

SOVEREIGN FIELDS



2020

Catalog

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SOVEREIGN FIELDS

EMPOWERING FARMERS *with world-class genetics*

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Sovereign Fields U.S. Flagship Farm & Research Facility
Located in beautiful Ashland, Oregon

OUR VISION

Sovereign Fields' CBD and CBG rich varieties are reshaping the future of hemp in the U.S. and international hemp marketplace.

Breeding boutique and commercially viable strains to meet the diverse needs of North American hemp farmers, Sovereign Fields is advancing the creation of stable, high quality, lawfully compliant genetics via science based research and development. With over 20 years of industry experience, Sovereign Fields is expanding the boundaries of what is possible.

Acknowledging our collective stewardship of the earth, Sovereign Fields embraces environmentally conscious business practices focused on organic, regenerative and sustainable farming techniques.



Your Trusted Source for the Finest Hemp Genetics

- THC/CBD Ratios ranging from 1:23 to 1:30
- Releasing new “fast flowering” feminized varieties in 2020
- Releasing new CBG feminized varieties in 2020
- Seed-to-sale tracking

Cannabis vs. Hemp

According to federal law, cannabis—with 0.3% THC content or higher—is classified by the DEA as a Schedule I drug with no accepted medical use. CBD products sourced from cannabis, are illegal at a federal level.

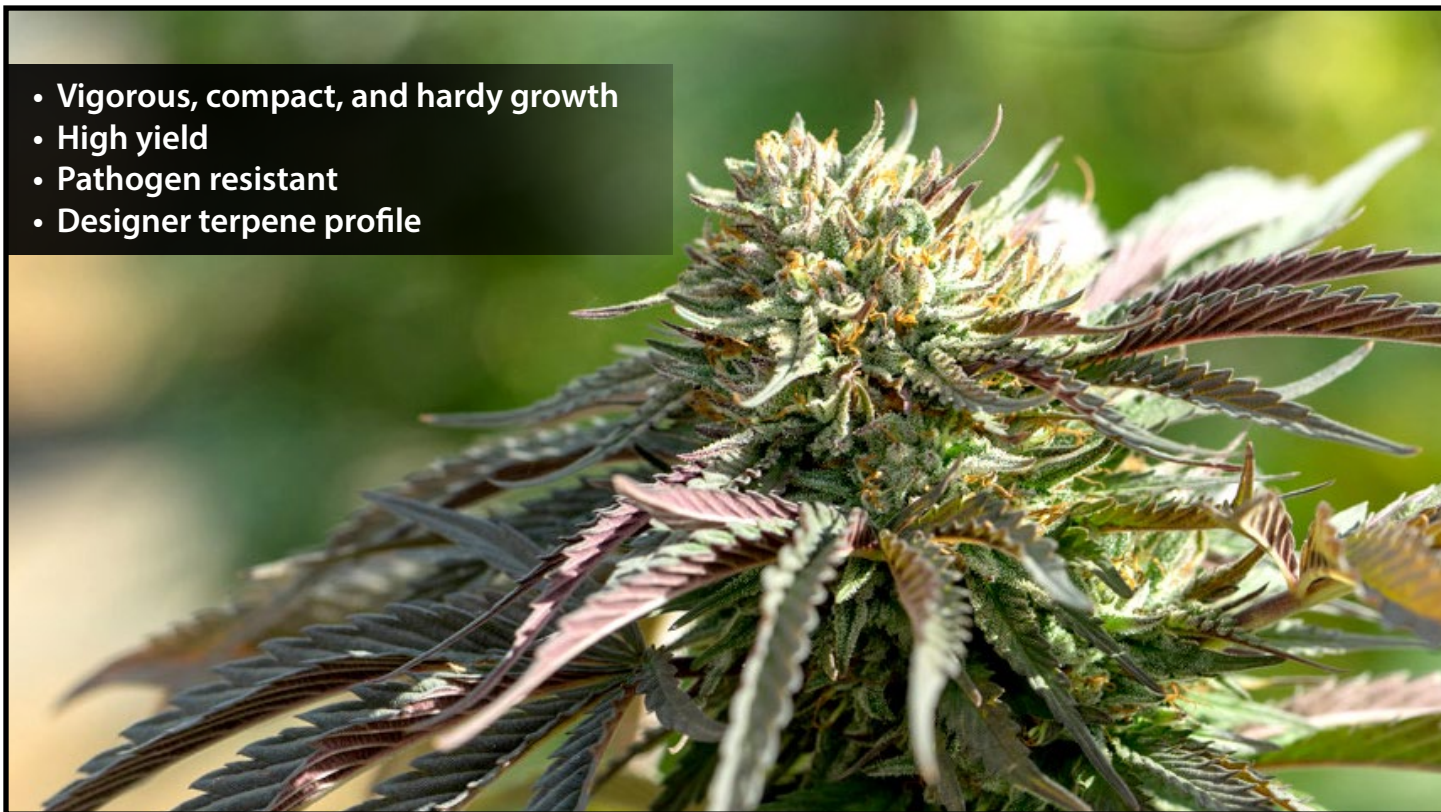
Industrial hemp, on the other hand, is no longer considered a Schedule I controlled drug. Following the 2018 farm bill, hemp was reclassified as an agricultural commodity and is legal nationwide.

CBD or CBG?

CBG is the precursor to CBD, and both exist, in varying amounts, in every cannabis plant. Though the full extent of these cannabinoid's properties are yet to be discovered, early studies done by the medical and science communities have shown the benefits of these substances to treat neurological disorders and support health. Thanks to this promising research, CBD and CBG are the most researched and desired cannabinoids in the marketplace.

Kush Hemp E1

- Vigorous, compact, and hardy growth
- High yield
- Pathogen resistant
- Designer terpene profile



STRAIN FACTS

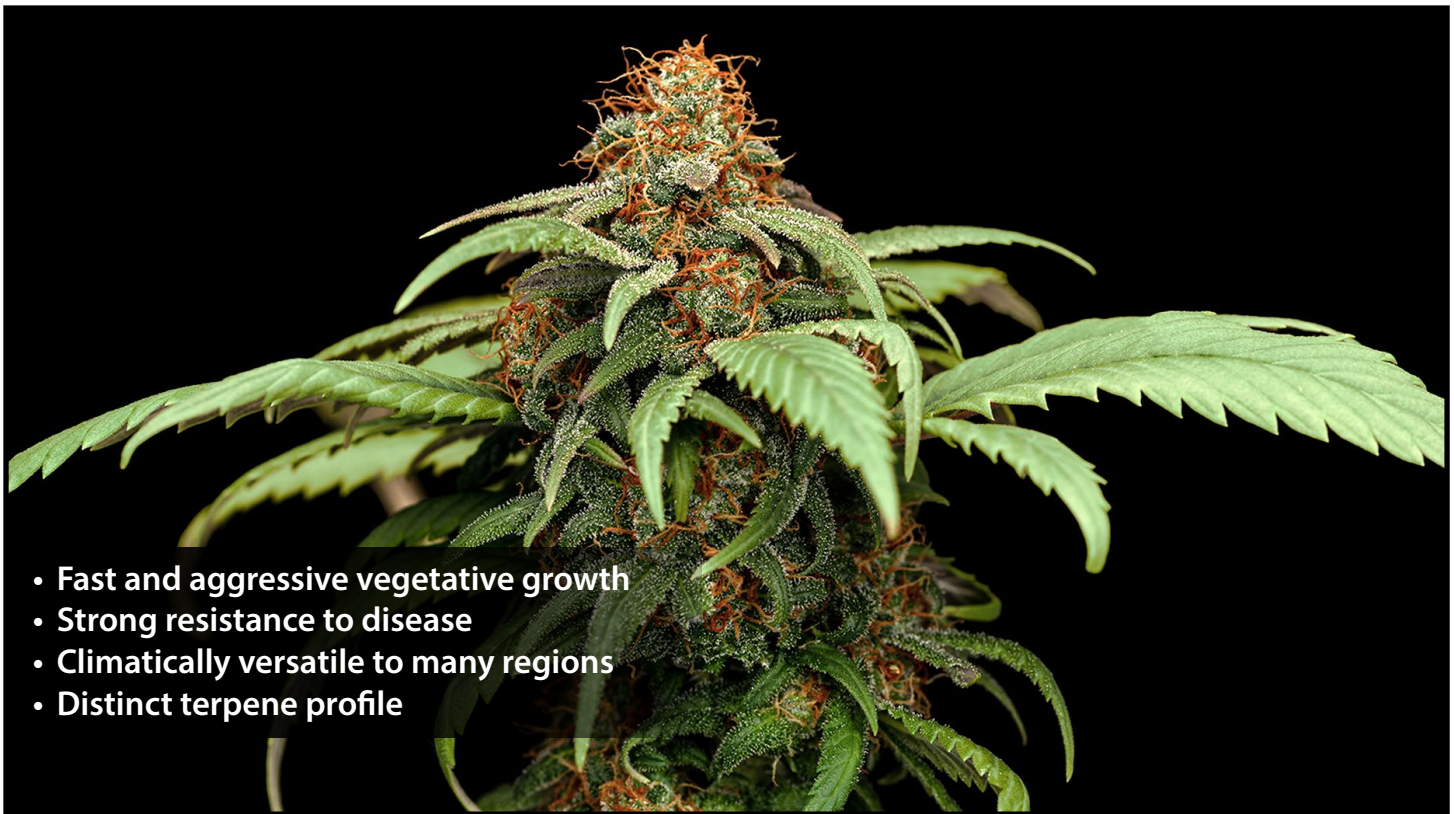
Strain Name:	Kush Hemp E1
Cross:	Pre-98 Bubba Kush x Elite Hemp Cultivar
Genotype:	90% Indica/10% Sativa
Indoor Flowering Time:	60-63 days
Indoors Yield:	400-500+ Grams per sq. meter
Outdoor Harvest Time:	Mid-October
Outdoors Yield:	500-1500 grams per plant
Plant Height:	5'-7 ft.
THC:	0.24%
CBD:	6%
Sowing Dates:	End of March to Mid-May

A major breakthrough in the creation of elite hemp cultivars. This varietal meets the expectations of both large-scale commercial production and small farm boutique cultivation. Climatically versatile and optimized for dry arid desert and mountainous conditions. Compact and hardy growth is optimal for high wind areas. Strong resistance to drought and pathogenic disease. The classic Afghani Kush terpene profile is displayed by strong gassy notes of black pepper with earthy citric undertones. Legally compliant for trimmed flower and extraction purposes.



Certificates of Analysis (COA's) are available online at sovereignfields.com

Hemptonic



- Fast and aggressive vegetative growth
- Strong resistance to disease
- Climatically versatile to many regions
- Distinct terpene profile

STRAIN FACTS

Strain Name:	Hemptonic
Cross:	Cannatonic x Elite Hemp Cultivar
Genotype:	25% Indica/75% Sativa
Indoor Flowering Time:	65-68 days
Indoors Yield:	400-500+ Grams per sq. meter
Outdoor Harvest Time:	Mid to late October
Outdoors Yield:	500-1500 grams per plant
Plant Height:	6-8ft.+
THC:	0.2%
CBD:	6%
Sowing Dates:	End of March to the beginning of June

A rapidly growing varietal adaptable to a broad range of climatic regions. Fast, aggressive and very vigorous growth. Plants will more than double in size transitioning into the flowering period. High production value and powerful terpene expressions provide versatility for both commercial extraction and boutique trimmed flower production. Sharp gassy citric profiles with acrid berry and pinewood notes.



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Kush Remedy

- High production value
- Strong resistance to disease
- Complex terpene profile

**SORRY, KUSH REMEDY
IS SOLD OUT FOR 2020**

STRAIN FACTS

Strain Name:	Kush Remedy
Cross:	Remedy CBD x Elite Kush Hemp E1
Genotype:	75% Indica/25% Sativa
Indoor Flowering Time:	57-60 days
Indoors Yield:	400-500+ Grams per sq. meter
Outdoor Harvest Time:	End of September to beginning of October
Outdoors Yield:	500-1500 grams per plant
Plant Height:	4-6ft.+
THC:	0.45% (trimmed flower, homogeneous samples will meet regulatory compliance)
CBD:	12-14%
Sowing Dates:	End of March to the middle of May

This elite F1 hybrid provides a high production value while maintaining a strong resistance to disease. Compact and very vigorous growth. Great for strong wind zones and high intensity sunlight. Plants stretch 30% on average transitioning into the flowering period. Low maintenance cultivar with modest metabolic input through its complete life-cycle.



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Lightning Autoflower



STRAIN FACTS

Strain Name:	Lightning Autoflower
Cross:	Elite Hemp Cultivar x Ruderalis
Genotype:	75% Indica/25% Sativa
Indoor Flowering Time:	75-78 days, seed to harvest
Indoors Yield:	400-500+ Grams per sq. meter
Outdoor Harvest Time:	75 days, seed to harvest
Outdoors Yield:	25-100 grams per plant
Plant Height:	2ft.+
THC:	0.3-0.5% (trimmed flower, homogeneous samples will meet regulatory compliance)
CBD:	9-11%
Sowing Dates:	End of March through September

Autoflowering Hemp is revolutionizing the future of large-scale cultivation. 75 days from seed to finish allows farmers to shape production schedules. 30% increase in “bud to stem” ratios, which means less wasted growth in less time. Plants begin flowering just 30 days from germination. Less overall consumption of water and nutrition due to short lifecycle. Incredibly drought resistant. High density planting is recommend to maximize yield potential.



Certificates of Analysis (COA's) are available online at sovereignfields.com

Alpine CBG

Following years of rigorous research and development, our team is ready to unveil Alpine CBG.

STRAIN FACTS

Strain Name:	Alpine CBG
Genotype:	25% Indica/75% Sativa
Indoor Flowering Time:	52-56 days
Indoors Yield:	500-1500+ grams per m ²
Outdoor Harvest Time:	2nd to 3rd week of September
Outdoors Yield:	500-1500 grams per plant
Plant Height:	4-6ft+
THC:	0.15-0.25%
CBD:	2-4%
CBG:	16-18%
Sowing Dates:	End of March through mid-May



Promising Research

Preliminary clinical studies and medical research of CBG have only begun to reveal the prospective health benefits of this non-intoxicating compound. These new comprehensive studies have found the potential ability to boost Anandamide, which regulates inflammation and neuron signaling. CBG could also have neuroprotective capabilities with the capacity to treat a broad spectrum of neurological disorders. Cannabigerol has also shown to be an effective antibacterial agent in the fight against a wide range of diseases and medical conditions.

Growing Demand

CBG is the latest cannabinoid to capture the attention of the medical research community. Consumer market awareness is on the rise as farming production is rapidly increasing to meet these new emerging demands. With new and still unforeseen applications transpiring for medical use, CBG will become a prominent fixture for consumers and cultivators alike.

INQUIRE ABOUT OUR CBD & CBG

seeds

starts

&

clones

TODAY



- Multiple varieties available
- Additional charge for certified organic seed
- Limited quantities
- 50% deposit required to hold order
- Balance due on pickup date
- Pickup in Southern Oregon

New USDA Regulations



The 2018 farm bill legalized the production of hemp as an agricultural commodity while removing it from the list of controlled substances. Industrial hemp is defined as *Cannabis sativa* L. and required to be below a THC threshold of 0.3%. Hemp production is legal in 46 states (excluding: Idaho, Mississippi, New Hampshire and South Dakota).

Ever since the 2018 farm bill was signed, farmers, regulators, stakeholders and law enforcement have been operating in a state of uncertainty as they waited for USDA to release new regulations. In October 2019, the USDA released its interim rules for regulations establishing a domestic hemp production program. The interim rules expires in two years, by which time the USDA hopes to have final rules in place. These interim rules regulate:

- requirements for maintaining information on the land where hemp is produced
- testing requirements – including THC levels, testing dates, and testing facilities
- disposing of plants not meeting necessary requirements
- licensing requirements
- and more...

At Sovereign Fields, we encourage farmers to stay educated on the latest regulations and always operate within the law. Each day our breeders strive to create the best hemp genetics which are USDA compliant.

Growing Tips

Monitoring your crop's CBD and THC levels is important to ensure you are compliant with the law. Four weeks after flowering has begun, test your crop weekly. Knowing your CBD and THC levels will indicate when harvesting is optimal.

Always be aware of the latest regulations and operate within the law. More info may be found at <https://www.usda.gov/topics/hemp>

Stay tuned to our website and blog for news, growing tips, and more!

Additional Info

Our hemp varieties are selected for cannabinoid content, disease and mold resistance, vigor, flavor, and yield. Harvest times may vary due to factors such as: latitude, micro-climate, soil medium, field density, and feeding regimen.

MORE INFORMATION REGARDING LAWS & REGULATIONS CAN BE FOUND AT:

<https://www.sovereignfields.com/what-do-federal-regulations-mean-for-2020s-compliant-hemp-crop/>

SOVEREIGN FIELDS

Ordering Info

CBD Seeds\$1/each

CBD Starts\$3/each

CBD Clones\$5/each

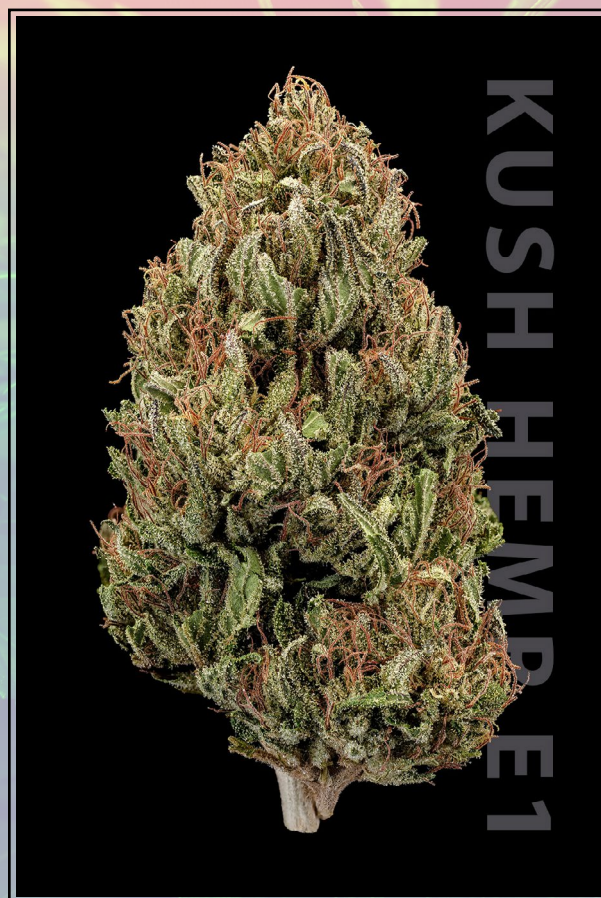
CBD Autoflower Seed ..\$0.45/each

CBG Seeds\$2/each

CBG Starts\$4/each

CBG Clones\$6/each

- 50% deposit required to hold order
- Balance due by completion/delivery date
- Additional charge for Certified Organic Seed
- Phytosanitary certification available
- Bulk quantities available, please inquire



Get in touch today for your 2020 orders!

info@sovereignfields.com 800-280-6034 www.sovereignfields.com

SOVEREIGN FIELDS IS A PROUD MEMBER OF THE FOLLOWING ASSOCIATIONS:



NATIONAL HEMP
ASSOCIATION



PLEASE NOTE: This catalog is not a contract. All SF seed orders are sold pursuant to fully executed Seed Purchase and Release Agreements. Many factors impact plant performance. Environmental stress can cause THC levels to spike. We recommend to test early and often to remain compliant. No guarantees promised or implied within sale.