

# 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	¼" 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

Any representations and other information are based on our observations and/or information from other sources under defined conditions. Crop performance depends on, and can be affected by, the interaction between the genetic potential of the seed, its physiological characteristics, the production system, the environment, pathogens, pests, management, and other uncontrollable factors that may alter expected performance. PHYLOS GIVES NO WARRANTY, EXPRESS OR IMPLIED, FOR CROP PERFORMANCE RELATIVE TO THE INFORMATION GIVEN; NOR DOES PHYLOS ACCEPT ANY LIABILITY FOR ANY DIRECT, INDIRECT, OR CONSEQUENTIAL LOSS THAT MAY ARISE FROM ANY CAUSE. Please read all seed package labeling carefully to understand the terms and conditions of sale.

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

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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 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 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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