

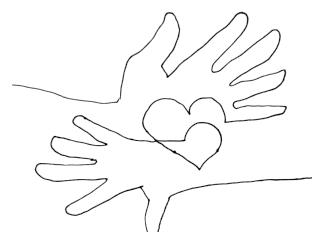
2020 HEMP CATALOG

Feminized Seedlings & Seed | Agricultural Services

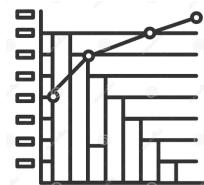
Field Tested Nationally in
2019



Provide Seed to Harvest
Support



Evidence Based
Descriptive Traits



What We Do

We specialize in seed from nationally recognized breeders and seedlings from our farm and research center in Southern Oregon. We are proud to be one of the first hemp nurseries with USDA Organic certification.



- Organic certified feminized seedlings in 72ct trays.
- Vigorous, consistent hemp.
- Seedlings are at their peak of perfection for on-time delivery or pick-up.
- Access to best-in-class cultivars that make your product line stand-out from the competition.
- Agricultural services, from R&D testing to design and build, we provide solutions.



OUR STORY

We are a team of growers, scientists, and engineers dedicated to developing best-in-class hemp for farms across the U.S.

As industry leaders we conduct rigorous evaluations of practices and products, lecturing at conferences and holding educational workshops.

We take pride in working with clients to provide them with the right plants to meet their farms' needs.

OUR PARTNERS



We carry AutoCBD because they produce an exceptional auto-flower, backed by rigorous analysis. This variety was evaluated at more than 35 sites across the US in the summer of 2019. <https://phylos.bio/>



Year after year this team of outstanding hemp breeders brings quality and reliability to every season. Cultivars with proven market success.

<http://arrowheadseed.com/>



CULTIVARS



Market Validity

BoxWine and Florence sold for \$350/lb and \$265/lb respectively

Q1 2020 wholesale market



BOX WINE

is a special selection of Cherry Wine crossed to BaOx that pulls the best from each parent. BoxWine has multi-branched dense colas with a heavier terpene profile and great resin production. Aromas of cinnamon, with hints of citrus and wood. **Early to Mid-October / field avg. 12-18% CBD**

"That BoxWine was the best. 6 ft plants. Great yield. Great flavor. Great smell. Definitely the most requested. In the field some of the colas were as big as my arm. " - Jason Lampan, 2019 Oregon Cannabis Cup Hemp 3rd Place. @state_3 u/state3hemp



FLORENCE

has deep aromas of starburst candy, blending characteristics from BaOx and Otto II. Aptly named because she withstood hurricane Florence with flying colors! At maturity she is our widest and tallest hemp with long, narrow, buds that dry fast. 2-3 phenotypes seen in the field; a striking deep purple after cold nights. **Mid-October / field avg. 9-12% CBD; potential to reach 15%**

"Really impressed with Florence... hardly any transplant shock after 1.5 weeks shot up immensely!"
- Staci



BAOX HYBRID

is a staff favorite in our field testing for all-around performance. With a uniform, multi-branched bush structure, and aromas of hops, citrus and spicy cinnamon. **Early to Mid-October / field average 9-14% CBD**

FLORENCE, BOXWINE AND BAOX HYRBID ADVANTAGES

Features	Benefits
Endures Rain & Wind	<ul style="list-style-type: none"> • These cultivars are known for excellent performance even with repeated cycles of rain and wind through harvest. • In high-winds branches withstand the weather and plants do not lodge.
Mold Resistant	<ul style="list-style-type: none"> • In head-to-head field trials in areas that receive rains and cool nights these cultivars had the best performance through harvest.
Feminized	<ul style="list-style-type: none"> • Industry standard for feminization is a 1 in 1000. Our genetics outperform competitors with ratios upwards of 1 in 7000.
High Yielding Colas	<ul style="list-style-type: none"> • In field trials relative to well-known cultivars, these cultivars have consistently higher yields.

"Getting some weight on your plants, will be heavy for harvest, doing great against our mold issues... A+++ wish we had all 22,000 of these.

- Steve



We look forward to hearing from you!

Please get in touch

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Many factors impact plant performance and any representations and other information are based on our observations and/or information from other sources under defined conditions. Infinite Tree does not accept liability for any direct, indirect, or consequential loss that may arise from any cause. We recommend to test early and often to remain compliant. No guarantees promised or implied.

AutoCBD Brand



Variety	NBS CBD-1
Maturity	75 day average
Type	Feminized, day-neutral, high-CBD
Markets	Extraction and flower

Phenotype

Average Plant Height at Harvest	32" ±4"
Average Plant Height at Flowering	14" - 18"

Cultivation

Planting Density	10,000/acre**
Seeds/lb	30,000
Row Spacing	18" or greater dependent on equipment spacing
Plant Spacing	18"
Direct Sow	1/4" depth in well-draining soil
Transplant	Start in low-density (50-cell) trays Transplant within 5-7 days of emergence.

Environmental Preferences

Optimal grow temperatures	50 °F - 90 °F
Recommended minimum soil temperature	55 °F

Yield

Post-harvest flower CBD yield	12% ±2%
Post-harvest biomass CBD yield	7% - 9%
Dry untrimmed flower biomass per plant	~6 oz = 3,300 lbs/ acre*

*10,000 seeds per acre with 88% emergence rate.

**Higher plant density possible with closer spacing

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AutoCBD Brand

Autoflower Hemp Seed

AutoCBD is a day-neutral hemp variety that produces CBD-rich flowers for extraction and smokable flower in an average of 75 days. The compact female plants allow for more crop per acre, maximizing yield and return. Additionally, short time to maturity allows for multiple cycles annually in regions with long growing seasons.

Phenotype

- Average plant height at harvest: 32" ±4"
- Average plant height at flowering: 14" - 18"

Yield

- Post-harvest flower CBD yield: 12% ±2%
- Post-harvest biomass CBD yield: 7% - 9%
- Post-harvest Δ9-THC below detection
- 23:1 ratio of CBD to THC
- Dry untrimmed flower biomass per plant:
~6 oz = 3,300 lbs/acre*

Environmental Preferences

- Optimal growing temperatures:
50 °F - 90 °F
- Recommended minimum soil temperature
for planting: 55 °F
- Cooler nighttime temperatures increase
maturity age and warmer temperatures
reduce maturity age
- Prefers well-drained soil



Phylos Tested supports product transparency, consistency, and assurance, while also helping buyers and consumers feel informed, engaged, and empowered in a changing hemp industry.

*10,000 seeds per acre with 88% emergence rate.

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AutoCBD Advantages

Features	Benefits
Rigorously Field-Tested	<ul style="list-style-type: none"> Ongoing field trials and testing across diverse geographic regions
Optimized for CBD Biomass	<ul style="list-style-type: none"> Produces CBD-rich flower for extraction and smokable flower High ratio of flower to biomass, increasing the yield per acre
Consistent & Uniform Growth	<ul style="list-style-type: none"> Produces uniform plants resulting in more consistent biomass and a more reliable, higher quality end product for your customers
Small Plant Size	<ul style="list-style-type: none"> Allows for more plants per acre Smaller amount of fibrous stem for easier mechanized harvest Mitigates lodging Maintains a small stature until flowering, when biomass greatly increases Higher harvest index
Day-Neutral (autoflower, non photoperiod sensitive)	<ul style="list-style-type: none"> Reaches maturity in an average of 75 days Ability to plant throughout the season Allows for staggered labor force and drying
Feminized	<ul style="list-style-type: none"> Reduces risk of pollination Maximizes production space Seed testing and field trials show 99.9% female plants

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Plant Development



Note: These dates will vary by temperature and are intended to be an average for informational purposes.

Cultivation

Direct Sow

- The best sowing results are produced by vacuum planters.
- Plant seeds at $\frac{1}{4}$ " depth in well-draining soil.
- Plant densely (18" spacing) to out-compete weeds.
- Mechanized weeding between rows and hand weeding in row for one month.
- Overhead fertigation for first month, then switch to drip lines for fertigation to avoid mold.

Transplant

- Begin process in 50-cell Earth Pots, Elle Pots, or iHort Excel pots.
- Transplants must be removed from trays and planted into field within 5-7 days after emergence.
- Reduce transition stress by hardening off outside prior to transplant.
- Possible early flowering due to transplant stress.

Best Practices

- Plant early or late in the season to increase access to processors and avoid harvest bottleneck.
- Direct sow seeds and mechanize cultivation and harvest to cut costs.
- Begin with transplants if early hard rains are expected.
- Reduce weed pressure in direct sown fields with heavy between-row mechanical cultivation; if transplanting at lower plant/acre density, plasticulture may be used.
- Harvest craft smokeable flower as an alternative end product with higher return.

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