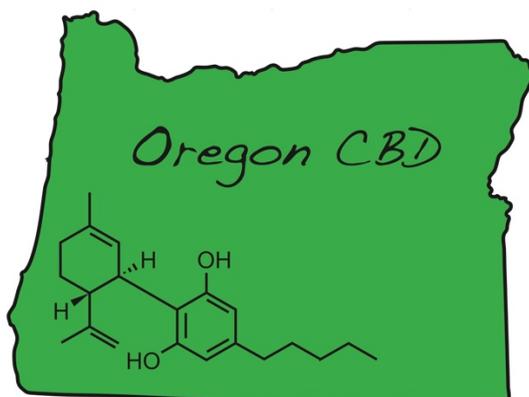


Frequently Asked Questions (FAQ)



*Industrial Hemp Seed
Research and Development*

Please take a few minutes to familiarize yourself with this document. In addition to the information in our white papers, farm calculator spreadsheet, and quickstart guide, this always-evolving FAQ is meant to serve as the first-line to general questions farmers may have. Seth and Eric both receive a steady stream of inquiries from around the world every day and we are collectively working to minimize those by consolidating information in this document. Help us help you be successful this year and into the future by consulting these questions before emailing or calling.

Ordering

Q: Is there a minimum order?

A: Yes. There is a 5k total minimum seed order, and a 1k minimum per variety. This amounts to roughly 2.5 acres. Under no circumstances will we sell less. Please don't ask!

Q: Do you sell to home growers?

A: No. We are legally obligated to only sell to individuals or companies who hold a state issued, Farm Bill compliant industrial hemp license or registration.

Q: How much are your seeds?

A: \$1 each for CBD seeds; \$2 each for CBG seeds.

Q: Can I get a discount if I order xxx billion seeds?

A: No. The price is the same regardless of your scale. It's our way of helping to keep the playing field as level as possible as our new industry establishes itself.

Q: Can I pre-order....(insert CBG, CBDV, CBC, CBGV, etc.) or get on a waiting list?

A: Sorry, we do not offer pre-orders for any variety we are sold out of or has not been released yet. We do not use a waiting list! Farming is highly variable, even when done in controlled indoor conditions and there is no way for us to predict

Q: What are the chances of me being able to grow xxx?

A: If a variety is temporarily sold out, it will likely be available again in time for planting, but it is not something we can guarantee. As noted above, we can't perfectly predict how many seeds we will get from production run to production run. The best bet to guarantee a chance to grow our seed is to buy what is available.

Q: Can I put money down to reserve seed?

A: No. Payment in full, a signed material transfer agreement, and a current industrial hemp license are all required to guarantee seed.

Q: How do I pay?

A: We are a federally legal business. We accept bank transfers, business / personal checks from returning clients, cashier's checks from new clients, and cash if under \$10K. No cash transactions over \$10k without an IRS form 8300, no exceptions (seriously, please don't even ask). Once your order has been submitted through our website, you will receive a follow up invoice containing payment instructions from our invoicing team.

Q: What information do you need to process an order?

A: Orders can be placed electronically through our webstore. After the order is placed, you will receive an electronic invoice with payment instructions and a request for (1) a copy of your hemp license and (2) a signed material transfer agreement.

Q: I don't have my license yet...can I still order or pre-order?

A: No.

Q: Do you ship seeds?

A: Yes! We ship via UPS next day air at our expense and guarantee safe delivery to any Farm Bill compliant hemp license / registration holder.

About the Seeds

Q: Are your seeds feminized?

A: YES! Our process results in an industry-leading 99.97% female plants from seed. 1 in 4000 are *phenotypically* male despite carrying an XX female genotype and will drop pollen—these should be rogued and removed before fully flowering. Over 6000 acres were grown in 2017 and 2018 with our feminized seed--these are results that you can trust. Please see our "[Feminized Seed and the Ethics of Cannabis Farming](#)" white paper for more information on this process, our remarkable track record of successful feminization, and the economics of using this type of seed vs. regular.

Q: Are your varieties below 0.3% THC?

A: In short, yes. All of our CBD varieties will pass any state department of agriculture THC requirements when sampled at the appropriate time. The more detailed explanation can be found [here](#). Pre-harvest compliance documents for all currently available varieties can be obtained [here](#). All of our CBG varieties will pass ANY test at ANY time.

Q: I live in the great state of _____ —will your seeds work here?

A: Our current varieties have been trialed over 3 years on tens of thousands of acres in every hemp-legal state in the US. From California to South Carolina, Vermont to Kentucky, our lines have proven to be the most adaptable and consistent hemp seed available. The only major consideration is if you live in an area with excessive rainfall / humidity in late August / early September, in which case we recommend particular varieties that are highly resistant to mold and mildew (in order: Suver Haze, Special Sauce, and Lifter).

Q: Which variety should I buy? What is your favorite?

A: Every variety in our catalog has undergone the same scrutiny, field trials, and testing year after year. We don't release varieties unless we think they are special. The primary differences between each is found in the terpene profile and flower structure (see the catalog for specific details); all are great options for CBD production, all can be trimmed into flowers or sold in pre-rolls, and all varieties have the same robust, self-supporting structure and flowering times. Total CBD produced per acre is roughly equivalent across all varieties (see next question).

Q: What is the CBD content of each variety?

A: This is one of the most common questions and the most difficult to answer when all the possible variables are considered. Growing technique, nutrient regime, sampling protocol, drying method, and post-harvest handling all factor into total CBD content on a crop-wide average. A well-grown crop in good conditions (and accurate testing) will yield 10%-12% CBD on whole plant biomass, 12%-14% on shucked flowers, and 14-16% on trimmed flower, with outliers in the low 20% range as well (this is true for all "early" CBD varieties). A note on these numbers: you can send identical flower samples to 5 different labs across the US and get 5 very different results; most "labs" are not externally certified in any manner, and some who are lack appropriate equipment or expertise to properly quantify cannabinoid potency in a replicable way (particularly low concentrations of THC). Because of this, farmers need to be wary of seed vendors who rely on their high-testing CBD or low-testing THC "COA" to sell you on their "varieties," especially if they lack evidence of field trials or previous production success. We

strongly recommend [Pixis Laboratories](#) (Portland, OR; ISO 17025 certified and NELAP/ORELAP accredited).

Q: What are your germination rates?

A: It varies between varieties and batches, ranging from 90% to 99%. We always include 10% extra in each order to account for any variances that may arise. Be sure to maximize your total healthy plant count by following the germination / planting instructions in our quickstart guide—and DO NOT DIRECT SEED IN THE GROUND!

Q: How many seeds are in a pound?

A: First, try not to think of high value planting seed in this way—this is a concept that has carried over from the hemp grain production industry. Every variety is different, which is why we sell seeds by the count rather than by weight. Our heaviest seeds are about 22K per pound, while our lightest can be 35K per pound.

Q: \$1 a seed? Why should I buy your seed when others are selling for less?

A: You get what you pay for. There are a number of lawsuits under way in the US between fly-by-night seed vendors and farmers who were duped by them. Do you really want to risk your entire season to save a few pennies? At \$1 per seed, \$20 / pound for biomass, and a 1 lb. plant average, our seed is less costly than corn or soybeans relative to the economic returns they bring farmers. That makes industrial hemp farming with proper seed the most lucrative large-scale farming activity in the US. And that's just CBD. We have many other compounds in the pipeline for commercial release (CBG, CBC, CBDV, CBGV, CBCV, cannabinoid-free lines, and others) in coming years; this is made possible because we reinvest our revenue in research and development to ensure that our industry keeps moving forward. When new, lucrative compounds are released in seed form, our returning clients will always get preference—consider our seed as a mutually beneficial investment in your future success as a hemp farmer.

Q: Are you going to run out?

A: This has been a common rumor the past two years and at no point have we run out. Question the motives of anyone who repeats this demonstrably false statement (usually in order to create panic, then sell inferior seed). We produce all of our seed indoors during the fall, winter, and spring to ensure no cross-contamination from rogue pollen. Inventory of particular varieties may be low from time to time throughout the buying season, but rest assured, we will always have more in time for planting. We operate 5 separate indoor / greenhouse production facilities, spanning 100k sq. ft. of space and 1.5 megawatts of supplemental light; this is enough space to supply the entire US hemp industry.

Q: I got your seed from xxx and it...[insert your specific problem here]

A: We do not allow the resale, brokering, or transfer of our seed in any way. This is the only way to maintain the fidelity of our brand and ensure that farmers are truly growing our seed. If you were not personally handed seed by Seth or Eric Crawford, it is not “Oregon CBD”.

Q: Can I give / sell / transfer seeds to _____ ?

A: No. Every buyer must sign our Material Transfer Agreement, which prohibits the resale or transfer of purchased seed. The MTA also prohibits the use of our seed as breeding stock or for clone sales.

Q. What happens if I make a cross with your seed?

A: We produce true F1 varieties for specific characteristics. Knowledgeable plant breeders will understand that our work cannot be replicated via outcrossing or inbreeding, particularly our patent-pending “early” flowering characteristic and pure CBG genes. Save yourself a failed season and buy F1s.

Q: Do you help farmers sell their crops?

A: In short, no. When opportunities for large sales arise with vetted buyers, we share information with our seed clients who may have material for sale; however, we DO NOT provide brokerage services. Our focus is on the development of field-ready seed. We encourage every farmer to establish his or her own markets.

Q: I / We want to collaborate with your company.

A: We do not engage in collaborative projects with individuals or companies. Thank you for your interest, but we already have a lifetime of work to sift through in our R&D seed vault. Please contact us early on in our next incarnation.