheduled with the producer for an annual checkup on operations. A post-harvest sample will then be taken by the lab for the yearly pesticide residue screening test. If all aspects of the operation have been determined to be compliant to the Oreganic Grown cultivation rules and the lab tests come back negative, the operation will receive notification of successful certification for another year.

Aptitude:

- The Oreganic Grown staff are trained according to Oreganic Grown cultivation rules and have expert knowledge of good laboratory practice standards implemented by EPA to reduce pesticide residues in crops. Inspectors are also trained in the USDA National Organic Program regulations.

Confidentiality:

- All information submitted to Oreganic Grown Inc. is kept confidential. No information about applicants or certified operations is shared or redistributed.

ORGANIC GROWN CERTIFICATION

Prohibited Substances List:

**Synthetic herbicides	** Synthetic fungicides	** Synthetic Insecticides	** Synthetic fumigants
** Synthetic nematicides	Aerosols	benzimidazoles	thiophanates
dicarboximides	triazoles	pyrimidines	pyridines
piperazines	imidazoles	acylalanines	oxazolidinones
butyrolactones	morpholines	piperidines	spiroketalamines
phosphorothiolates	dithiolanes	carboxamides	hydroxy(2-amino-) pyrimidines
AP - fungicides (Anilino-Pyrimidines)	QoI-fungicides (Quinone outside Inhibitors)	PP-fungicides (PhenylPyrroles)	quinolines
AH-fungicides (Aromatic Hydrocarbons) (chlorophenyls,nitroanilines)	heteroaromatics	MBI-R (Melanin Biosynthesis Inhibitors - Reductase)	MBI-D (Melanin Biosynthesis Inhibitors – Dehydratase)
hydroxyanilides	polyoxins	phenylureas	Qil - fungicides (Quinone inside Inhibitors)
benzamides	cyanoacetamideoximes	Dinitrophenyl crotonates	Pyrimidinone hydrazones
2,6-dinitroanilines	isoxazoles	isothiazolones	phthamic acids
benzotriazines	benzenesulfonamides	pyridazinones	phthalimides
chloronitriles (phthalonitriles)	sulphamides	triazines	quinones
guanidines	dithiocarbamates and relatives	Aryloxyphenoxy propionate (Fop)	Cyclohexanediones
Phenylpyrazolin	Imidazolinones	Sulfonylamino-carbonyl triazolinones	Sulfonylureas
Pyrazole	Triazolpyrimidines	Triazolones	Dinitroanilines
Benzoic acids	Carboxylic acids	Picolinic acid	Phenoxy
Phenyl-carbamates	Triazines	Triazinones	Uracils
Benzthiadiazoles	Nitriles	Ureas	Thiocarbamates
Inhibitors of EPSP synthesis – Group 9 Herbicides	Inhibitors of glutamine synthetase – Group 10 Herbicides	Triazole	Isoxazolidinone
Aryl triazone	Amide	Chloroacetamides	Pyrazole
Benzofuranyl alkylsulfonate	Semicarbazone	Bipyridyliums	Benzopyrazole
glyphosate	Cyclodiene Organochlorines	Phenylpyrazoles	DDT
Chloropicrin	Sulfoximines	Butenolides	Mesoionics
Borates	Fluorides	Alkyl Halides	Chloropicrin

OREGANIC GROWN CERTIFICATION

Flonicamid	Nereistoxin Analogues	Uncouplers of oxidative phosphorylation via disruption of the protein gradient	Inhibitors of mitochondrial ATP Synthase
Phosphides	Tetronic and Acid derivatives	Cyanides	Diamides
Oxadiazines	Mitochondrial complex III electron transport inhibitors	Mitochondrial complex II electron transport inhibitors	Mitochondrial complex I electron transport inhibitors
Mite growth inhibitors	Benzoylureas	Buprofezin	Semicarbazones
Methyl Isothiocyanate generators	Pyrifluquinazon	Pymetrozin	Strychnine
Fenoxycarb	Pyriproxyfen	Cyromazine	Diacylhydrazines
Neonicotinoids	Avermectins	Milbemycins	Amitraz
Pyrethroids	Carbamates	Sulfonylurea herbicides	Calcium chloride
Arsenic	Permethrins	Nicotine	Sodium fluoaluminate
Nicotine sulfate	Organophosphates	Spinosyns	Methoxychlor

** Synthetic compounds include any product formed through a chemical process by human agency, as opposed to those of natural origin.

- Sources/information on active ingredients of prohibited substance types:
 - <http://www.frac.info/docs/default-source/publications/frac-code-list/frac-code-list-2017-final.pdf>
 - <http://www.ira-online.org/documents/moa-classification/>
 - [http://www1.agric.gov.ab.ca/\\$department/deptdocs.nsf/all/prm6487](http://www1.agric.gov.ab.ca/$department/deptdocs.nsf/all/prm6487)

ORGANIC GROWN CERTIFICATION

Allowed Materials List:

Fertility Materials:	Crop Production Aids:	Disinfectants and Sanitizers:
Animal meal products	Soap-based herbicides	Alcohols
Compost-organic animal manure based	Sodium carbonate peroxyhydrate – as herbicide	Ethanol
Compost- organic plant matter based	Sucrose octanoate esters	Isopropanol
Guano	Hydrated lime	Chlorine materials
Seaweed	Elemental sulfur	Calcium hypochlorite
Vermicompost products - organic sources	Ethylene gas	Chlorine dioxide
Vitamins – non-synthetic origin	Fulvic Acids	Sodium hypochlorite
Lignin sulfonate	Agar-agar	Copper sulfate
Molasses - organic	Bentonite	Hydrogen peroxide
Humic Acids	Diatomaceous earth	Peracetic acid
Aqueous potassium silicate	Perlite	Soap-based algicide/demossers
Magnesium sulfate	Enzymes	Citrus cleaners
Liquid fish products	Kaolin	
Carrageenan	Sodium bicarbonate.	
Calcium carbonate	Sodium carbonate	
Calcium chloride	Waxes	
Calcium sulfate	Activated charcoal	
Magnesium sulfate – non-synthetic only	Chlorine materials	
Microorganisms	Wood products - untreated	
Food grade bacteria, fungi	Elemental sulfur	
Nitrogen—oil-free grades	Lime sulfur	
Potassium chloride	Horticultural Oils	
Potassium iodide	Insecticidal Soaps	
Organic Teas	Sticky traps/barriers	
Plant based fertilizers	Pheromones	
*ANY OMRI Listed Fertilizer	Sucrose octanoate esters	
	Fixed coppers	
	Copper sulfate	
	Hydrogen peroxide	
	Peracetic acid	

* <https://www.omri.org/omri-lists/download>

OREGANIC GROWN CERTIFICATION

Allowed Pesticide List:

- *The pesticides on this list are allowed active ingredients. It is recommended that producers only use products that are approved for use on hemp by the manufacturer of the product.*

Active Ingredient:	Pesticide Type:
AZADIRACTIN	INSECTICIDE, NEMATICIDE
BACILLUS AMYLOLIQUEFACIENS	FUNGICIDE
BACILLUS PUMILUS STRAIN	FUNGICIDE, PGR-GROWTH STIMULATOR
BACILLUS SUBTILIS	BIOLOGICAL FUNGICIDE
BACILLUS THURINGIENSIS	INSECTICIDE
BEAUVERIA BASSIANA	INSECTICIDE
CANOLA OIL	FUNGICIDE, INSECTICIDE
CAPRYLIC ACID, CAPRIC ACID	HERBICIDE
GARLIC OIL	INSECTICIDE
SOYBEAN OIL	INSECTICIDE
PEPPERMINT OIL	INSECTICIDE
CAPSAICIN	INSECTICIDE
ROSEMARY OIL	INSECTICIDE
MINT OIL	INSECTICIDE
CASTOR OIL	INSECTICIDE
CHITOSAN	PLANT GROWTH REGULATOR
CHROMOBACTERIUM	INSECTICIDE
CINNAMON OIL	INSECTICIDE
CITRIC ACID	HERBICIDE, INSECTICIDE, FUNGICIDE
THYME OIL	INSECTICIDE
SESAME OIL	INSECTICIDE, HERBICIDE
CLOVE OIL	INSECTICIDE, SLUG CONTROL
GERANIOL	MITICIDE
NEEM OIL	FUNGICIDE, INSECTICIDE
TEE TREE OIL	FUNGICIDE
CITRONELLA OIL	MITICIDE
COTTONSEED OIL	INSECTICIDE
LEMONGRASS OIL	MITICIDE
SPEARMINT OIL	MITICIDE
POLYHYDROXY ACIDS	PLANT GROWTH REGULATOR
COPPER OCTANOATE	FUNGICIDE

ORGANIC GROWN CERTIFICATION

CYTOKININS	PLANT GROWTH REGULATOR
GIBBERELIC ACID	PLANT GROWTH REGULATOR
IBA (INDOLE-3-BUTYRIC ACID	PLANT GROWTH REGULATOR
DIATOMACEOUS EARTH	INSECTICIDE
HARPIN PROTEIN	PLANT GROWTH STIMULATOR
HOMOBRASSINOLIDE	PLANT GROWTH REGULATOR
HYDROGEN DIOXIDE	FUNGICIDE
PEROXYACETIC ACID	FUNGICIDE
HYDROGEN PEROXIDE	DISINFECTANT, FUNGICIDE, ALGAECIDE
PEROXYACETIC ACID	FUNGICIDE, ALGAECIDE
IRON PHOSPHATE	SLUG BAIT
ISARIA FUMOSOROSEA	INSECTICIDE
JOJOBA OIL	FUNGICIDE, INSECTICIDE
KAOLIN	FUNGICIDE, INSECTICIDE
LINSEED OIL	INSECTICIDE, FUNGICIDE, MITICIDE
METHARHIZIUM ANISOPLIAE STRAIN F52	BIOLOGICAL INSECTICIDE
MINERAL OIL	INSECTICIDE
MONO- AND DI-POTASSIUM PHOSPHITE	FUNGICIDE
SALTS OF PHOSPHOROUS ACID	FUNGICIDE
MONOPOTASSIUM PHOSPHATE	FUNGICIDE
MYROTHECIUM VERRUCARIA	NEMATOCIDE
POTASSIUM BICARBONATE	FUNGICIDE
POTASSIUM SALTS OF FATTY ACIDS	INSECTICIDE, MITICIDE
POTASSIUM SILICATE	FUNGICIDE, INSECTICIDE
ELEMENTAL SULFUR	FUNGICIDE, INSECTICIDE
REYNOUTRIA SACHALINENSIS	FUNGICIDE
CORNMINT OIL	INSECTICIDE
STREPTOMYCES GRISEOVIRIDIS	FUNGICIDE
STREPTOMYCES LYDICUS	FUNGICIDE
SUCROSE OCTANOATE ESTERS	INSECTICIDE, MITICIDE
CORN OIL	MITICIDE, INSECTICIDE, FUNGICIDE
TRICHODERMA ASPERELLUM	FUNGICIDE
TRICHODERMA GAMSII	FUNGICIDE
TRICHODERMA HAMATUM	FUNGICIDE
TRICHODERMA HARZIANUM RIFAI	FUNGICIDE
TRICHODERMA VIRENS	FUNGICIDE