

AutoCBD

Autoflower Hemp Seed

AutoCBD is a day-neutral hemp variety that produces CBD-rich flower for extraction 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

- Feminization rate: 99.98% +
- Average plant height at flowering: 14" - 18"
- Average plant height at harvest: 32" ±4"

Yield

- Post-harvest flower CBD yield: 12% ±2%
- Post-harvest biomass CBD yield: 7% - 9%
- 26:1 Total CBD to Total THC ratio
- Dry untrimmed flower biomass per plant: ~6 oz = 2,000 - 3,000 lbs/acre
- Harvest index of 75% usable biomass:stem/stalk ratio



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.

AutoCBD Advantages

Features	Benefits
Field-Tested	<ul style="list-style-type: none"> • Ongoing demonstration 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
Compact Plant Size	<ul style="list-style-type: none"> • Allows for more plants per acre and mechanized harvest • Maintains a compact stature until flowering, when biomass greatly increases • Higher harvest index
Day-Neutral (autoflower)	<ul style="list-style-type: none"> • Reaches maturity in an average of 75 days • Predictable growing cycles • Allows for staggered planting and harvest
Feminized	<ul style="list-style-type: none"> • Maximizes production space • Feminization rate of 99.98%+

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 ¼" 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 use mechanized 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 smokeable flower as an alternative end product with high return.



Your Local Source for Phyllos CBD Hemp

- AutoCBD Seed
- Cover Crop Recommendations
- Field Trials in Eastern US

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