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**SUPERIOR  
HEMP CLONES**

TRUSTED GROWERS | PROVEN GENETICS

**CBG Available  
for 2020 Season**

**A Deeper Tray for  
Superior Root Systems**

**Branched and Uniform  
Clones Ready to Plant**



### All Strains Virus Tested

- ✓ Cannabis Cryptic Virus
- ✓ Hop Latent Virus
- ✓ Hop Stunt Viroid
- ✓ Hop Latent Viroid
- ✓ Tobacco Ringspot Virus
- ✓ Arabis Mosaic Virus
- ✓ Tobacco Mosaic Virus
- ✓ Tobacco Streak Virus
- ✓ Tomato Spotted Wilt Virus
- ✓ Tomato Ringspot Virus
- ✓ Cucumber Mosaic Virus
- ✓ Impatiens Necrotic Spot Virus
- ✓ Alfalfa Mosaic Virus
- ✓ Calibrachoa Mottle Virus

### Why Use Our Clones?

- 45 Years of Clone Experience
- Proven Pest Management
- On-Site Tissue Culture Lab
- Genetically Stable Clones
- 100% Female
- Beneficial Insect Program
- Proven in the Field
- Superior COA History
- 100% Guaranteed on Delivery
- Deeper Tray for Healthier Root Systems
- Fleet of Vehicles for Easy Delivery
- Grower Coaching Resources



### We Make It Easy



**E**xact pricing, detailed COA histories, live availability, and online ordering keep the whole process simple. Easy peasy.



**A**wesome plants delivered to your door: happiness guaranteed. If you aren't 100% satisfied, let us know and we'll fix it.



**S**uccessful growth is our goal. Hemp clones arrive ready to transplant, and if you need coaching, we're here to help.



**Y**ou're all set: with quality clones, access to years of growing knowledge, and hard work, you'll have your best season yet.

# HOW TO READ THIS CATALOG

We've tried to pack as much punch as we could into the following pages. You'll find helpful graphs like this one. ↓ Here's how to best use them:

Our Field Trial Results	
Max CBD (Δ9)	16-19%
Max CBD (Total THC)	8-10%
CBD:THC Ratio	25 : 1
Target Planting	April - Mid-July
Target Harvest	September - October
Spacing	4-5' centers

#### Max CBD (Δ9)

This range is projected for those of you farming in the last states that read THC compliance by using strictly Delta 9 numbers. You will experience higher CBD yields than the rest of us mere mortals.

#### Max CBD Total THC

Most states are judging compliance by reading Total THC rather than just Delta 9. The vast majority of us have to comply with this rule and will experience a lower CBD yield.

#### CBD:THC Ratio

This is the ratio of CBD to THC for the strain. In the example above, the ratio is saying that if you grew the plant until it had a 1.0 THC level, you would have a CBD of 25%. This helpful number will also allow you to calculate approximate CBD levels at different stages of growth: .3% THC would expect a 7.5% CBD yield in the current example.

#### Target Planting and Target Harvest

These helpful rows are reference points for you to use as a rule of thumb. Each micro environment is different, but our experience with growing these plants in the field will give you windows to aid in planning your labor.

#### Spacing

This number is always represented in a range. If you use the earlier planting window, use the wider spacing. If you're starting late, you can place your plants closer together.

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## What Is CBG?

Cannabigerol (CBG) is the precursor to CBD, CBC, and THC. It develops in the plant before these other cannabinoids do, making it a lower-risk option for those looking to avoid a high THC. CBG has historically sold for more money per pound than CBD. Because it's a commodity, as the supply increases that price will change year to year.

## Will CBG Go Hot?

Often CBG is grown because it is a "safe" plant that does not grow hot. While this is almost always true, we have seen COAs of CBG varieties that do grow hot (over 0.3% total THC).

Even at full bud, the highest Total THC that we've seen for CBG Gold is 0.29 and CBG Ice is 0.11. However, growers should be just as vigilant in testing CBG varieties as with any other industrial hemp plant.



## CBG Gold



Our Field Trial Results	
Max CBG	15-18%
CBG:THC Ratio	78 : 1
Target Planting	May - June
Target Harvest	September - October
Spacing	4-5' centers

### Helpful Tips

- Early- to mid-season harvest allows for a staggering of crop labor
- Can be grown longer than other varieties while remaining THC compliant

**CBG Gold** is our premium strain of CBG hemp. It has been successfully grown in the Southeast and has shown good stamina in both flat, humid areas in NC, KY, and TN and at higher altitudes in VA. Because our CBG Gold clones are **produced from stable mother stock**, you will get **consistent CBG production** from your fields. This plant has been bred for high CBG and low THC percentages with a large cola for a higher per-acre yield.

Because CBG Gold is a **larger plant**, we have had great success by planting our clones 4 to 5 feet on center and **topping it early in the year** to promote maximum yield per acre.

## CBG Ice



Our Field Trial Results	
Max CBG	14-18%
CBG:THC Ratio	130 : 1
Target Planting	May - June
Target Harvest	September - October
Spacing	4-5' centers

### Helpful Tips

- New to the Southeast, so best tried in small test quantities
- Excels in indoor grows with very high profit per square foot

**CBG Ice** is our newest CBG in the line-up. While it has been successfully grown indoors, this is its first year to be trialed in a commercial setting in the Southeast. Originally phenotyped from seed, CBG Ice clones are produced from **100% female stable mother stock**, providing a higher rate of **consistency in CBG production**.

The highest THC we've seen has been 0.11, and the ratio of CBG to THC is off the charts at 130 to 1 or higher. Once tested and established in the Southeast, CBG Ice will become a dominant variety in the industry.

**Orders are taken on a first-come, first-served basis.** We recommend pre-ordering your clones as early as possible. All orders will be considered confirmed once a deposit is received. The remaining balance must be paid prior to delivery/pick-up.

Our **72-count trays** are billed as 70 plants. The two extra clones are a safeguard for losses due to shipping or transplant damage.



**Hemp Clones**

72-Count Tray	CBD	CBG
0 - 20,000	\$4.00	\$6.00
20,001 - 75,000	\$3.00	\$6.00
75,001+	\$2.50	\$5.00

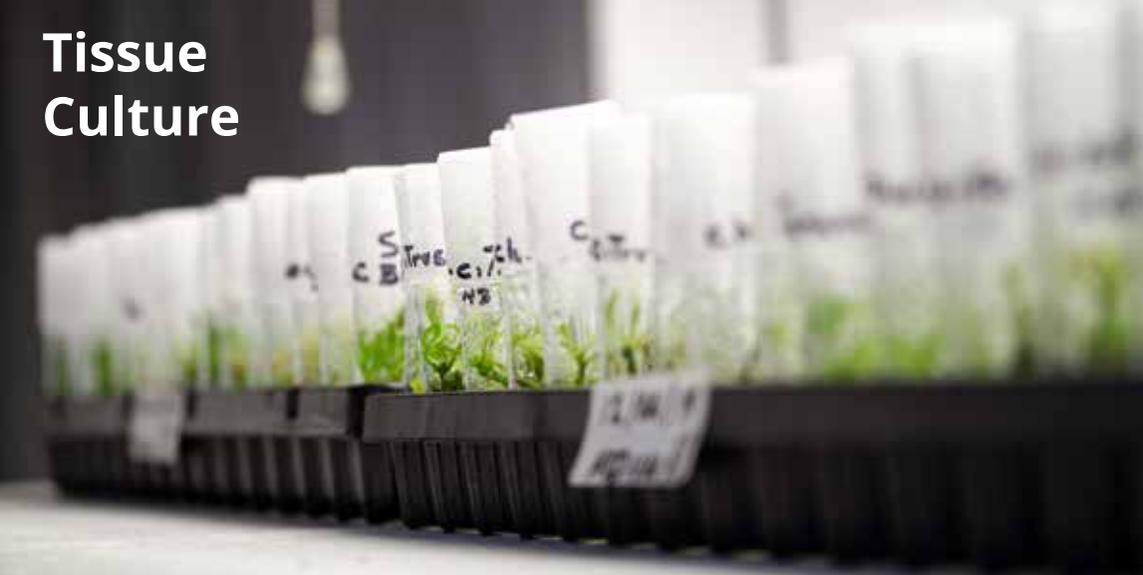
**Delivery fees are quoted at the time of order placement and will be charged in addition to the cost of the plants.**

If you'd like to come pick up your plants and save on shipping costs, please indicate this when you place your order. We require at least 48 hours' notice before pick-up so we can have your order ready. Our facility is located just southeast of Charlotte, North Carolina.

The CBD and CBG ranges given in this catalog reflect the cannabinoid profile produced under normal growing conditions in our field trials. In some cases, we've quoted ranges that are common knowledge throughout the industry. These ratios can vary depending on growing conditions and cannot be guaranteed. Superior Hemp Clones and North Carolina Farms do not guarantee your results and are not responsible for variances in end product profiles.

**Tissue Culture** plantlets are produced under sterile in-vitro conditions to produce genetically identical plants. These disease-free, pest-free products will help you get a clean start with superior mother plants.

**Tissue Culture**



Tissue Culture (no minimum)	CBD	CBG
Stage 2	\$5.00	\$7.00
Stage 3 (Non-acclimated)	\$7.00	\$9.00

**Jumbo Transplants** come in an 1801 tray and are equivalent to a 3" square in size. These plants are pre-pinned, well-established, and ready to flourish.

**Jumbo Transplants**



3" Potted Clones (1801)	CBD	CBG
1-90	\$10.00	\$15.00
91-504	\$8.50	\$13.50
505+	\$7.00	\$12.00

\*Prices subject to change.

## BaOx



Our Field Trial Results	
Max CBD ( $\Delta 9$ )	16-19%
Max CBD (Total THC)	8-10%
CBD:THC Ratio	25 : 1
Target Planting	April - Mid-July
Target Harvest	September - October
Spacing	4-5' centers

### Helpful Tips

- BaOx is one of the first to flower in late summer
- Keep an eye on worm populations once the flower cycle begins

**BaOx** is the best-selling hemp clone in our line. It's a fast-growing industrial hemp cultivar that is the result of a **cross between Hindu Kush and Otto**. BaOx hemp clones have become one of the most stable hemp crops grown in the southeast.

With a **large cola**, BaOx is a steady producer for CBD farmers throughout the United States and has become a mainstay on many farms. Because our BaOx hemp clones are produced from **stable mother stock**, you will get **consistent CBD production** from your fields. It's a **vigorous** cultivar that **grows quickly**, stays fairly **compact** and is one of the most **resistant to pests and fungus** in our trials. Normally grown for CBD, BaOx can also be grown for **fiber**.

Its long-standing, stable history in the hemp market makes BaOx hemp clones a no-brainer for most farmers.

## Cherry



Our Field Trial Results	
Max CBD ( $\Delta 9$ )	16-18%
Max CBD (Total THC)	8-10%
CBD:THC Ratio	22 : 1
Target Planting	April - Mid July
Target Harvest	September - November
Spacing	3-4' Centers

### Helpful Tips

- Cherry typically tests high in CBG with some farmers reporting up to 1%
- Beware: drought and high temps can increase levels of Delta 9 THC

**Cherry** CBD hemp flower is known for its **sweet smell and strong buds**. Our Cherry hemp clones produce **high CBD content** with a wide range of **cannabinoids and terpenes**. Cherry is a mounding-type plant that stays **compact and bushy**--the most compact variety in our line.

Our Cherry hemp clones are great for farmers looking for a **smokable flower** with **depth and nuance** in both color and taste. The buds are moderate in size and loaded with colored hairs as the trichomes mature. With its low profile and solid structure, Cherry is a **sturdy cultivar** that will **withstand severe weather** and strong winds better than most other varieties.

Planting the Cherry strain of CBD Hemp is a good addition to any farm, as it can be **planted earlier and matures faster** than other industrial hemp varieties. We've seen good success with planting our Cherry hemp clones in May and harvesting in mid-September before the rush of harvesting of other varieties in October. Cherry is a **good selection for early plantings**.

## Cherry Cherry



Our Field Trial Results	
Max CBD ( $\Delta 9$ )	16-18%
Max CBD (Total THC)	11-14%
CBD:THC Ratio	35 : 1
Target Planting	May - July
Target Harvest	September - October
Spacing	4-5' Centers

### Helpful Tips

- High in Ocimene and Limonene Terpenes and finishes with over 1% CBC
- THC develops slowly, giving you a longer grow time than other strains

**Cherry Cherry** is a popular industrial hemp strain known for its **high CBD content**. Cherry Cherry has bushy plants that produce an abundant amount of cola, making it a **preferred choice for extraction crops**. The growth cycle of Cherry Cherry also makes it an **excellent choice for staggered planting and harvesting**. We plant our Cherry Cherry hemp clones in early May and plan for an early harvest in September.

For the farmer looking for a **consumable hemp product**, Cherry Cherry hemp clones are a favorite. The mature buds of this plant have hues of purple, red, and orange. Adorned with **dense and glossy nugs**, its flavor profile is a balance of earthy tones and real cherries grown to perfection on an organic farm.

## Cherry Citrus



Our Field Trial Results	
Max CBD ( $\Delta 9$ )	14-20%
Max CBD (Total THC)	8-12%
CBD:THC Ratio	28 : 1
Target Planting	Mid-April - July
Target Harvest	September - October
Spacing	4-5' centers

### Helpful Tips

- Cherry Citrus has an appealing color and density for growers looking for a smokable flower
- Has an aroma of hops and lavender

**Cherry Citrus** is a CBD hemp flower in the Cherry family. It has a **stronger aroma** than the standard Cherry variety while still boasting high CBD levels. Cherry Citrus is a **wide grower**, so we plant our hemp clones 5 to 6 feet on center for maximum yield per acre.

Our Cherry Citrus hemp clones are a favorite with farmers looking for a **smokable flower** with depth and nuance in both color and taste. The buds are **moderate** in size and load up with **colored hairs** as the trichomes mature. While high in CBD, the Cherry Citrus strain of industrial hemp is much more diverse than standard varieties.

## Franklin



Our Field Trial Results	
Max CBD ( $\Delta 9$ )	12-16%
Max CBD (Total THC)	9-12%
CBD:THC Ratio	28 : 1
Target Planting	May - July
Target Harvest	October - November
Spacing	5-6' Centers

### Helpful Tips

- Franklin is a drought-tolerant variety
- More resistant to powdery mildew
- Versatile, stable plant

**Franklin** is an industrial hemp variety that has proven to **grow well in southern climates** where we experience wetter fall weather than in other parts of the country. Due to **long internodes**, it has **tested better against powdery mildew** than other varieties in greenhouse trials. Because our Franklin hemp clones are **produced from stable mother stock**, you will get **consistent CBD production** from your fields. This sizeable plant produces **large flowers** that turn purple with **fruity undertones** as they mature.

Because of its **low water requirements**, Franklin is also a good selection for non-irrigated fields or regions with a short growing season.

Franklin hemp clones are a great addition for the farmer who wants to diversify his field, but still have some stability in his crop. Because of the **later flowering** of Franklin, these clones could be added as a secondary harvest window for most farms.

## Stout



Our Field Trial Results	
Max CBD ( $\Delta 9$ )	14-16%
Max CBD (Total THC)	10-12%
CBD:THC Ratio	30 : 1
Target Planting	June - August
Target Harvest	October - November
Spacing	3-5' Centers

### Helpful Tips

- Best performer in indoor growing conditions
- Compact habit produces loads of flowers

The **Stout** industrial hemp cultivar is a Sativa dominated plant (60% Sativa, 40% Indica) with a **wide-ranging terpene profile**. It has a **higher tolerance for cool temperatures**, and, being **resistant to frost or cold damage**, Stout can continue to flower in near-freezing weather. Our Stout hemp clones are best planted a little closer together since this variety is a **shorter, mounding plant** with **tightly stacked internodes**.

Stout hemp clones are probably best for farmers who are looking to do a later grow in the field or those doing indoor grows where space can be an issue.

## Super CBD



Our Field Trial Results	
Max CBD (Δ9)	12-16%
Max CBD (Total THC)	10-12%
CBD:THC Ratio	31 : 1
Target Planting	June - August
Target Harvest	October - November
Spacing	5-7' centers

### Helpful Tips

- Long internodes make scouting easy
- Drought tolerant
- Colas are worm-resistant

Originally **bred in Israel**, the Super CBD industrial hemp cultivar is an **adaptable** plant. With its **high CBD content** and **rich terpenes profile**, our Super CBD hemp clones are in high demand. Super CBD can reach **over 12ft in one season**, making it a diverse selection. With proper staking, Super CBD can produce **3lbs per plant**.

Super CBD is a preferred selection for **late plantings** and makes an excellent **fiber crop**. Because of its **aggressive growth habit**, Super CBD can be planted late in the season and still produce high yields. Super CBD is also an excellent selection for **non-irrigated fields** and regions with a short growing season.

Super CBD is a late bloomer and is typically harvested in October, once the colas show a purple hue.

## Sweetened



Our Field Trial Results	
Max CBD (Δ9)	16-18%
Max CBD (Total THC)	8-10%
CBD:THC Ratio	24 : 1
Target Planting	Mid--April - July
Target Harvest	September - October
Spacing	4-5' Centers

### Helpful Tips

- Established name in the market as a smokable flower
- Very nice terpene profile with high amount of Limonene and Ocimene

**Sweetened** (a hybrid of Cherry and Otto II) is a **fast-growing, short, stocky plant** that boasts a **sweet smell** in its mature buds. It's both a **high CBD producer** and a **truly versatile cultivar**. It has shown light **frost hardiness** and is a trusted name throughout the industrial hemp community. Sweetened hemp clones are always in high demand due to the plant's success on the farm.

Sweetened's **sturdy and stocky structure** helps support its **heavy, dense colas** with little to no staking required. Out of all our field studies, Sweetened is the **least susceptible to the most types of worms**. Sweetened has also shown its ability to handle **more moisture than other varieties**, and boasts a few hues of **purple**.

## The Wife



Our Field Trial Results	
Max CBD (Δ9)	14-16%
Max CBD (Total THC)	9-12%
CBD:THC Ratio	30 : 1
Target Planting	May - July
Target Harvest	October - November
Spacing	4-5' Centers

### Helpful Tips

- Moderately drought-resistant variety
- Top plants early in the season to create a "bushy" plant to support heavy colas

**The Wife** strain of industrial hemp has some of the **highest CBD content** of all hemp plants that we've tested. Because our Wife hemp clones are **produced from stable mother stock**, you will get **consistent CBD production** from your fields. This plant, bred as a **balanced Indica/Sativa cultivar (50/50)**, produces **rich buds with a cherry flavor**.

Wife is our **most pest resistant variety** and suffers **little worm damage** during the flower cycle. Wife is also a **high yielding selection** with **large colas** and enough structure to support itself. With a very pretty **lime green bud** and **excellent terpene profile**.

Because Wife is a **larger plant**, we have had great success by planting our clones 4 to 5 feet on center and **topping it early in the year** to promote maximum yield per acre.

# FAQ

## **Why are all the ship dates on Mondays?**

The greenhouse industry standard for scheduling orders is by week number. In order to simplify the process, we schedule our orders by the Monday of that week (01-06-2020 is week 02). We do not guarantee that all orders will ship on Monday, but that they will be shipped that week. We ship Monday through Wednesday of each week. Orders are shipped on the same day in which they are pulled.

## **How do you ship?**

We are continuing to expand our very popular delivery service to include more states. Our fleet includes, vans, trucks, and 18 wheelers. We can accommodate any size order. Larger orders are transferred on racks, and small orders typically ship in boxes with 4 trays per box, depending on the size of the plants in the liners. We recommend having an even number of trays per shipment as this will maximize your box layout.

## **What if the total order is not ready?**

If there is a variety on the order that is not ready with the rest of the shipment, we will do our best to contact the customer to let them know. If possible, we will let the customer decide whether a substitution would be okay, or we will backorder the item and ship it when it is ready.

## **How does weather factor into shipping?**

We check the weather daily for our delivery destinations, and we use climate-controlled vans. If the temperature is too hot or cold outside, we take necessary precautions with packing and shipping. If there is a bad storm, we will hold the order until better weather occurs and ship it as soon as possible. We will do our best to notify the customer with any weather-related delays. Always feel free to contact us with your local forecast and we can try to accommodate your schedule around bad weather.

## **What should I do if my plants are damaged when they arrive?**

Please take pictures of the plants as they arrived. Unpack the box and let the plants acclimate to your environment. Plant all viable clones and then email us with the details of the shipment and photos documenting losses. Any claim must be reported within 3 days of receiving your plants. We guarantee all viable plants and commit to replace or refund non-viable plant material. Please see our returns page for further details: [ncfarmsinc.com/damages](http://ncfarmsinc.com/damages)

## *People Over Profits: How the Values that Drive Our Company Serve You*

**We all feel the constant pressure of business.** At the end of the day, if we don't make money, we're forced to liquidate. However, if we allow money to drive all of our decisions, we become consumed by greed to the detriment of our community. As a company, clearly defining our values has helped us to maintain our heading without drifting too far off course. Coming back to these values regularly keeps our focus in the right places. We hope by sharing them that you'll be inspired to apply this value-driven practice in the transformation of your own business.

### **We believe:**

#### **Everyone is created in the image of God.**

- **Looking In:** No matter the employees' roles or how long they've been in the company, they have value because of the worth given to them not by their titles, but by their Creator.
- **Looking Out:** Every customer deserves our full attention and is worthy of help along the journey, no matter their size.

#### **We should treat our neighbors as ourselves.**

- **Looking In:** When it comes to profit-sharing, safety, comfort, and security, we as owners have to try to put ourselves in the place of employees as we make hard decisions.
- **Looking Out:** We make decisions based not solely on the bottom line, but also considering what is best for our customers, from plastic to soil to virus indexing and guarantees on safe shipment.

#### **All people are uniquely gifted to be effective in their own communities.**

- **Looking In:** Our job as leaders is not to *create* good ideas, but to *nurture* them, no matter their origin. We need feedback and ideas from every level of our company.
- **Looking Out:** We all have jobs to do in our communities, from the start-up greenhouse to large-volume growers. Each company will impact their community in specific ways and areas, and we are committed to helping our customers find healthy success.

#### **We are all stewarding our businesses, relationships, and possessions.**

- **Looking In:** All that we have has been given to us to manage during our lifetime. Our job is to continually ask, "Is this the best and highest use of this resource?" We are invested in helping our employees to find their best place within the company and aiding them toward growth.
- **Looking Out:** We want to equip each of our customers to be successful by providing tools and coaching to grow their businesses year after year. If we can equip our customers to fulfill their purpose, we will have stewarded our gifts well.

**These are the ideals toward which we are striving.** Though we may not always hit the mark, we're at least pointing in the right direction. You can rest assured that if you put your trust in us, our service to you will flow from these values, and if there's ever a problem, we'll work with you to make it right.



**S** SUPERIOR  
HEMP CLONES

TRUSTED GROWERS | PROVEN GENETICS

Your Trusted Source for  
Nursery to Field  
Hemp Starter Plants

**S** Superior Hemp Clones  
4205 Forest Drive  
Indian Trail, NC 28079  
(704) 776-9229  
[SuperiorHempClones.com](http://SuperiorHempClones.com)

Electronic Service Requested