

HSO Strain Descriptions

Feminized Strains

BANANA SAPPHIRE

INTRODUCTION: This fruitful combination brings together the powerful subtleties of the Banana OG with the acrid complexity of our unique and elite Sapphire OG. These two varieties have given birth to this phenomenal creation. The Banana Sapphire has incredible growth and yield potential. Great for any level of grower as the flavor proceeds the name with strong gassy essence and sweet subtle banana and fruity undertones. This strain is not to be missing out of any collection.

MORPHOLOGY: The original Banana OG came from a small community in Oregon more than a decade ago. This was then crossed into our elite Sapphire OG known for its complex gassy terpene expressions. Plants maintain fast and vigorous growth throughout the lifecycle and do well in most conditions. Banana Sapphire enjoys lots of sun and can handle high temperatures and cold nights. Thin fan leaves allow for deeper light penetration and good spacing in between internodal development makes for good airflow in denser canopies. Large elongated buds form into large resinous colas during their final stages.

YIELD: Banana sapphire has a great production value. Plants outdoors can yield as much as 10 lbs per plant Or up to 5000+ grams. Yields indoors could be expected at 450 - 500 grams per square meter.

IMPORTANT NOTE!! All yields are contingent upon the following:

- Time of year of planting (after last freeze)
- Annual weather conditions
- Lines of latitude and longitude
- Size of pot or container or growing median of use
- Diet and nutrition
- Preventative maintenance against pests and disease

TERPENES AND FLAVOR: Terpene profile expresses the beautiful fusion of strong acrid gas and black pepper followed by subtle fruity tropical flavors dominant in banana with sweet mango undertones. This mouthwatering combination activates the salivary glands and truly translates to the pallet the essence of what you smell.

EFFECTS: Banana Sapphire is known for its “creeper” effect normally resulting in a couch lock. Great for end of day use and excellent for pain relief as well. Experienced indica smokers may enjoy the very strong cerebral high this strain has to offer.

CULTIVATION TIPS: Banana Sapphire is for all cultivation levels. Fast and vigorous vegetative growth is maintained through the complete lifecycle. These plants do well under trellising and have good spacing between fan leaves to allow for good light penetration, needing very little maintenance or cleaning. During flowering periods, trellising is recommended as large bud development in later stages needs to be supported. Cultivation indoors plants are low maintenance and will more than double in size during the flowering cycle. Strong feeding regimens are recommended.

Outdoor: Cages are recommended for larger plants. Secondary additional trellising will be needed for the later stages of flower development. Diet and nutrition should be stimulated throughout the cycle due to high metabolic function. Near harvest, leaves can yellow. Prefers dry climates with mountain sun, but does well in most environments.

CHARACTER TRAITS (DATA)

Sex: Feminized

Genotype: 75% Indica/25% Sativa

Lineage: Banana OG x Sapphire OG

Preferred Climate Conditions: Dry arid desert and mountain full sun. Performs well in most environments

Flowering Duration(indoor): 60 - 63 days

Harvest Period (Long term outdoor): 1st/2nd week of October

Outdoor Height: 15ft+ or 4.5m +

THC: 23-26%+

CBD: 0.1%

LEMON CITRON

INTRODUCTION: Lemon Citron is a strain composed through the fusion of two highly demanded varieties known for their sharp gassy and citrus terpene profiles. The infamous Lemon Tree was pollinated with our elite selected four-way OG. The combination resulted in the large elongated castle like buds, glossy with resin with an incredibly pungent finish. With eye popping bag appeal and unforgettable flavor this strain is a sure winner and should be included in all connoisseur lineups.

MORPHOLOGY: Lemon tree is a Super Skunk and California Sour Diesel. Sativa dominant, this clone is more resistant to disease and able to handle humid climates (performs well in most climates). The four-way OG traits are known for their big bulbous bud formations accompanied by high resin output with great bag appeal.

YIELD: Lemon Citron has a big yield potential. Plants outdoors can yield as much as 8Lbs + per plant Or up to 4000+ grams. Yields indoors could be expected at 400g-450g per Sq meter.

IMPORTANT NOTE: All yields are contingent upon the following:

- Time of year of planting (after last freeze) -Annual weather conditions -Lines of latitude and longitude
- Size of pot or container or growing median of use
- Diet and nutrition
- Preventative maintenance against pests and disease

TERPENES AND FLAVOR: Pungent, eye-watering, gassy flavor dominates the foreground with notes of citrus and sweet fruit underneath. Some might say it conjures spicy lemon pepper and hints of acetone.

EFFECTS: Calming, relaxing and long lasting due to the small percentage of sativa but can have a creeper effect if consumed in larger quantities. Good for mid-day use. Great for outdoor activities.

CULTIVATION TIPS: Once germinated the Lemon Citron grows with great vigor and strength. Its high metabolic function will need higher nutritional regimens, especially supplemental means of nitrogen (preferably organic). This is important throughout all stages of development. Plants will do well in most climatic environments and can handle higher levels of humidity. The Lemon Citron loves lots of sun. Good

spacing between internodes allows for better airflow and deeper light penetration into the canopy. Plants will more than double in size indoors transitioning into the flowering period. Large bud sets should be supported at least by a single layer if not a secondary layer of trellis.

OUTDOOR: For larger plants, cages and secondary layers of trellising are recommended. Topping throughout the course of the plant's life will create more terminal sites as plants can still reach heights of more than 4.5m (15ft). Topping can be done every two weeks and at least 3 to 6 times throughout the course of the plant's life cycle leaving a few weeks prior for recuperation before the final transition into flowering.

CHARACTER TRAITS (DATA)

Sex:Feminized

Genotype:70% Indica/ 30% Sativa

Lineage:Lemon Tree x Geist OG(4way)

Preferred Climate Conditions: Does well in most environments

Flowering Duration(indoor): 65 days

Harvest Period (Long term outdoor): Mid October

Outdoor Height: 15ft+ 4.5+

THC: 24-26% +

CBD:0.1%

GHOST OF NYC

INTRODUCTION: Modern day hybrids were built on classic varieties appearing in the late 90's to early 2000's. The Iconic East Coast Sour Diesel was one of the most notorious and high priced varieties for more than two decades. It has given rise to some of the most desired terpene profiles in the market today. The cross between an elite and uncirculated New York City Sour Diesel blended with our elite selection and uncirculated 4-way OG resulted in this dynamite and potent creation.

With explosive Growth leading into a highly productive flowering period, The Ghost of NYC can perform well in most environments including higher humidity and more temperate climates. Great for extraction, as it's backed by high levels of potency and amazing aromas and flavors, this gem needs to be experienced in every garden.

MORPHOLOGY: From inception the Ghost of NYC grows with great strength and vigor. Appears more sativa in development though the plant still retains indica dominant effects. Large spacing between internodes are expressed through early stages of development. Elongated and large flowering sites develop in later stages finishing with beautiful lime green tones, contrasted by glossy resin covered buds. A happy plant in most environments, the Ghost of NYC flourishes with strong sun conditions. As many heirlooms begin to disappear, this timeless flavor has been captured once again and shouldn't be missed by any level of cultivation skill set.

YIELD: The Ghost Of NYC creates an incredibly plentiful harvest when cultivated properly. Plants outdoors can yield as much as 6-8Lbs + per plant Or up to 4000+ grams. Yields indoors could be expected at 400g-450g per Sq meter.

IMPORTANT NOTE!! All yields are contingent upon the following:

- Time of year of planting (after last freeze)
- Annual weather conditions
- Lines of latitude and longitude

- Size of pot or container or growing median of use -diet and nutrition
- Preventative maintenance against pests and disease

TERPENES AND FLAVOR: Terpene profile is known for its unmistakable gassy and citric overtones followed by sweet yet acidic notes of pine and lemon grass.

EFFECTS: Great for daytime use and outdoor activities. The calming and long lasting effect can still create an energizing feeling when consumed in moderation. Excellent for creative thinking and stimulating activities both mental and physical.

CULTIVATION TIPS: Ghost of NYC develops quickly and does best underneath trellising. Ideal for “sea of green” methods. While transitioning into the flowering cycle, plants will more than double in size needing very little time for vegetative growth prior to flowering. When grown larger, plants are recommended to be topped or “SCROG” methods applied. Strong feeding regimens are recommended as these girls will be more demanding not only nitrogen but also higher levels of calcium. (Bone Meal specifically is ideal during the first weeks of flowering and periodically throughout the cycle, ensuring more bud density.

Plants outdoors are highly recommended to be caged and secondary layers of trellis are necessary for later stages of development to support large bud sites. Cleaning the inner layers of canopy prior to the flowering period and again during the 2nd-3rd week are crucial to maximizing yield, though the plant does receive better light penetration due to the thinner fan leaves and good spacing between bud sites. The Ghost of NYC does great in cold and wet conditions close to harvest and really packs on the weight during the last couple weeks while showcasing bountiful resin. These plants are great for extraction with secondary and third layers of canopy.

CHARACTER TRAITS (DATA)

Sex: Feminized

Genotype: 70% indica / 30% Sativa

Lineage: Uncirculated NYC Diesel x Geist OG(4-way)

Preferred Climate Conditions: Does well in all climates

Flowering Duration(indoor): 63-65 days

Harvest Period (Long term outdoor): Mid October

Outdoor Height: 15ft+ 4.5m+

THC: 24-26%+

CBD: 0.1%

SAPPHIRE OG

INTRODUCTION: Modern Hybrids were built on the foundation of greatness.

This creation reigns supreme for its unmistakable AAA aromas backed by incredible potency. Sapphire OG has become one of our most desired and iconic flavors in the Humboldt Seed Organization lineup. The infamous “Florida cut” OG crossed with our OG Afghan provides a unique and exciting strain for all growers to admire and enjoy. If tended to correctly this plant far exceeds expectations and should be added to every classic modern library.

MORPHOLOGY: Aggressive and healthy growth mark the early stages of the Sapphire OG. Needs little maintenance during beginning stages. Modest feeding regimens make it ideal for a broad range of cultivation skill sets. Tall and lanky in nature from its OG dominant parentage, makes for good spacing between internodes and deeper light penetration into the canopy. Beautiful multicolor buds with shades of

purple and green showcase glossy resin covered tops, while smaller golf ball size buds develop in secondary and third layers of canopy.

YIELD: A high production value. Plants outdoors can yield as much as 6-8Lbs + per plant Or up to 4000+ grams. Yields indoors could be expected at 400g-600g per Sq meter.

IMPORTANT NOTE!! All yields are contingent upon the following:

- Time of year of planting (after last freeze)
- Annual weather conditions -Lines of latitude and longitude
- Size of pot or container or growing median of use
- Diet and nutrition
- Preventative maintenance against pests and disease

TERPENES AND FLAVOR: Strong essence of complex pine and gas overtones followed by sharp notes of cinnamon and spice accompanied by subtle notes of chocolate and nutmeg.

EFFECTS: A strong cerebral high and ideal for end of day use. Experienced users well enjoy the mentally relaxing yet stimulating aspect while still being great for creativity and mellow enjoyment.

CULTIVATION TIPS: Plants can be cultivated with modest diets and nutritional regimens. Ideal for “sea of green” and does incredibly well in thick canopy scenarios due to better light penetration from thin fan leaves. Plants will more than double in size from the vegetative to flowering period and it is critical to use trellising, preferably two layers to support for development in later stages. For indoor cultivation, plants can be densely arranged. They have the capacity to take a strong feeding throughout the duration of the life cycle. Second and third layers of canopy form dense buds during the final stages of flowering and have substantial production value.

All outdoor plants are recommended to have cages when grown for long term full sun cycles. Second layers of trellising are highly recommended. Cleaning or hollowing the inside of the plants to allow for more airflow is critical prior to major bud growth and is highly recommended to be addressed during the first couple weeks of flowering to focus development on terminal bud sites. Plants should be topped multiple times to ensure more surface area which results in a higher yield. Plants are slightly susceptible to powdery mildew as preventative measures should be applied accordingly.

CHARACTER TRAITS (DATA)

Sex: Feminized

Genotype: 85% Indica / 15% Sativa

Lineage: OG “Florida Cut” x OG x Afghan

Preferred Climate Conditions: High elevation Mountain/Desert Dry and arid

Flowering Duration (indoor): 57-60 days

Harvest Period (long term outdoor): late September/Early October

Outdoor Height: 12-15ft+ or 3-4m+

THC: 21-24%+

CBD: 0.1%

FLORIDA GASPAC

INTRODUCTION: The mysterious arrival of the Chemdawg series left many connoisseurs desiring these elusive phenotypes for decades. Though the origins of lineage remain unknown, the impact they’ve had on the cannabis industry is undeniable. This cross between a Chem ‘95 and the infamous Florida OG aka

“Triangle OG” cut resulted in a potent greasy, chemically smelling masterpiece. Sativa expressions are reflected throughout the plant’s life cycle as Florida Chem-bomb enjoys intense full sun conditions while flourishing indoors as well. This legendary variety maintains the exquisite potency chased by so many for more than 25 years. These flavors shaped the modern day hybrid movement and are by far some of the most palatable the cannabis world has to offer. With amazing bag appeal and extreme potency this strain is an ideal addition for all collectors and connoisseurs alike.

MORPHOLOGY: Florida Gaspack grows fast and hardy during its early stages of development. More than doubling in size transitioning into the flowering period, take notice to stay ahead of the curve to meet the demands of this metabolic monster. Long “castle” like tops with a wet and greasy appearance present an unmistakable look. Great leaf to calyx ratios, leaving a lot more flower to green material, favorable to any grower.

YIELD: Florida Chem-bomb has great yield capabilities. Plants outdoors can yield as much as 6-8Lbs + per plant Or up to 4000+ grams. Yields indoors could be expected at 400g-450g per Sq meter.

TERPENES AND FLAVOR: Sharp aromas of gassy acetone and chemical cleaning products dominate the foreground while citrus and peppery pine accompany lemongrass and mint undertones.

EFFECTS: Initial cerebral effects are followed by a strong couch lock feeling. Ideal for end of day use. Great for unwinding and relaxing without too much to do. Great for sleep and pain relief.

CULTIVATION TIPS: Florida Gaspack meets a broad range of cultivation skill sets. Fast and vigorous growth lead to tall and lanky plants early on. It’s important to top plants throughout the course of their life if you do not plan on flowering quickly. They are ideal for the “sea of green” or “SCROG” methods due to the plant’s deeper light penetration from thin sativa like fan leaves and longer spacing between internodes. Double Trellising is recommended for indoor cultivation. Undergrowth should be clean and energy focused on primary terminal sites to maximize yield potential. The plant is ideal for making extraction if you decide to leave excess layers underneath the primary canopy. Outdoor plants should be caged and secondary trellis should be applied to assist in final stages of development. Plants are best hollowed out to allow for maximum amount of airflow. This variety is slightly susceptible to powdery mildew and preventative measures should be taken accordingly. Feeding regimens are more demanding during the flowering cycle. Nitrogen consumption is modest though it is recommended to increase levels of calcium to support density in final stages. We recommend adding bone meal to your recipe in the first week of flowering and sequentially every three weeks until mid cycle as we have experienced this to create some of the best results.

CHARACTER TRAITS (DATA)

Sex: Feminized

Genotype: 75% Indica / 25% Sativa

Lineage: Chem ‘91 x OG Kush “Florida Cut” aka The “Triangle” OG

Preferred Climate Conditions: Dry arid mountain/desert

Flowering Duration (indoor): 60-63

Harvest Period (long term outdoor): Early-Mid October

Outdoor Height: 15ft+ 4.5m+

THC: 24-26%+

CBD: 0.1%

CINNAMON BUDDHA OG

INTRODUCTION: Preserving genetics can be a difficult task but some are so valued within the cannabis community they have descended from one loving hand to another in secrecy and quiet anonymity for decades. Cinnamon Buddha OG was born and preserved from this legacy. The “Florida Cut” OG aka “The Triangle” crossed with our original and uncirculated Fire OG, created this pungent gem. This timeless strain is one to be cycled into your space now as well as preserved for future generations. This award winning flavor and taste is not to be missed by any refined palate.

MORPHOLOGY: With the classic OG build and structure this plant reflects the essence of what so many have craved for more than two decades. Thinner fan leaves with a lanky build set the stage for fist size buds with beautiful purple hues backed by a pungent taste of another caliber. Plants will need support in later stages to ensure they reach their maximum potential. They are worth the additional maintenance and care.

YIELD: Cinnamon Buddha has great yield capabilities. Plants outdoors can yield as much as 6-8Lbs + per plant Or up to 4000+ grams. Yields indoors could be expected at 400g-450g per Sq meter.

IMPORTANT NOTE!! All yields are contingent upon the following:

- Time of year of planting (after last freeze)
- Annual weather conditions
- Lines of latitude and longitude
- Size of pot or container or growing median of use -diet and nutrition
- Preventative maintenance against pests and disease

TERPENES AND FLAVOR: Strong tones of spicy cinnamon, pine, nutmeg and lemon pepper with earthy rich citric undertones.

EFFECTS: Strong body effects followed by long lasting relaxing and calming sensations. Great for end of day use and pain relief. Excellent for sleeping.

CULTIVATION TIPS: Classic OG structure and development are evident through the primary developmental stages. Long spacing between internode sites accompanied by thinner fan leaves make for explosive growth transitioning into flowering. Plants will more than double in size headed into the flowering period and should be assisted with double layer trellising indoors. “SCROG” techniques are ideal as well as “sea of green” methods due to the abundant light penetration into the second layers of canopy. Bud development has substance to the bottom of the stem and should be left as secondary and third layers of canopy have a tendency to maintain density and contribute weight to the end result. Stronger feeding regimens during flowering cycles will maximize yield. A modest consumer of nitrogen, this strain is genetically inclined to finish densely. Good leaf to calyx ratio will make for a quick and easy trim with fantastic bag appeal.

CHARACTER TRAITS (DATA)

Sex: Feminized

Genotype: 85%Indica / 15%Sativa

Lineage: Triangle OG x Fire OG

Preferred Climate Conditions: Dry arid\Mountain Desert

Flowering Duration (indoor): 63

Harvest Period (Long term outdoor): Mid-October

Outdoor Height: up to 15 ft. or 4.5m

THC: 21-24%+
CBD: 0.1%

GREEN CRACK

INTRODUCTION: Our very own Green Crack is a Sativa-dominant feminized cannabis strain conceived for cannabis connoisseurs. If you buy Green Crack Seeds, you will discover a rounded, stable, high-yielding, fruity plant that grows incredibly fast. Green Crack is a cannabis seed of distant origins that comes from a 1989 SSSC Skunk#1 and an isolated Afghani cut. The result is a beautiful marijuana plant that grows vigorously and boasts amazing stability.

MORPHOLOGY: Its structure, reminiscent of a Christmas tree, is home to an impressive amount of buds. Resistant to mold and pests, it requires a short growing period indoors and responds best to dry, warm, sunny, temperate and Mediterranean climates outdoors.

YIELD: Indoor yield: 400-600 g/m², Outdoor yield: 1-3 kg/plant

IMPORTANT NOTE!! All yields are contingent upon the following:

- Time of year of planting (after last freeze)
- Annual weather conditions
- Lines of latitude and longitude
- Size of pot or container or growing medium of use -diet and nutrition
- Preventative maintenance against pests and disease

FLAVOR AND EFFECTS: Green Crack is a cannabis hybrid with an aroma of exotic fruit and a flavor of citrus fruit, mango, pineapple, cedar and incense. It provides a pleasant, powerful, long-lasting, cerebral, invigorating, euphoric effect that true Skunk lovers will definitely love.

Cultivation Tips::

Green Crack structure and growth patterns are evident during the initial developmental phases. Longer spacing between internode sites, paired with narrower fan leaves, enables rapid growth transitioning into the flowering stage. Plants can more than double in size as they enter the flowering period and benefit from double-layer trellising indoors. "SCROG" and "sea of green" techniques are recommended, as they allow light to reach deeper canopy layers. Bud formation is substantial down to the stem base and should be retained, as lower canopy layers often maintain density and contribute to final yield. Enhanced feeding during flowering will optimize yield potential. This strain has a high nitrogen demand and is genetically predisposed to finish with dense buds. A favorable leaf-to-calyx ratio allows for an efficient trim with appealing bag presentation.

CHARACTER TRAITS (DATA)

Sex: Feminized

Genotype: 60% Sativa / 40% Indica

Lineage: 1989 SSSC Skunk #1 x Isolated Afghani Cut

Preferred Climate Conditions: Mediterranean climates

Flowering Duration (indoor): 60-65 days

Harvest Period (Long term outdoor): Early October

Outdoor Height: 1-3m

THC: 18%+
CBD: 0.1%

September Sessions

This fast flowering series was created to provide a shorter time frame for cultivators for a number of different reasons. The deeper you go into the hemispheres(north and south) the shorter the seasons. Therefore this can limit the type of genetics typically accessible in most other regions due to variable and often unfavorable climatic conditions. These varieties will give rise to what we would call September sessions or March if we are speaking about the southern hemisphere. These varieties are more tolerable to disease and our ideal for a broader range of temperate climates and extreme environmental conditions.

We will continue to introduce a number of varieties finishing in September and soon to finish in August. This will offer more staggered harvest dates for both small and large farmers alike. With 48 day to 55 day harvest Periods it is sure to add benefit to any cultivation space. Small farmers and home growers can enjoy the benefit of harvesting earlier throughout the season negating the typical October harvests.

These strains are ideal for interval planting, providing staggered harvest dates. Staggering harvests can be critical to load balancing infrastructure, allowing small farmers and large cannabis businesses to increase the scale of their cultivations.

It's important not to let these plants get root bound in any container for too long and placed into their final homes as soon as possible. This prevents any added stress which could initiate preemptive flowering in the plant. These plants don't need much support as primary and secondary layers of canopy form hardy lateral branching and typically can support themselves.

Trellising is recommended if you want to maximize yield potential. Depending at the point of planting would be contingent on how many times you would consider topping your plant. Most of these plants do well without being topped especially for late season planting concepts.

RUNTZ Fast Flowering

INTRODUCTION: A few varieties have arrived at iconic status in the last handful of years. The inevitable cross between the Gelato and Zkittles was born. The Runtz has stormed onto the scene capturing the attention of connoisseur's palettes ever since its conception. High market prices in the past were driven by immense demand to have a taste of this unique terpene profile. We have now brought it to you in a faster and more versatile form. Vigorous and hardy, this plant needs little attention to provide bountiful harvests. A high tolerance to drought with the use of its aggressive root structure reinforces its ability to thrive in adverse conditions.

MORPHOLOGY: From its germination point, Runtz fast flowering grows quickly and aggressively throughout the vegetative stage. Large broad leaves take on deep forest green hues. Strong root development sets the stage for high metabolic demands in later stages. Compact growth needs little attention through the beginning of the plant's development. Long "castle" like colas form beautiful multicolored buds finishing with deep sweet and gassy candy aromas.

YIELD: Plants outdoors can yield as much as 1-2 Lbs per plant Or up to 1000 grams. Yields indoors could be expected at 400g-450g per Sq meter.

IMPORTANT NOTE!! All yields are contingent upon the following:

- time of year of planting (after last freeze)
- annual weather conditions
- lines of latitude and longitude
- size of pot or container or growing median of use
- diet and nutrition
- preventative maintenance against pests and disease

TERPENES AND FLAVOR: Strong notes of spicy black pepper with sharp gassy aromas accompany an unmistakable essence of sweet and sour candy with earthy pine undertones.

EFFECTS: This plant is great for daytime use and daytime activities. Excellent for creativity as well as mild pain relief. Great for functional use.

CULTIVATION TIPS: Runtz fast flowering starts off with incredible strength, hardiness and vigor from the point of germination. Be quick to transplant these girls into their final homes to prevent any unneeded stress which could potentially trigger Preemptive flowering which typically occurs from plants becoming too root bound. Plant spacing depends on the time of season when transplanting ranging from 1 to 2 m or 3 to 8 feet. That generally reaches 6-8 feet in height or 2-2.5 m. Though low maintenance, plants can't handle a strong feeding regimen due to high metabolic function. Large bud sites form in both primary and secondary layers of canopy providing dense buds with great leaf to calyx ratios. Ideal for large and small scale extraction.

CHARACTER TRAITS (DATA)

Sex: Feminized

Genotype: 70% Indica / 20% Ruderalis /10% Sativa

Lineage: Runtz x Uncirculated OG Auto

Preferred Climate Conditions: All climates

Flowering Duration (indoor): 50-53 days

Harvest Period (long term outdoor): End of September

Outdoor Height: 6-8ft+ or 2-2.5m+

THC: 18-21%+

CBD: 0.1%

ICE CREAM CAKE Fast Flowering

INTRODUCTION: This underground cult classic bred by the infamous Seed Junkie from Los Angeles took the industry by storm over the last few years. These unique genetics express the essence of what so many consumers pursue in the realms of flavor and taste. From high-quality extractions to premium slow cured flowers, this variety has found itself in thousands of cannabis dispensaries across the country in all shapes and forms. Known for its saliva-inducing terpene profile, Ice Cream Cake has now been bred by HSO in-house to increase its resistance to disease and its ability to be grown in more regions due to a shorter time frame. It's a full-sun and heat loving plant though it can handle a range of climatic environments and temperate conditions Making it an incredible addition to any collection seasonal genetic lineup.

MORPHOLOGY: Hardy and compact growth are supported by strong root development. Large broad fan leaves form early with deep hues of forest green. Compact in physical disposition, they fend well in high winds and do well supporting their own weight. Large colas in finishing stages are accentuated with high resin counts and beautiful Shades of purple and forest green. Strong secondary and third layers of canopy provide great additional yield support forming dense compact buds. Great light penetration due to the spacing between Internode sites. This results in substantial bud development all the way down the stem into the lower layers of canopy.

YIELD: Plants outdoors can yield as much as 1-2Lbs per plant Or up to 1000 grams. Yields indoors could be expected at 400g-450g per Sq meter.

IMPORTANT NOTE!! All yields are contingent upon the following:

- Time of year of planting (after last freeze)
- Annual weather conditions
- Lines of latitude and longitude
- Size of pot or container
- Growing median of use
- Diet and nutrition
- Preventative maintenance against pests and disease

TERPENES AND FLAVOR: Sweet candy essence with touches of cinnamon and spicy pepper. Rich hashy aromas and flavors followed by sweet and complex gassy notes.

EFFECTS: Great for daytime use and outdoor activities. Excellent for creativity such as art and music as well as assisting mild pain relief. Great for functional use.

CULTIVATION TIPS: Rapid germination and very vigorous from early pints of inception. Explosive vegetative development early on with aggressive route growth. It is highly recommended to support strong metabolic function. These plants are low maintenance throughout the course of their life cycle. They also are quite grower friendly and can be cultivated by a broad range of skill sets. Compact and spherical development appears in later stages. Contingent upon how large you intend on growing your plants would entail how many times you would consider topping them. These plants do well in High-winds due to their compact growth. They perform quite well in a range of temperate environments. Spacing in the field would be contingent upon the time of year of planting, ranging anywhere from 1-2m+ or 3'-6ft. To minimize any unnecessary stress, be sure to transplant this variety into its final home as soon as possible or be sure to stay on top of your transplanting cycles preventing plants from getting root bound. This will minimize any premature flowering potential.

If cultivating indoors, plants typically do not need to be topped but this would be contingent on the intended length of the vegetative cycle or the quantity of plants intended to cultivate.

CHARACTER TRAITS (DATA)

Sex: Feminized

Genotype: 70% Indica / 20% Ruderalis / 10% Sativa

Lineage: Ice Cream Cake x Uncirculated Elite OG Auto

Preferred Climate Conditions: All Climates

Flowering Duration (indoor): 53-55 days

Harvest Period (long term outdoor): End of September

Outdoor Height: 2-2.5m+ or 6'-8ft+

THC: 19-21%+

CBD: 0.1%

PEANUT BUTTER BREATH Fast Flowering

INTRODUCTION: This phenomenal strain appeared not too long ago, becoming an instant classic. The underground scene had spoken and this creation was a definite winner and has gone full mainstream. The Peanut Butter Breath is the beautiful combination of Dosi-Do (Cookies x OG Kush) and Mendo Breath(OGKB x Mendo Montage) making for a gassy and sweet pastry like finish. With an unforgettable glossy deep purple shimmer while bag appeal is undeniable. It has been showcased across dispensaries across the country and acclaimed for its edgy terpene profile. A sure winner for anyone chasing for the love of flavor.

MORPHOLOGY: Compact vigorous growth initiates the very beginning for the Peanut Butter Breath fast flowering. Large broad dark green fan leaves fill out early. Strong and aggressive root systems Create strong metabolic demands throughout the course of the life cycle. A definitive spherical shape develops in more mature stages as this plant. Strong secondary and third layers are fit to support large bud development in the final stages of the cycle. Dense and compact bud development displays beautiful shades of purple and lime green hues covered in resin.

YIELD: Plants outdoors can yield as much as 1-2Lbs per plant Or up to 1000 grams. Yields indoors could be expected at 400g-450g per Sq meter.

IMPORTANT NOTE!! All yields are contingent upon the following:

- Time of year of planting (after last freeze)
- Annual weather conditions
- Lines of latitude and longitude
- Size of pot or container
- Growing median of use
- Diet and nutrition
- Preventative maintenance against pests and disease

TERPENES AND FLAVOR: Nutmeg and cinnamon cookie with strong earthy notes met by equally strong overtones of sweet gas aromas followed by pine and spicy pepper.

EFFECTS: Great for daytime use and outdoor activities. as well as assisting mild pain relief. Great for functional use. Long lasting mild body sensations.

CULTIVATION TIPS: From the start of germination the development begins rapidly supported with aggressive root growth and fan leaf development early on. Broad fan leaves take shape as growth remains compact through the beginning of vegetative stages. Plants are compact in genetic disposition making for effective use and high wind areas. Plants typically range 6 feet to 8 feet in height or 2 to 2.5 m. Spacing between plants outdoors would be typically 3 to 6 feet or 1 to 2 m. They are generally low maintenance Will require a modest feeding regimen to maintain health and vigor. Indoor cultivation plants typically do not need to be topped but that would be contingent upon the intended size of the plant in the intended space. Trellising is recommended to support later development indoors and could be utilized outdoors as well. An easy plant to grow with a lot of high-quality desirable traits finishing with a great leaf to calyx ratio and great bag appeal.

CHARACTER TRAITS(DATA)

Sex: Feminized

Genotype: 70% Indica / 20% Ruderalis /10% Sativa

Lineage: Peanut Butter Breath x Uncirculated Elite OG Auto

Preferred Climate Conditions: All Climates
Flowering Duration (indoor): 48-53 days
Harvest Period (long term outdoor): middle to end of September
Outdoor Height: 2-2.5m+ or 6'-8ft+
THC: 18-21%+
CBD: 0.1%

WHITE RUNTZ Fast Flowering

INTRODUCTION: Multiple phenotype selections are common when you cross top quality genetics. The White Runtz is a perfect example, stemming from the infamous Runtz lineage. This phenotype was selected for its large yield, vigorous growth and overall low maintenance characteristics. These genetics combined with our uncirculated elite OG auto to shorten the flowering cycle and therefore broadening its reach to more climates across the world.

Extremely coated with resin and highly resistant to adversity, this plant is sure to provide a plentiful harvest with an amazing and unforgettable terpene profile all grower's should experience.

MORPHOLOGY: Strong compact and stout growth can be anticipated through the preliminary stages of development. Aggressive root systems

Fill out quickly setting the stage for strong metabolic demands throughout the course of the life cycle. White Runtz FF is a full sun loving plant with big broad dark green fan leaves and hardy branching to support large bud sites in final stages. Large resin coated buds display beautiful shades of purple and other multicolor fall expressions. A great leaf to calyx ratio finishing with great bag appeal.

YIELD: Plants outdoors can yield as much as 1-2+Lbs per plant Or up to 1000 grams+ Yields indoors could be expected at 450-500g per Sq meter

IMPORTANT NOTE!! All yields are contingent upon the following:

- Time of year of planting (after last freeze)
- Annual weather conditions
- Lines of latitude and longitude
- Size of pot or container
- Growing median of use
- Diet and nutrition
- Preventative maintenance against pests and disease

TERPENES AND FLAVOR: Sweet candy cane with spicy pine and sour citrus overtones. Deep and complex sharp gassy and black pepper undertones and aromas.

EFFECTS: Great for daytime use and outdoor activities. as well as mild pain relief. Great for functional use. Long lasting mild body sensations.

CULTIVATION TIPS: Suited for all cultivation levels, the White Runtz meets all the low maintenance criteria though high metabolic demands should be taken into consideration. High tolerance to drought, pests and disease allows for a "set it and forget it" proposition. These plants perform great in dry and arid conditions as they truly fend well in all climates. Be sure to prevent this variety from becoming root bound between transplants as it is recommended to get them into their final containers or destinations as soon as possible. Trellising is recommended for later stages to support large terminal site development. Spacing between plants can range anywhere from 1-2 m or 3'-6'ft. Heights reaching 2-2.5 m or 6'-8ft.

White Runtz FF has compact spherical development and performs well in high-wind zones and regions. The plant is supported with hardy branches for the final stages.

CHARACTER TRAITS (DATA)

Sex: Feminized

Genotype: 70% Indica / 20% Ruderalis /10% Sativa

Lineage: White Runtz x Uncirculated OG Auto

Preferred Climate Conditions: All Climates

Flowering Duration (indoor): 50-55

Harvest Period (long term outdoor): End of September

Outdoor Height: 2-2.5m+ or 6'-8ft.+

THC: 19-21%+

CBD: 0.1%

Autoflower

Auto flowering cannabis plants are unique creatures in the realm of cultivation. Humboldt Seed Organization has been an industry leader in the production of Auto-flowering plants for more than a decade. We were the first North American brand to develop high end premium Auto flowering varieties and bring them to the global marketplace. We are extremely excited to introduce our new lineup of high-quality Auto-flower genetics while we continue to innovate and provide you with new and exciting hype varieties soon on the horizon. STAY TUNED!!!

Auto flowering plants are versatile on many levels and provide great benefits to small and large cultivators alike. Whether supporting smaller supplemental harvests between larger long-term crops or simply enjoying a few extra low maintenance plants on your terrace or patio throughout the season, these varieties provide a quick and efficient means to harvesting high-quality premium flowers in a short amount of time with little or no effort. Aggressive and resilient by nature due to their Short lifecycle, creates strong metabolic demands from the start to finish and contingent upon the size of your containers will determine greatly the quantity of yield per plant.

Light water regimens during preliminary stages of development are key to the success of the end result. The primary weeks of development entail small amounts of water, stronger doses of nutrition, plenty of sunlight or artificial light and a highly aerated median or soil. When cultivated indoors light cycles are typically 20/4, while outdoor cycles are optimized closest to the summer/winter solstice.(contingent on hemisphere) Plants can be cultivated during early spring and late fall into winter contingent upon your lines of latitude and climatic variabilities. These plants thrive under adverse conditions and the first few weeks are critical in order for plants to reach Optimal heights to support their explosive development in later stages.

Ranging 75 to 90 days from seed to finish, these varieties provide ideal circumstances for farmers and cultivators seeking to get a leg up on an early high quality harvest.

IMPORTANT NOTE: Adjusting to find optimal water consumption for auto-flowering plants takes time to understand if you are new at growing Autos.The biggest mistakes made in cultivating them is TOO MUCH WATER. It's always best to start with the smallest amounts possible (30ml) as they thrive on higher application rates with less quantity in spaced out intervals to achieve best results. LESS IS MORE.....

OG KUSH AUTO

INTRODUCTION: Leading the industry for a decade in autoflower development, HSO's flagship project was the OG Kush. With unbelievably dank terpene expressions, it seemed only fitting to start here. Six years in, HSO continues to develop this line and improve upon this innovative gem. Plants can reach amazing heights of 6 ft in just a short 78 days providing beautiful glossy resin covered colas. Lanky in stature yet hardy and robust from her ruderalis parentage line, this plant continues to amaze. A true masterpiece to be experienced with great ease by any grower.

MORPHOLOGY: From inception growth is explosive, the OG Kush auto flower displays aggressive root development. Thinner fan leaves are accompanied by long spacing between internodes. Approximately 28 days from germination bud development proceeds as plant's will more than double in size until finishing stages. Hardy secondary and third layer branching support Large color sets. Beautiful purple shades and deep green Hughes complement highly resinous covered buds.

YIELD:

Outdoor cultivation: 25-80g+ per plant

Indoor cultivation: 25-80g+ per plant

Auto-flower yields are contingent upon the following:

- quantity of water
- size of container
- amount of light received
- nutritional regimen
- aeration of the soil/median

TERPENES AND FLAVOR: Defined notes of gassy lemon cleaner, diesel fuel with pine and lemongrass. Sharp acrid tones of pine and menthol undertones.

EFFECTS: Effects or Indica dominant With strong body sensations that last for hours as this is great for end of day use as well as pain relief. Beneficial sleep aid.

CULTIVATION TIPS: From the point of inception fast and aggressive growth can be expected providing strong root systems which should be supported by strong nutritional regimens. All seed starts should be transplanted directly into their final home. No transplanting!!

This ensures minimal shock and maximizes the growth potential of the plants considering the incredibly short gestation period of just 78 days Watering schedules should be incredibly modest through the primary three weeks of development to ensure plants reach desired heights to support large yields in later stages. 30 mL of water is a standard application and best applied in multiple intervals once plants reach into the third week of growth.

CHARACTER TRAITS (DATA)

Sex: Feminized

Genotype: 60% Indica / 30% Ruderalis / 10% Sativa

Lineage: OG Kush x Ruderalis

Preferred Climate Conditions: All climates

Flowering Duration (indoor): 78 days seed to finish

Harvest Period (long term outdoor): 78-90 days

Outdoor Height: up to 2m or 6ft

THC: 18-21%+
CBD: 0,1%

CHEM-BOMB AUTO

INTRODUCTION: This 5th generation selection evolved from our initial Chem '91 X our elite uncirculated Bubba Kush auto. Unique genetics originate from our exclusive privately-held breeding stock. High yields and amazing bag appeal raise the bar for autoflowers. Strong fast and tropical floral aromas develop in later stages dominating the foreground. Amazing leaf to calyx ratios accentuate the low maintenance effort required to achieve great results. An absolute must for all collectors and cultivators alike.

MORPHOLOGY: Aggressive in compact growth developed during primary stages setting the structure for big production during final weeks of flowering. Lateral branching in secondary and third layers of canopy can support heavy weight as these plants need very little physical attention apart from lots of sun and a strong nutritional diet to support high metabolic demands. Light watering through primary weeks is key to maximize growth as plants begin flowering after just 28 short days. Big broad fan leaves develop quickly due to an aggressive root system. Long dense and super resinous colas carry a lot of yield and are great for all types of extraction in addition to slow cure flowers.

YIELD:

Outdoor cultivation: 25-200g+ per plant
Indoor cultivation: 25-80g+ per plant, 450g-500g per sq meter

Auto-flower yields are contingent upon the following:

- quantity of water
- size of container
- amount of light received
- nutritional regimen
- aeration of the soil/median

EFFECTS: The Indica dominant genotype makes for strong body sensations followed by a long relaxing finish. Great for end of day use.

CULTIVATION TIPS: Chem-Bomb starts the flowering cycle 4.5 short weeks after germination as plants continue to stretch and grow into the 8th week of development. This strain is optimal for short summer seasons and is best grown in high density to maximize output per square area. During developmental stages, minimal water is required to maximize potential growth rate prior to the flowering period. Hardy lateral branching in secondary and third layers of canopy make for very even growth and big production value in later stages. 20/4 light cycles are necessary for the Chem-bomb to reach optimal size indoors, while summer solstice cultivation outside will create the most productive growth potential. High nutritional demands require very aggressive feeding regimes to reach optimization. This strain performs well in temperate climatic environments well supported by a strong resilience against disease.

CHARACTER TRAITS (DATA)

Sex: Feminized

Genotype: 70% Indica / 20% Ruderalis /10% Sativa

Lineage: Chemdawg '91 x Bubba Kush Auto

Preferred Climate Conditions:

Flowering Duration(indoor):

Harvest Period (Long term outdoor):

Outdoor Height: up to 1m or 3ft
THC: 18-21%+
CBD:

CHOCOLATE MINT OG AUTO

INTRODUCTION: Created from one of our most prized genetics, the Chocolate Mint OG, this exquisite variety is known for its complex and unique terpene profile. It was combined with the highly sought after terpene profile of the OG Kush auto. The outcome was this gorgeous creation with a high resin count and an amazing leaf to calyx ratio accompanied by outstanding smell and taste. Tall, lanky and sun loving, this plant thrives in dry and arid mountainous and desert climates as well as more challenging temperate conditions and environments. Diversify your collection with this resinous gem.

MORPHOLOGY: Fast and vibrant growth establishes itself early in the primary stages after germination. Thinner fan leaves maintain a sativa appearance. Plants develop big spacing between internodes. Rapid vertical growth through the first few weeks then proceeds into flowering after just 4 short weeks.

Plants continue to grow through the eighth week from the point of germination reaching heights of 1 1/2 m or 4 1/2 feet tall. A large elongated terminal cola is supported by smaller golf ball size buds forming on secondary and third layers of canopy that still contain substance all the way down the stem helping to contribute to overall yield. Chocolate Mint has amazing bag appeal with a sharp gassy pungent aroma finishing with little maintenance to achieve great results.

YIELD:

Outdoor cultivation: 25-200g+ per plant
Indoor cultivation: 25-80g+ per plant, 450g-500g per sq meter

Auto-flower yields are contingent upon the following:

- quantity of water
- size of container
- amount of light received
- nutritional regimen
- aeration of the soil/median

TERPENES AND FLAVOR: Sharp Gassy and acrid aromas are supported by earthy, pine and chocolate undertones. Mild mint and menthol accents.

EFFECTS: Strong Indica effects resulting in long lasting body sensations. Great for end of day use and relaxation. Good for mild pain relief.

CULTIVATION TIPS: Chocolate Mint OG Auto has aggressive root development during the beginning few weeks of growth. Once germinated seed starts must be transplanted immediately into their final homes. No intermediary trans planning is necessary. Plants Optimal The Grill in Dryer conditions with small water applications throughout the first few weeks of growth. Approximately four weeks in two development buds begin to develop the plants will continue to grow through the eighth week Flowering. Large terminal callers will be supported by secondary and third layers of buds. Plants perform best and maximize production using Trellising or some form of staking. Great light penetration leaves for little maintenance Though metabolic demands are still high so take notice of nutritional and dietary needs. Happy growing.

CHARACTER TRAITS (DATA)

Sex: Feminized
Genotype: 70% Indica / 20% Ruderalis / 10% Sativa
Lineage: Chocolate Mint OG x OG Auto
Preferred Climate Conditions: All Climates
Flowering Duration(indoor): 75-78 days
Harvest Period (Long term outdoor): 78-90 days
Outdoor Height: 1-1.5m\ 3-4ft
THC: 18-21%+
CBD: 0.1%

PINEAPPLE CHEM AUTO

INTRODUCTION: An incredible explosion of tropical fruit and sweet floral aromas dominate this high-yielding AAA auto-flower. The pineapple Chem-bomb is an exquisite combination of our Green Crack auto and Chem-bomb auto-flower male, resulting in a plant robust and vigorous supported by strong lateral branching built for heavy yields.

A long terminal cola is accompanied by beautiful, dense and resinous secondary bud sites all the way to the bottom of the stem. Great for extraction while still boasting an eye-popping bag appeal. This strain doesn't disappoint and with just 78 short days from seed to finish, it's well worth its value for the minimal energy and time spent for such a premium end result.

MORPHOLOGY:Fast germination periods are followed by rapid route development into the primary weeks of growth. Be quick to move to their final destinations as secondary leaf development fills in quickly, displaying broad dark green fan leaves. Bud development initiates after just for a short few weeks as plants will continue to stretch through about the eighth week of flowering. Hardy infrastructure supports big bud development in final stages. With a cactus like appearance, this plant fills out quite well, maximizing the leaf to stem to calyx ratio. High production value is evident and maintenance is minimal while glistening with trichomes.

YIELD:

Outdoor cultivation: 25-200g+ per plant
Indoor cultivation: 25-80g+ per plant, 450g-500g per sq meter

Auto-flower yields are contingent upon the following:

- quantity of water
- size of container
- amount of light received
- nutritional regimen
- aeration of the soil/median

TERPENES AND FLAVOR: Loud and vibrant notes and mango pineapple and berries followed by complex Gassy and floral undertones finishing with sweet pine and mild citrus aromas

EFFECTS: Mild cerebral high with long lasting body sensations. Great for relaxation and light outdoor activities. Great for minor pain and anxiety relief.

CULTIVATION TIPS: From the point of inception, seeds germinate rapidly and should be moved into their final destination as soon as possible. Big broad fan leaves can be expected after the first few sets of nodes develop and compact growth proceeds. Plants remain modestly compact through the course of their life cycle as it's important through the preliminary 4 weeks to water lightly as plants receive

feedings(30ml) optimally through small applications in more rhythmic intervals as plants mature. Overwatering is typically the biggest mistake made in cultivating auto flowers. Take notice. Plants will reach lights of 2.5' to 3' or .75-1m. and as tall as 4' or 1.25m if run under optimal conditions. Remember the bigger the container the bigger the potential yield yet the longer the flowering cycle. Flowering cycles indoors should be 20/4 And perform best in highly aerated medians with strong feeding regimens. Trellising or staking is NOT necessary in most cases as these plants are quite self supporting.

CHARACTER TRAITS (DATA)

Sex: Feminized

Genotype: 70% Indica / 20% Ruderalis / 10% Sativa

Lineage: Green Crack Auto X Chem-bomb Auto

Preferred Climate Conditions: All Climates

Flowering Duration (indoor): 78+ days seed to finish

Harvest Period (long term outdoor): 78+

Outdoor Height: 0.75m-1.25m or 2.5'-4ft

THC: 18-21%

CBD: 0,1%

GREEN CRACK AUTO

INTRODUCTION: This timeless California classic has been transformed now into a boutique and elite Autoflower variety capturing the sweet and undeniable tropical essence of the infamous Green Crack. From seed to finish in just 78 days this high performance beauty displays robust and vigorous growth with strong lateral branching to support large fist size bud sites covered with wet looking trichomes. This innovation on a AAA classic heirloom so highly desired for more than two decades leaves cultivators beyond satisfied with the end results.

MORPHOLOGY: Quick activated germination initiates with strong root systems and should be placed into their final destination promptly. Development unfolds rapidly as thinner Fan leaves are displayed throughout the course of the lifecycle with greater spacing between internodal sites. Just 4 weeks short from germination plants begin to flower though will continue to stretch through week 8 of flowering. A long and stacking terminal but the site forms supported by strong and productive secondary in third layers of branching. Lateral branching is hardy and provides a great relief to stand to calyx ratio Finishing with fantastic bag appeal.

YIELD:

Outdoor cultivation: 25-200g+ per plant

Indoor cultivation: 25-80g+ per plant, 450g-500g per sq meter

Auto-flower yields are contingent upon the following:

- quantity of water
- size of container
- amount of light received
- nutritional regimen
- aeration of the soil/median

TERPENES AND FLAVOR: Loud in bold tropical fruit with sharp acrid tones. Mango and pineapple undertones are accompanied by sharp pine and pepper aromas

EFFECTS: Great for daytime use and daytime activities. Excellent for creative thinking and anxiety relief. Mild cerebral effects with slightly stronger and long lasting relaxing body sensations

CULTIVATION TIPS: From point of germination, seed starts time should be minimized before transplanting in the final destination to minimize any Unnecessary shock and also to maximize growth and yield potential. The faster they arrive in their homes the more productive they are. Plants in later stages can be assisted with trellising to maximize production value. When planting indoors, optimal light cycles are 20/4 best supported by a highly aerated medians and a strong feeding regimen. These plants have a high resistance to disease and pests, therefore, require little maintenance other than to meet strong metabolic demands.

CHARACTER TRAITS (DATA)

Sex: Feminized

Genotype: 50% Sativa / 30% Ruderalis / 20% Indica

Lineage: Green Crack X Ruderalis

Preferred Climate Conditions: All Climates

Flowering Duration (indoor): 78+

Harvest Period (long term outdoor): 78-90+

Outdoor Height: 0.75-1.5m or 2.5ft.-4.5ft

THC: 18-21%+

CBD: 0.1%

MANGO OG AUTO

INTRODUCTION: The auto flower evolution continues as the pursuit of loud and dominant terpene profiles are now the driving force behind the movement. The mango OG auto packs high intensity flavor while packing on the weight as well. Large gassy and sweet colas form in just 78 short days from seed to harvest. Aggressive growth and development by nature with a strong appetite, these plants need minimal attention other than to meet their tenacious nutritional demands. The Mango OG auto loves intense sunlight for outdoor cultivation while producing complex intense aromas with high resin content. For those seeking all the components necessary to achieve great results, look no further as this strain provides commercial production appeal with premium bag appeal.

MORPHOLOGY: Explosive root development from initial stages followed by quick vertical growth. It's best to get these ladies into their final destinations just shortly after germination. Thinner fan leaves and more spacing between internodal sights set the stage for tall and lanky development throughout the lifecycle. Plants can reach heights of nearly 2m. They develop a large terminal cola supported by secondary and third layer lateral branching. High resin content and an amazing leaf to stem to calyx ratio.

YIELD:

Outdoor cultivation: 25-200g+ per plant

Indoor cultivation: 25-80g+ per plant, 450g-500g per sq meter

Auto-flower yields are contingent upon the following:

- quantity of water
- size of container
- amount of light received
- nutritional regimen
- aeration of the soil/median

TERPENES AND FLAVOR: Spicy mango with sharp Pine and black pepper overtones, complemented by sweet tropical fruit and deep floral notes.

EFFECTS:Relaxing cerebral sensations followed by long lasting, yet mild body high. Great for daytime use and outdoor activities. Works well for anxiety.

CULTIVATION TIPS: From the point of germination be sure to get these plants into their final homes as quickly as possible to maximize growth rate and overall yield potential. After just 4.5 short weeks plants show the first sign of flowering. Mango OG auto will continue to stretch all the way through the eighth week of the flowering cycle. Plants are best maintained using Trellising in order to support heavy but production in the final stages. Strong feeding regimens are recommended to meet high metabolic demand. Plants prefer intense sunlight around either winter or summer solstice contingent upon your hemisphere. Indoor is recommended at 20/4 In order to create optimal production conditions.

CHARACTER TRAITS (DATA)

Sex: Feminized

Genotype: 45% Indica / 30% Ruderalis / 25% Sativa

Lineage: Green Crack Auto x OG Kush Auto

Preferred Climate Conditions: All Climates

Flowering Duration (indoor): 78+ days

Harvest Period (long term outdoor): 78-90+ days

Outdoor Height: 1m-2m or 3'-6ft

THC: 18-21%+

CBD: 0.1%

OGKZ AUTO

INTRODUCTION: Created from one of the most highly demanded strains in HSO's lineup, meet the new OGKZ Auto. This evolutionarily hybrid is changing the autoflower game. This leap forward reflects the tireless selection and work put into creating great genetics. This sun loving vigorous and robust plant thrives in adverse conditions yet when grown in optimal environments Production value and quality exceeds expectations. This is a MUST addition to any library and creates great promise for the future of auto flowering genetics.

MORPHOLOGY: Seeds rapid germination form quickly into small compact plants with broad fan leaves ghosting deep forest green color. More compact and stout throughout the course of the life cycle, OGKZ auto has strong metabolic tendencies. Plants boast great leaf to stem to calyx ratios well back with a sharp pungency of complex floral in gassy notes. Plants begin flowering roughly 28 days From the point of germination and will continue growing through the 55th day of the gestation cycle. OGKZ auto forms a large elongated terminal cola with beautiful shades of purple supported by strong secondary in third layers of lateral branching covered in frosty dense buds.

YIELD:

Outdoor cultivation: 25-200g+ per plant

Indoor cultivation: 25-80g+ per plant, 450g-500g per sq meter

Auto-flower yields are contingent upon the following:

- quantity of water
- size of container
- amount of light received
- nutritional regimen
- aeration of the soil/median

TERPENES AND FLAVOR: Sweet And sour candy essence with hints of spicy peppermint backed by equal aromas of black pepper and sharp forest pine followed by a gassy finish.

EFFECTS: Are strong and long lasting body high. Great for end of day use and relaxation. Works well with anxiety. Mellow and calming.

CULTIVATION TIPS: From the point of propagating seeds be sure to take notice to rapid development through the first few weeks. It's important to transplant your seed starts to their final destination as soon as possible. This ensures you can optimize production value as transplanting is NOT recommended. Compact in genetic stature these varieties are best planted in high density and will reach Heights of 3 feet or 1 m. With a great leaf to stem to calyx ratio production value is very high. One layer Trellising Is recommended to support larger by development final stages of the life cycle. Strong metabolic demands require heavier feeding regimens throughout the course of the flowering period. Great for extraction and does quite well for fresh frozen preparation due to minimal green material. Happy Growing!!

CHARACTER TRAITS (DATA)

Genotype: 70% Indica / 20% Ruderalis / 10% Sativa

Lineage: OGKZ x Elite OG Kush Auto

THC: 16-18%

CBD: 0.1%

Indoor Days: 78-83

Indoor Yield: 25-90+grams per plant

Outdoor Days: 78-90+ days

Outdoor Yield: 45-120+ grams per plant

Outdoor Height: 0.75-1.25m+/ 2.5-4ft+

About Humboldt Seed Organization

Humboldt Seed Organization is a collective of breeders with more than 25 years in the cannabis industry. Purveyors of elite genetics for more than two decades, our meticulous selections are applied using science, technology, and years of experience in the field and in the grow room. HSO is constantly innovating and expanding our genetic library to bring new and exciting stable high quality cannabis varieties to small farmers and commercial producers alike.

Rooted in the ideology of regenerative agriculture, our core values remain in the preservation of all things in living by maintaining the ultimate respect for the natural world around us. We highly

encourage organic cultivation techniques using sustainable methods designed for closed loop concepts which minimize unnecessary inputs in order to achieve great results.

HSO is distributed in over 50 countries and over 10,000 shops across the globe in over a dozen languages. For over a decade, Humboldt Seed Organization has become an industry leader in the creation of high-quality premium U.S. cannabis genetics in the international marketplace.

HSO has formed pharmaceutical research and development partnerships for both ISO and GMP certified licensed facilities to further our pursuit within the medical and pharmaceutical industry worldwide.

We are partnered with universities in Spain and in the United States to continue to expand our genetic research. We are excited to continue on our path of innovation and evolution in regards to the amazing plant.

From small home cultivations to boutique mom and pop farms to large scale commercial production, Humboldt Seed Organization is committed to providing the highest quality stable cannabis genetics the industry has to offer.

Discover more at www.humboldtseeds.org
and purchase at www.humboldtseeds.at

BLUE DREAM

INTRODUCTION: Blue Dream is a Sativa-dominant feminized cannabis strain renowned among cannabis enthusiasts. Originating from a cross between Blueberry and a selected Haze, this

hybrid exhibits exceptional quality and yields substantial buds enveloped in a subtle, delightful aroma.

MORPHOLOGY: Blue Dream develops a robust structure with ample spacing between nodes, facilitating light penetration and promoting even growth. Its vigorous nature and resistance to mold and pests make it suitable for both indoor and outdoor cultivation. Outdoors, it thrives in dry, warm, sunny, temperate, and Mediterranean climates.

YIELD: Indoor yield: 400-600 g/m²
Outdoor yield: 2-3 kg/plant

Note: Actual yields depend on factors such as planting time (post-last frost), annual weather conditions, geographical location, container size or growing medium, nutrition, and preventive measures against pests and diseases.

FLAVOR AND EFFECTS: Blue Dream offers an aroma reminiscent of Haze, citrus fruit, and cedar, with a lemony flavor complemented by hints of pine, incense, sweet fruit, and Haze. It delivers a potent, long-lasting, clear, cerebral effect, making it a favorite among Sativa lovers.

CULTIVATION TIPS: Blue Dream's structure and growth patterns are evident during the initial developmental phases. Longer spacing between internode sites, paired with narrower fan leaves, enables rapid growth transitioning into the flowering stage. Plants can more than double in size as they enter the flowering period and benefit from double-layer trellising indoors. "SCROG" and "sea of green" techniques are recommended, as they allow light to reach deeper canopy layers. Bud formation is substantial down to the stem base and should be retained, as lower canopy layers often maintain density and contribute to final yield. Enhanced feeding during flowering will optimize yield potential. This strain has a modest nitrogen demand and is genetically predisposed to finish with dense buds. A favorable leaf-to-calyx ratio allows for an efficient trim with appealing bag presentation.

CHARACTER TRAITS (DATA):

- **Sex:** Feminized
- **Genotype:** 70% Sativa / 30% Indica
- **Lineage:** Blueberry x Selected Haze
- **Preferred Climate Conditions:** Mediterranean climates
- **Flowering Duration (indoor):** 65-70 days
- **Harvest Period (outdoor):** Mid-October
- **Outdoor Height:** 3-4 m
- **THC:** 19%
- **CBD:** 0.1%

AMHERST SOUR DIESEL

INTRODUCTION: Amherst Sour Diesel is a Sativa-dominant feminized cannabis strain developed by Humboldt Seed Organization. This potent hybrid is a cross between Chemdog

and Amherst Super Skunk, resulting in a vigorous plant known for its high yields and robust effects.

MORPHOLOGY: Amherst Sour Diesel exhibits a strong, resilient structure with elongated buds that emit an intense aroma. It thrives in various environments, including indoor setups and outdoor gardens in warm, dry, temperate, and Mediterranean climates.

YIELD: Indoor yield: 400-600 g/m²
Outdoor yield: 1-3 kg/plant

Note: Actual yields depend on factors such as planting time (post-last frost), annual weather conditions, geographical location, container size or growing medium, nutrition, and preventive measures against pests and diseases.

FLAVOR AND EFFECTS: Amherst Sour Diesel offers a complex aroma with pungent fruity wood and diesel notes, while its flavor profile includes hints of tropical fruit, woody undertones, and a noticeable gassy aroma. It delivers a powerful, long-lasting, euphoric high that is both uplifting and energizing, making it ideal for social activities and creative endeavors.

CULTIVATION TIPS: Amherst Sour Diesel's structure and growth patterns are evident during the initial developmental phases. Shorter spacing between internode sites, paired with wider fan leaves, enables rapid growth transitioning into the flowering stage. Plants can double in size as they enter the flowering period and benefit from double-layer trellising indoors. "SCROG" and "sea of green" techniques are recommended, as they allow light to reach deeper canopy layers. Bud formation is substantial down to the stem base and should be retained, as lower canopy layers often maintain density and contribute to final yield. Enhanced feeding during flowering will optimize yield potential. This strain has a modest nitrogen demand and is genetically predisposed to finish with dense buds. A favorable leaf-to-calyx ratio allows for an efficient trim with appealing bag presentation.

CHARACTER TRAITS (DATA):

- **Sex:** Feminized
- **Genotype:** 70% Sativa / 30% Indica
- **Lineage:** Chemdog x Amherst Super Skunk
- **Preferred Climate Conditions:** Mediterranean climates
- **Flowering Duration (indoor):** 65-70 days
- **Harvest Period (outdoor):** Mid-October
- **Outdoor Height:** 3-4 m
- **THC:** 27%
- **CBD:** 0.1%

MANGO SAPPHIRE

INTRODUCTION: Mango Sapphire is an Indica-dominant feminized cannabis strain developed by Humboldt Seed Organization. This unique hybrid results from crossing Bubba's Gift, OG

Kush, and Afghan genetics, producing a robust plant known for its vibrant colors and rich, fruity flavors.

MORPHOLOGY: Mango Sapphire exhibits a sturdy structure with dense, resinous buds adorned with bright neon green hues, thick orange pistils, and frosty white trichomes. It thrives in both indoor and outdoor environments, preferring warm, dry, and Mediterranean-like climates. The plant's resilience makes it suitable for growers of all experience levels.

YIELD:

Indoor yield: 400-600 g/m²

Outdoor yield: 1-3 kg/plant

Note: Actual yields depend on factors such as planting time (post-last frost), annual weather conditions, geographical location, container size or growing medium, nutrition, and preventive measures against pests and diseases.

FLAVOR AND EFFECTS: Mango Sapphire offers a complex flavor profile featuring notes of exotic fruits like coconut, mango, and citrus. The aroma is equally enticing, with sweet and fruity undertones. It delivers a potent, long-lasting, relaxing effect that soothes both mind and body, making it ideal for evening use or unwinding after a long day.

CULTIVATION TIPS: Mango Sapphire's growth patterns are evident during the initial developmental phases. Longer spacing between internode sites, paired with narrower fan leaves, enables rapid growth transitioning into the flowering stage. Plants will stretch by 25% in size as they enter the flowering period and benefit from double-layer trellising indoors. "SCROG" and "sea of green" techniques are recommended, as they allow light to reach deeper canopy layers. Bud formation is substantial down to the stem base and should be retained, as lower canopy layers often maintain density and contribute to final yield. Enhanced feeding during flowering will optimize yield potential. This strain has a modest nitrogen demand and will finish with compact bud sites. A favorable leaf-to-calyx ratio allows for an efficient trim with appealing bag presentation.

CHARACTER TRAITS (DATA):

- **Sex:** Feminized
- **Genotype:** 85% Indica / 15% Sativa
- **Lineage:** Bubba's Gift x OG Kush x Afghan
- **Preferred Climate Conditions:** Mediterranean climates
- **Flowering Duration (indoor):** 50-55 days
- **Harvest Period (outdoor):** Early October
- **Outdoor Height:** 2-3 m
- **THC:** 21-23%
- **CBD:** 0.1%

DOUBLE FIRE HEADBAND

INTRODUCTION: Double Fire Headband is a feminized cannabis strain that combines the potency of Fire OG bx3 with the unique characteristics of Blueberry Headband and III Kings OG.

This hybrid offers a balanced experience, delivering both cerebral stimulation and physical relaxation.

MORPHOLOGY: Double Fire Headband develops a robust structure with ample spacing between nodes, facilitating light penetration and promoting even growth. Its strength and vigor provide resistance to mold and pests make it suitable for both indoor and outdoor cultivation. Outdoors, it thrives in dry, warm, sunny, temperate, and Mediterranean climates.

YIELD:

Indoor yield: 450-660 g/m²

Outdoor yield: 1-3+ kg/plant

Note: Actual yields depend on factors such as planting time (post-last frost), annual weather conditions, geographical location, container size or growing medium, nutrition, and preventive measures against pests and diseases.

FLAVOR AND EFFECTS: Double Fire Headband offers a complex flavor profile featuring notes of ripe fruit, pine, lemon, and slightly hot spices. The aroma is equally enticing, with sweet and fruity undertones. It delivers a potent, long-lasting, relaxing effect that soothes both mind and body, making it ideal for evening use or unwinding after a long day.

CULTIVATION TIPS: Double Fire Headband's growth patterns are evident during the initial developmental phases. Longer spacing between internode sites, paired with narrower fan leaves, enables rapid growth transitioning into the flowering stage. Plants can more than double in size as they enter the flowering period and benefit from double-layer trellising indoors. "SCROG" and "sea of green" techniques are recommended, as they allow light to reach deeper canopy layers. Bud formation is substantial down to the stem base and should be retained, as lower canopy layers often maintain density and contribute to final yield. Enhanced feeding during flowering will optimize yield potential. This strain has a high nitrogen demand and typically finishes with large compact colas. A favorable leaf-to-calyx ratio allows for an efficient trim with appealing bag presentation.

CHARACTER TRAITS (DATA):

- **Sex:** Feminized
- **Genotype:** 70% Sativa / 30% Indica
- **Lineage:** Fire OG bx3 x (Blueberry Headband x III Kings OG)
- **Preferred Climate Conditions:** Mediterranean climates
- **Flowering Duration (indoor):** 65-70 days
- **Harvest Period (outdoor):** Mid-October
- **Outdoor Height:** 3-4 m
- **THC:** 19%
- **CBD:** 0.1%

MOUTH WASH

INTRODUCTION:

Mouth Wash is a feminized, Indica-dominant cannabis strain developed by Humboldt Seed

Organization. This powerful hybrid is created by crossing Collision Kush #1, originally bred by Seed Junky, with Mendo Breath. The resulting plant is vigorous, with high yields and intense effects that make it a favorite among cultivators and connoisseurs alike.

MORPHOLOGY:

Mouth Wash develops into a sturdy, resilient plant with dense, resinous buds that boast a vibrant green color and a frosty appearance. Its growth structure allows light to penetrate deep into the canopy, which supports bud development throughout the plant. Mouth Wash adapts well to indoor and outdoor environments, especially in dry, warm, sunny, and Mediterranean climates.

YIELD:

- **Indoor yield:** 500-700+ g/m²
- **Outdoor yield:** 1-3+ kg/plant

Note: Yields depend on factors like planting time, yearly weather patterns, geographic location, container size or growing medium, nutrient regimen, and pest and disease prevention.

FLAVOR AND EFFECTS:

Mouth Wash has an enticing flavor profile, with rich, earthy undertones accompanied by hints of sweet fruit and a refreshing pine note. This strain's aroma is similarly complex, carrying hints of citrus and wood that provide a nostalgic touch. The effects are powerful and long-lasting, offering a deeply relaxing experience that soothes both the mind and body, making it ideal for evening use.

CULTIVATION TIPS:

Mouth Wash exhibits strong growth characteristics from early on, with moderate spacing between internodes that allow for balanced vertical expansion and optimal light access. In the flowering phase, it can expand considerably, so supporting its structure with trellising or stakes is beneficial, especially for indoor growers. Techniques like "SCROG" (Screen of Green) help improve light distribution across the canopy, while "sea of green" is effective for maximizing yields in compact spaces.

During flowering, dense buds form along the stem, and even the lower branches produce weighty flowers that add to the total yield. Consistent and balanced feeding is essential in the flowering stage; while this strain is not a heavy nitrogen consumer, it responds well to a robust nutrient regimen. The natural compactness and resinous quality of the buds make trimming straightforward, resulting in a final product that boasts excellent bag appeal. The leaf-to-bud ratio is favorable, making post-harvest processing efficient and visually appealing.

CHARACTER TRAITS (DATA):

- **Sex:** Feminized
- **Genotype:** 65% Indica / 35% Sativa
- **Lineage:** Collision Kush #1 x Mendo Breath
- **Preferred Climate Conditions:** Mediterranean climates
- **Flowering Duration (indoor):** 55-60 days
- **Harvest Period (outdoor):** Early October

- **Outdoor Height:** 2-3 m
- **THC:** 18-22%
- **CBD:** 0.1%

PRIZMATIC

INTRODUCTION:

PriZmatic is a feminized, Indica-dominant cannabis strain developed by Humboldt Seed Organization. This potent hybrid results from crossing Black Rainbow Sherbert 11 with Mendo Breath, creating a strain celebrated for its exceptional flavor and abundant trichome production. PriZmatic is a valuable addition to any hash maker's collection.

MORPHOLOGY:

PriZmatic develops into a robust plant with a sturdy structure, supporting dense, resin-coated buds. Its vigorous growth and resilience make it suitable for both indoor and outdoor cultivation. Outdoors, it thrives in dry, warm, sunny, temperate, and Mediterranean climates.

YIELD:

- **Indoor yield:** 500-700+ g/m²
- **Outdoor yield:** 1-3+ kg/plant

Note: Actual yields depend on factors such as planting time (post-last frost), annual weather conditions, geographical location, container size or growing medium, nutrition, and preventive measures against pests and diseases.

FLAVOR AND EFFECTS:

PriZmatic offers a rich flavor profile with notes of sweet fruit, earth, and subtle hints of pine. The aroma is equally enticing, with sweet and fruity undertones. It delivers a potent, long-lasting, relaxing effect that soothes both mind and body, making it ideal for evening use or unwinding after a long day.

CULTIVATION TIPS:

PriZmatic's rapid growth patterns are displayed during the initial developmental phases. Shorter spacing between internode sites, paired with wider fan leaves, enables rapid growth transitioning into the flowering stage. Plants can double in size as they enter the flowering period and benefit from double-layer trellising indoors. "SCROG" and "sea of green" techniques are recommended, as they allow light to reach deeper canopy layers. Bud formation is substantial down to the stem base and should be retained, as lower canopy layers often maintain density and contribute to final yield. Enhanced feeding during flowering will optimize yield potential. This strain has a higher nitrogen demand and is genetically predisposed to finish with dense buds. A favorable leaf-to-calyx ratio allows for an efficient trim with appealing bag presentation.

CHARACTER TRAITS (DATA):

- **Sex:** Feminized

- **Genotype:** 70% Indica / 30% Sativa
- **Lineage:** Black Rainbow Sherbert 11 x Mendo Breath
- **Preferred Climate Conditions:** Mediterranean climates
- **Flowering Duration (indoor):** 55-60 days
- **Harvest Period (outdoor):** Early October
- **Outdoor Height:** 2-3 m
- **THC:** 18-22%
- **CBD:** 0.1%

SUNDOGZ

INTRODUCTION:

SundogZ is a feminized, Indica-dominant cannabis strain developed by Humboldt Seed Organization. This exceptional hybrid results from crossing Rainbow Zkittlez with an elite Mendo Breath clone, producing a plant renowned for its remarkable flavor and resin production.

MORPHOLOGY:

SundogZ develops into a robust plant with a sturdy structure, supporting dense, trichome-rich buds. Its vigorous growth and resilience make it suitable for both indoor and outdoor cultivation. Outdoors, it thrives in dry, warm, sunny, temperate, and Mediterranean climates.

YIELD:

- **Indoor yield:** 500-600 g/m²
- **Outdoor yield:** 1-3 kg/plant

Note: Actual yields depend on factors such as planting time (post-last frost), annual weather conditions, geographical location, container size or growing medium, nutrition, and preventive measures against pests and diseases.

FLAVOR AND EFFECTS:

SundogZ offers a complex flavor profile with notes of creamy Zkittlez kush zest and hints of pine. The aroma is equally enticing, with sweet and fruity undertones. It delivers a potent, long-lasting, relaxing effect that soothes both mind and body, making it ideal for evening use or unwinding after a long day.

CULTIVATION TIPS:

SundogZ exhibits vigorous growth with notable internodal spacing and slender fan leaves, facilitating rapid development as it transitions into the flowering phase. Anticipate the plants to more than double in height during this period; therefore, implementing double-layer trellising indoors is advisable to provide adequate support. Employing "SCROG" (Screen of Green) or "sea of green" techniques can enhance light penetration to the lower canopy levels, promoting uniform bud development. The strain produces substantial buds extending down to the stem base; retaining these lower branches is beneficial, as they often maintain density and contribute significantly to the overall yield. During flowering, SundogZ responds well to increased nutrient intake, which can optimize production. While it has a high nitrogen requirement, the strain is

genetically inclined to develop dense, resinous buds. Its favorable leaf-to-calyx ratio simplifies the trimming process, resulting in an attractive final product with strong bag appeal.

CHARACTER TRAITS (DATA):

- **Sex:** Feminized
- **Genotype:** 65% Indica / 35% Sativa
- **Lineage:** Rainbow Zkittlez x Mendo Breath
- **Preferred Climate Conditions:** Mediterranean climates
- **Flowering Duration (indoor):** 55-60 days
- **Harvest Period (outdoor):** Early October
- **Outdoor Height:** 2-3 m
- **THC:** 18-22%
- **CBD:** 0.1%

SUNSET BRIDE

INTRODUCTION:

Sunset Bride is a feminized, Indica-dominant cannabis strain developed by Humboldt Seed Organization. This exceptional hybrid results from crossing Sherb Crasher with Mendo Breath, producing a plant renowned for its remarkable flavor and resin production.

MORPHOLOGY:

Sunset Bride develops into a robust plant with a sturdy structure, supporting dense, trichome-rich buds. Its vigorous growth and resilience make it suitable for both indoor and outdoor cultivation. Outdoors, it thrives in dry, warm, sunny, temperate, and Mediterranean climates.

YIELD:

- **Indoor yield:** 500-600+ g/m²
- **Outdoor yield:** 1-3+ kg/plant

Note: Actual yields depend on factors such as planting time (post-last frost), annual weather conditions, geographical location, container size or growing medium, nutrition, and preventive measures against pests and diseases.

FLAVOR AND EFFECTS:

Sunset Bride offers a complex flavor profile with notes of sweet fruit, earth, and subtle hints of pine. The aroma is equally enticing, with sweet and fruity undertones. It delivers a potent, long-lasting, relaxing effect that soothes both mind and body, making it ideal for evening use or unwinding after a long day.

CULTIVATION TIPS:

Sunset Bride exhibits vigorous growth with notable internodal spacing and broad fan leaves, facilitating rapid development as it transitions into the flowering phase. Anticipate the plants to

double in height during this period; therefore, implementing double-layer trellising indoors is advisable to provide adequate support. Employing "SCROG" (Screen of Green) or "sea of green" techniques can enhance light penetration to the lower canopy levels, promoting uniform bud development. The strain produces substantial buds extending down to the stem base; retaining these lower branches is beneficial, as they often maintain density and contribute significantly to the overall yield. During flowering, Sunset Bride responds well to increased nutrient intake, which can optimize production. While it has a moderate nitrogen requirement, the strain is genetically inclined to develop dense, resinous buds. Its favorable leaf-to-calyx ratio simplifies the trimming process, resulting in an attractive final product with strong bag appeal.

CHARACTER TRAITS (DATA):

- **Sex:** Feminized
- **Genotype:** 70% Indica / 30% Sativa
- **Lineage:** Sherb Crasher x Mendo Breath
- **Preferred Climate Conditions:** Mediterranean climates
- **Flowering Duration (indoor):** 60-65 days
- **Harvest Period (outdoor):** Early October
- **Outdoor Height:** 2-3 m
- **THC:** 18-22%
- **CBD:** 0.1%

GORILLA BREATH

INTRODUCTION:

Gorilla Breath, a strain from Humboldt Seed Organization, combines the genetics of GG4 and OGKB, resulting in a powerful, resin-rich Indica-dominant hybrid with complex flavors and potent effects.

MORPHOLOGY:

Gorilla Breath is a compact, sturdy plant with dense buds that form thick, sticky layers of resin. This strain adapts well to both indoor and outdoor setups and thrives in warm, Mediterranean-like climates.

YIELD:

- **Indoor yield:** 450-600 g/m²
- **Outdoor yield:** 1-3 kg/plant

Note: Yield results depend on growing conditions, from soil quality to climate and pest management.

FLAVOR AND EFFECTS:

The flavor of Gorilla Breath combines earthy, pine notes with a subtle sweetness. Its effects are powerful and deeply relaxing, providing physical sedation that makes it ideal for evening use.

CULTIVATION TIPS:

Gorilla Breath is a strain that rewards growers who provide consistent care and structured

support. This strain performs exceptionally well in “sea of green” setups for indoor growing, where an even canopy can maximize bud production. Due to its sturdy branches and dense flowers, Gorilla Breath benefits from support structures like stakes and trellises, both indoors and outdoors. The plant stretches moderately during flowering, but its dense, sticky buds require well-distributed light for optimal development.

A robust feeding regimen is recommended, especially during the flowering phase, where additional potassium and phosphorus will promote dense, resin-rich buds. This strain’s response to pruning is excellent; removing lower foliage can direct more energy to top colas, enhancing bud size and density. Temperature control is also critical during the last weeks of flowering, as cooler temperatures can boost trichome production. The favorable leaf-to-bud ratio of Gorilla Breath simplifies post-harvest trimming, making it an efficient option for growers looking for a high-quality, potent end product.

CHARACTER TRAITS (DATA):

- **Sex:** Feminized
- **Genotype:** 80% Indica / 20% Sativa
- **Lineage:** GG4 x OGKB
- **Preferred Climate Conditions:** Mediterranean climates
- **Flowering Duration (indoor):** 60-65 days
- **Harvest Period (outdoor):** Early October
- **Outdoor Height:** 2-3 m
- **THC:** 25-27%
- **CBD:** 0.1%

SUGAR BREATH

INTRODUCTION:

Sugar Breath by Humboldt Seed Organization is an Indica-dominant strain derived from the cross between Do-Si-Dos and OGKB. Known for its intense sweetness and potent effects, it’s favored by growers seeking heavy, resinous yields.

MORPHOLOGY:

Sugar Breath grows into a sturdy plant with broad, dense buds that shimmer with trichomes. Well-suited to both indoor and outdoor growth, it thrives in temperate, dry climates.

YIELD:

- **Indoor yield:** 400-600 g/m²
- **Outdoor yield:** 1-3 kg/plant

Note: Yield will depend on factors such as environmental conditions and plant care practices.

FLAVOR AND EFFECTS:

Sugar Breath has a sweet, earthy flavor profile with hints of grape and pine. It delivers a powerful, relaxing effect that leans toward sedation, ideal for evening use or managing stress.

CULTIVATION TIPS:

Sugar Breath is a highly productive strain that performs well with structured support throughout its life cycle. The plant has a compact but sturdy structure, making it ideal for both SCROG and low-stress training (LST). These methods enhance yield by allowing more light to reach lower branches and encouraging even growth across the canopy. For indoor growers, keeping humidity levels low during flowering helps prevent mold development on its dense buds.

Nutritional requirements for Sugar Breath are moderate in nitrogen, with an increased focus on phosphorus and potassium for flowering. Feeding frequency should be carefully managed to avoid nutrient lockout, especially with its rich nutrient demand. Pruning and defoliation during the vegetative stage will improve airflow and promote vigorous growth, resulting in buds with high resin production. Sugar Breath's trichome-rich buds make it a rewarding strain for hash and concentrate production, and its compact growth makes trimming manageable.

CHARACTER TRAITS (DATA):

- **Sex:** Feminized
- **Genotype:** 70% Indica / 30% Sativa
- **Lineage:** Do-Si-Dos x OGKB
- **Preferred Climate Conditions:** Temperate, dry climates
- **Flowering Duration (indoor):** 60-65 days
- **Harvest Period (outdoor):** Early October
- **Outdoor Height:** 2-3 m
- **THC:** 24-26%
- **CBD:** 0.1%

BLACK RAINBOW SHERBERT

INTRODUCTION:

Black Rainbow Sherbert is a regular, Indica-dominant cannabis strain developed by Humboldt Seed Organization. This exceptional hybrid results from crossing RS11 (Sunset Sherbert x OZK GuavaV2) with the 4 way OG complex terpene profile of the mystical Geist OG, producing a plant renowned for its remarkable flavor and resin production.

MORPHOLOGY:

Black Rainbow Sherbert develops into a robust plant with a sturdy structure, supporting dense,

trichome-rich buds. Its vigorous growth and resilience make it suitable for both indoor and outdoor cultivation. Outdoors, it thrives in dry, warm, sunny, temperate, and Mediterranean climates.

YIELD:

- **Indoor yield:** 500-600 g/m²
- **Outdoor yield:** 1-3+ kg/plant

Note: Actual yields depend on factors such as planting time (post-last frost), annual weather conditions, geographical location, container size or growing medium, nutrition, and preventive measures against pests and diseases.

FLAVOR AND EFFECTS:

Black Rainbow Sherbert offers a complex flavor profile with notes of sweet fruit, earth, and subtle hints of pine. The aroma is equally enticing, with sweet and fruity undertones. It delivers a potent, long-lasting, relaxing effect making it ideal for evening use or unwinding after a long day.

CULTIVATION TIPS:

Black Rainbow Sherbert exhibits vigorous growth with notable internodal spacing and slender fan leaves, facilitating rapid development as it transitions into the flowering phase. Anticipate the plants to more than double in height during this period; therefore, implementing double-layer trellising indoors is advisable to provide adequate support. Employing "SCROG" (Screen of Green) or "sea of green" techniques can enhance light penetration to the lower canopy levels, promoting uniform bud development. The strain produces substantial buds extending down to the stem base; retaining these lower branches is beneficial, as they often maintain density and contribute significantly to the overall yield. During flowering, Black Rainbow Sherbert responds well to increased nutrient intake, which can optimize production. While it has a moderate nitrogen requirement, the strain is genetically inclined to develop dense, resinous buds. Its favorable leaf-to-calyx ratio simplifies the trimming process, resulting in great bag appeal.

CHARACTER TRAITS (DATA):

- **Sex:** Regular
- **Genotype:** 70% Indica / 30% Sativa
- **Lineage:** RS11 x Geist OG F1
- **Preferred Climate Conditions:** Mediterranean climates
- **Flowering Duration (indoor):** 60-65 days
- **Harvest Period (outdoor):** Early October
- **Outdoor Height:** 2-3 m
- **THC:** 22-25%
- **CBD:** 0.1%

FORBIDDEN FRUIT FAST FLOWERING

INTRODUCTION:

Forbidden Fruit Fast Flowering is a feminized, Indica-dominant cannabis strain developed by Humboldt Seed Organization. This exceptional hybrid results from crossing Forbidden Fruit with an uncirculated OG Auto, producing a plant renowned for its remarkable flavor and resin production.

MORPHOLOGY:

Forbidden Fruit Fast Flowering develops into a robust plant with a sturdy structure, supporting dense, trichome-rich buds. Its vigorous growth and resilience make it suitable for both indoor and outdoor cultivation. Outdoors, it thrives in dry, warm, sunny, temperate, and Mediterranean climates.

YIELD:

- **Indoor yield:** 400-600 g/m²
- **Outdoor yield:** 1-3 kg/plant

Note: Actual yields depend on factors such as planting time (post-last frost), annual weather conditions, geographical location, container size or growing medium, nutrition, and preventive measures against pests and diseases.

FLAVOR AND EFFECTS:

Forbidden Fruit Fast Flowering offers a complex flavor profile with notes of sweet fruit, earth, and subtle hints of pine. The aroma is equally enticing, with sweet and fruity undertones. It delivers a potent, long-lasting, relaxing effect that soothes both mind and body, making it ideal for evening use or unwinding after a long day.

CULTIVATION TIPS:

Forbidden Fruit Fast Flowering exhibits vigorous growth with notable internodal spacing and slender fan leaves, facilitating rapid development as it transitions into the flowering phase. Anticipate the plants to more than double in height during this period; therefore, implementing double-layer trellising indoors is advisable to provide adequate support. Employing "SCROG" (Screen of Green) or "sea of green" techniques can enhance light penetration to the lower canopy levels, promoting uniform bud development. The strain produces substantial buds extending down to the stem base; retaining these lower branches is beneficial, as they often maintain density and contribute significantly to the overall yield. During flowering, Forbidden Fruit Fast Flowering responds well to increased nutrient intake, which can optimize production. While it has a moderate nitrogen requirement, the strain is genetically inclined to develop dense, resinous buds. Its favorable leaf-to-calyx ratio simplifies the trimming process, resulting in an attractive final product with strong bag appeal.

CHARACTER TRAITS (DATA):

- **Sex:** Feminized
- **Genotype:** 65% Indica / 20% Ruderalis / 15% Sativa
- **Lineage:** Forbidden Fruit x Uncirculated OG Auto
- **Preferred Climate Conditions:** Mediterranean climates
- **Flowering Duration (indoor):** 50-55 days

- **Harvest Period (outdoor):** Early-Mid September
- **Outdoor Height:** 1.5-2.5 m
- **THC:** 17-20%
- **CBD:** 0.1%

GEIST OG FAST FLOWERING

INTRODUCTION:

Geist OG Fast Flowering is an Indica-dominant hybrid from Humboldt Seed Organization, combining the powerful genetics of Geist OG and a special fast-flowering OG Auto variant. This strain is celebrated for its rapid growth, resinous buds, and intense flavors.

MORPHOLOGY:

Geist OG Fast Flowering develops into a compact, sturdy plant that can withstand various environmental conditions. Its dense, trichome-covered buds grow well in both indoor and outdoor setups, where it thrives in Mediterranean-like climates.

YIELD:

- **Indoor yield:** 400-600 g/m²
- **Outdoor yield:** 1-3 kg/plant

Note: Yield results depend on factors like planting time, climate conditions, geography, container size, nutrition, and pest management.

FLAVOR AND EFFECTS:

The flavor profile of Geist OG Fast Flowering includes piney notes combined with undertones of lemon and earthy spices. It produces a powerful, relaxing effect that is physically calming, making it suitable for unwinding at the end of the day.

CULTIVATION TIPS:

Geist OG Fast Flowering is ideal for growers seeking fast results with robust yields. This strain responds well to various cultivation techniques, particularly "Screen of Green" (SCROG), which helps maximize light exposure across all bud sites. Indoor growers should consider using double-layer trellising to support vertical growth, as this strain can stretch significantly during the flowering phase. Outdoors, the use of stakes or trellises can help support the branches that will be heavy with dense buds.

In terms of nutrition, Geist OG Fast Flowering has a moderate nitrogen requirement but benefits from increased potassium and phosphorus as it moves into the flowering phase. This nutritional boost supports resin production, which results in sticky, aromatic buds. Regular pruning of lower branches will enhance air circulation and light penetration, particularly important for larger outdoor plants. This strain's leaf-to-bud ratio is well-balanced, allowing for efficient trimming after harvest, leading to an attractive, bag-ready product.

CHARACTER TRAITS (DATA):

- **Sex:** Feminized
- **Genotype:** 70% Indica / 30% Sativa
- **Lineage:** Geist OG x OG Auto
- **Preferred Climate Conditions:** Mediterranean climates
- **Flowering Duration (indoor):** 50-55 days
- **Harvest Period (outdoor):** Late September
- **Outdoor Height:** 2-3 m
- **THC:** 18-22%
- **CBD:** 0.1%

GUSHERS FAST FLOWERING

INTRODUCTION:

Gushers Fast Flowering, a standout from Humboldt Seed Organization, is an Indica-leaning hybrid combining Gushers and a unique OG Auto. This strain is sought after for its high resin production, fruity flavors, and quick flowering times.

MORPHOLOGY:

Gushers Fast Flowering has a robust, compact structure with abundant branches and tightly packed buds covered in resin. Adaptable to indoor and outdoor environments, this strain flourishes in warmer, sunnier climates.

YIELD:

- **Indoor yield:** 400-550 g/m²
- **Outdoor yield:** 1-2 kg/plant

Note: Actual yields depend on growing conditions, including climate, soil quality, and plant management.

FLAVOR AND EFFECTS:

Gushers Fast Flowering brings a fruity flavor with notes of tropical fruits and earthy pine. It offers a balanced relaxation effect, soothing both body and mind while promoting a sense of calm without overpowering sedation.

CULTIVATION TIPS:

Gushers Fast Flowering is a versatile and resilient strain that flourishes in various growing environments. Indoors, growers are encouraged to implement SCROG to keep an even canopy and to maximize light exposure across all bud sites. This technique is especially helpful given the strain's naturally compact structure. Outdoors, Gushers benefit from adequate space, allowing it to expand fully. Trellising and staking are recommended to support the plant's substantial branches and bud sites.

The flowering period of Gushers Fast Flowering is quick, but increased feeding during this stage will further boost its yield. Adjust nutrient levels to increase phosphorus and potassium while reducing nitrogen to focus on flower density. This strain is responsive to well-timed pruning, allowing improved airflow and light penetration to the lower buds. Its compact and resinous buds

make it a favorite among growers, as trimming and curing are straightforward, resulting in beautifully frosted buds with excellent bag appeal.

CHARACTER TRAITS (DATA):

- **Sex:** Feminized
- **Genotype:** 70% Indica / 30% Sativa
- **Lineage:** Gushers x OG Auto
- **Preferred Climate Conditions:** Warm, Mediterranean climates
- **Flowering Duration (indoor):** 55-60 days
- **Harvest Period (outdoor):** Late September
- **Outdoor Height:** 1.5-2.5 m
- **THC:** 20-24%
- **CBD:** 0.1%

GELATO FAST FLOWERING

INTRODUCTION:

Gelato Fast Flowering is a feminized, Indica-dominant cannabis strain developed by Humboldt Seed Organization. This exceptional hybrid results from crossing Gelato with an uncirculated OG Auto, producing a plant renowned for its remarkable flavor and resin production.

MORPHOLOGY:

Gelato Fast Flowering develops into a robust plant with a sturdy structure, supporting dense, trichome-rich buds. Its vigorous growth and resilience make it suitable for both indoor and outdoor cultivation. Outdoors, it thrives in dry, warm, sunny, temperate, and Mediterranean climates.

YIELD:

- **Indoor yield:** 400-600 g/m²
- **Outdoor yield:** 1-3 kg/plant

Note: Actual yields depend on factors such as planting time (post-last frost), annual weather conditions, geographical location, container size or growing medium, nutrition, and preventive measures against pests and diseases.

FLAVOR AND EFFECTS:

Gelato Fast Flowering offers a complex flavor profile with notes of sweet fruit, earth, and subtle hints of pine. The aroma is equally enticing, with sweet and fruity undertones. It delivers a potent, long-lasting, relaxing effect that soothes both mind and body, making it ideal for evening use or unwinding after a long day.

CULTIVATION TIPS:

Gelato Fast Flowering exhibits vigorous growth with notable internodal spacing and slender fan

leaves, facilitating rapid development as it transitions into the flowering phase. Anticipate the plants to more than double in height during this period; therefore, implementing double-layer trellising indoors is advisable to provide adequate support. Employing "SCROG" (Screen of Green) or "sea of green" techniques can enhance light penetration to the lower canopy levels, promoting uniform bud development. The strain produces substantial buds extending down to the stem base; retaining these lower branches is beneficial, as they often maintain density and contribute significantly to the overall yield. During flowering, Gelato Fast Flowering responds well to increased nutrient intake, which can optimize production. While it has a moderate nitrogen requirement, the strain is genetically inclined to develop dense, resinous buds. Its favorable leaf-to-calyx ratio simplifies the trimming process, resulting in an attractive final product with strong bag appeal.

CHARACTER TRAITS (DATA):

- **Sex:** Feminized
- **Genotype:** 70% Indica / 30% Sativa
- **Lineage:** Gelato x Uncirculated OG Auto
- **Preferred Climate Conditions:** Mediterranean climates
- **Flowering Duration (indoor):** 50-55 days
- **Harvest Period (outdoor)** End of September
- **Outdoor Height:** 2-3 m
- **THC:** 18-22%
- **CBD:** 0.1%