Full Canopy

CATALOG 2023

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ABOUT US

Full Canopy was founded with the intention of creating and testing comprehensive solutions on the cutting edge of mycological research and development while also providing resources and supplies to the community at a reasonable price. We are working to build a meaningful community as well as an equitable business model. We've built out a team with the capabilities to realize that ambition.

Among our group we have decades of science, regulatory, design and legal experience. With this in mind we do offer consulting services to qualified clients and seek out partnerships with institutions and other companies pushing their research ventures into similar arenas to ours. Under Prop 122 if regulations and logistics allow for it, we aim to open up a healing center with a low-cost model to allow for easier access to these treatments for those who need them most. We plan to support this mission by building our community and supplying them with top notch mycological supplies through Full Canopy Mycology. We also plan to supply vetted research and miscropscopy supplies to the community via Full Canopy Genetics.

Never hesitate to reach out to discuss working with us on a project; we are all about collaboration over competition as we see the mycological table as one we can help grow together.

*A note on potency: HPLC testing tends to put the average psilocybe cubensis fruiting body at between .6-.7% Psilocybin content. In clinical settings a 20mg dose of pure psilocybin is typically used (~3.5g of average cubensis). This is what we base averages off of.

Cultigen: ALBINO JEDI MIND F*CK (AJMF)

Species: Psiloybe Cubensis

Origin: The origin story goes that Jedi Mind F*ck was first isolated in the early 2000's from a wild Georgia specimen by a shroomery user "Myco Joe". It's been a staple ever since. This is an albino specimen of that wild cubensis specimen.

Source: We first acquired a sample of AJMF from our friends over at Denvery Mycology. Trey (their genetics guru) found a contaminated plate of JMF that he'd brought from back home when he moved to Colorado and saved a lonely albino pin from the contamination. They put love into the culture and got it into a state where it produced nice flushes in modified tubs. We've worked it for size and canopy density in a high CO_2 environment (closed bags) since receiving it. It's gone through a filial and three clonal generations prior to our release.

Ease of Cultivation: Easy, it's forgiving on harvest time and conditions.

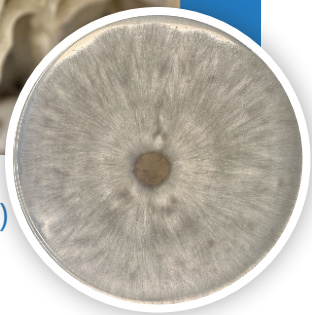
Level of Sporulation: Extremely low, produces transparent spores.

Timeline: Relatively fast, 14-23 days for the first flush from bulk to sub.

Potency: Average PCB- 1.06% (High), Average minors- 0.53% (Average)

Biological Efficiency: Moderate, produced on average~ 3.3lbs fresh in one flush in an 8lb bag in testing.

Description: Towering canopies of pearl white caps and moderately sized fruiting bodies that tend to finish their cycle and break their veil at nearly the same time. Not the fastest but certainly not the slowest cultigen, AJMF is great for a beginner or an advanced mycologist due to its beauty and its consistency.



Cultigen: ALBINO PENIS ENVY REVERT (APER)

Species: Psilocybe Cubensis

Origin: APER or APE-R is an isolation of a reverted mushroom that popped up in the very famous APE cultigen. Revert isolations are common to find in genetics that are run by a large number of people. APE being a prolific strain has MANY instances of reverts being selected for cloning and filial work.

Source: We first acquired a sample of APER spores from a giveaway within the community on discord, I believe the swab came from Spores.com. We've been told that our isolation has more pigmentation than others. We've worked it through several filial and clonal generations so that it packs closed bags (and tubs!) and drops less spores.

Ease of Cultivation: Very Easy, recommended for beginners or people struggling with canopy density. Can be time sensitive to harvest due to spores.

Level of Sporulation: Low to moderate, produces purplish to black spores.

Timeline: Relatively fast, 14-23 days for the first flush from bulk to sub.

Potency: Average PCB- 0.71% (Average), Average minors- 0.7% (high)

Biological Efficiency: Moderate, produced on average~ 3.2lbs fresh in one flush in an 8lb bag in testing.

Description: Densely packed doesn't really even begin to describe the experience of cultivating with APER. Recommended for beginners because of this fact, they produce a lot of small to medium sized fruiting bodies and a densely packed canopy. More efficient in bags than tubs they're suitable for just about any environment or skill level. Harvesting all of them is definitely a labor of love though!

Cultigen: AVERY'S ALBINOS

Species: Psilocybe Cubensis

Origin: Avery's Albinos were originally isolated from an albino specimen of Cambodian cubensis. They have become a classic strain due to their beautiful appearance and ease of cultivation. They are the personal favorite of our in-house geneticist to consume!

Source: We first acquired a sample of Avery's from our friend's over at Denver Mycology. Originally worked in tubs we isolated them to grow their trademark dense canopy in bags. We also worked to increase average size of the fruiting bodies to increase ease of harvest and overall biological efficiency. We have a monstrous iso of these in testing.

Ease of Cultivation: Very Easy, recommended for beginners or people struggling with canopy density. Not very time sensitive to harvest either.

Level of Sporulation: Extremely low, produces transparent spores.

Timeline: Average speed, 16-26 days for the first flush from bulk to sub.

Potency: Average PCB- 0.63 % (Average), Average minors- 0.32% (low)

Biological Efficiency: Moderately high, produced on average~ 3.5lbs fresh in one flush in an 8lb bag in testing.

Description: Like most albinos, Avery's are a treat to look at throughout their lifecycle. They form a dense blanket of all white pins that will mature into a canopy of albino mushrooms holding thin veils. You can allow the veils to open and you'll be left what looks like a ghostly flower garden as the caps begin to crinkle as they upturn and break their veil and the stipe stretches. These are a classic and a staple for many reasons, their beauty definitely being a major one!

Cultigen: CASCADIAN TEACHER

Species: Psilocybe Cubensis

Origin: The origin of this cultigen is shrouded in a little mystery on our end. It was a commercial strain out east that made it's way to Colorado. Presumably there is some golden teacher or other teacher variety in its lineage but despite the unknown origins it's worth having in any library.

Source: We first acquired and worked with a sample of Cascadian Teacher from Denver Mycology. At first they were an excellent tub strain that would fruit even on grain. We took them through a filial and three clonal generations to decrease sporulation and increase average fruiting size prior to release. They almost NEVER disappoint.

Ease of Cultivation: Very Easy, recommended for beginners or people struggling with canopy density. Can be time sensitive to harvest due to spores with higher oxygen %.

Level of Sporulation: Low to moderate (depends on environment), black spores.

Timeline: Relatively fast, 14-23 days for the first flush from bulk to sub.

Potency: Average PCB- 0.68 % (Average), Average minors- 0.48% (Average)

Biological Efficiency: High, produced on average~ 3.7lbs fresh in one flush in an 8lb bag in testing.

Description: Consuming cascadian teacher is the closest thing we can think of to a classic cubensis. Growing them is an exciting experience as they're incredibly quick and efficient and voracious on plates, grain and bulk substrate. They have very consistent canopies but will occasionally throw a monster. The biggest fruiting body we've cultivated to date was a 798g specimen off of this isolation that's available for research.

Cultigen: ENIGMA

Species: Psilocybe Cubensis

Origin: Enigma was originally isolated as a mutation of Tidal Wave 2 which was originally bred by Doma Nunzio of Magic Myco. It has gained a repuation in the mycology community for winning a psilocybin cup as well as not being "for sale." The latter part has been debunked by the creator who we work closely with for testing potency so we feel comfortable making it available for others research in our catalog.

Source: We've been gifted Enigma cultures by a number of esteemed cultivators that we work with. Our good friend Seth has the distinction of providing us the specimen we've taken the furthest in our research. A very aggressive isolation of Enigma, we've gotten the fruiting time down to 34 days from 56-70 days starting. Can only be worked via clonal isolation and in vitro work due to morphology not producing spores.

Ease of Cultivation: Moderate to difficult, not recommended for beginners.

Level of Sporulation: None, Enigma does not produce caps so spores aren't present.

Timeline: Slow, we've worked it so the speed can be in the 34-40 day time range but it can take over two months in some cases.

Potency: Average PCB- 1.38 % (Very High), Average minors- 0.99% (Very High)

Biological Efficiency: Moderately high, produced on average~ 3.4lbs fresh in one flush in an 8lb bag in testing.
Description: Enigma is a very appropriate name for this blob-like mutation. Originally thought to be unique to tidal wave, enigma 's blob mutation is present and being isolated for in a number cultigens. It produces some of the strongest cubensis specimens and most beautiful morphologies that we've seen in the cubensis family to date.

Cultigen: HALO GATES

Species: Psilocybe Cubensis

Origin: The Gates strains were originally created as a project by James Cruz of Shroomology Genetics. The gates strains have all tested highly and produced unique morphologies and we give credit to James for the good work he's doing with breeding. This is a cross of TAT Black Cap and Emerald Gates (another James Cruz original).

Source: We first acquired this genetic lineage from our friends at Yakfish Medicinals as we were gifted a plate. He got them directly from James. We've worked with it in vitro to increase pinning density in a high CO2 environment and have some upcoming clonal projects with it as it's a beautiful and reliable cultigen.

Ease of Cultivation: Easy to moderate, large fruiting size makes dehydration tough.

Level of Sporulation: Extremely low, produces transparent spores.

Timeline: Moderate speed to a touch slow 20-30 days for the first flush.

Potency: Average PCB- 1.12 % (High), Average minors- 0.5% (Average)

Biological Efficiency: High, produced on average~ 3.6lbs fresh in one flush in an 8lb bag in testing.

Description: If smurfs wanted to pick an albino to make home in, Halo Gates might be the choice. Thick stipes, a classic cap with beautiful gills and the thinnest of veils there isn't much to complain about on this one other than how hard they are to get fully dry. They produce dense canopies of thick fruiting bodies that have well above average tryptamine content.

Cultigen: HILLBILLY

Species: Psilocybe Cubensis

Origin: Hillbilly was first isolated in the late 90's by a shroomery user. Supposedly it comes from a wild Arkansas cubensis specimen and it has been a staple in the community since the early 2000's. It came to massive popularity in recent times with mycologists like BAS and She.Grows.Fungi helping to grow the popularity of this variety.

Source: Denver mycology got us an isolation of traditional hillbilly that filled out tubs nicely. We worked it for the pumpkin phenotype to increase biological efficiency and have produced one of our best isolations to date from a biological effiency standpoint with a series of clonal isolations from the original specimen.

Ease of Cultivation: Very Easy, recommended for beginners and veterans alike.

Level of Sporulation: Extremely low, spores must be swabbed or caps dried to drop.

Timeline: Relatively slow, 19-30 days for the first flush.

Potency: Average PCB- 0.9 % (Above Average), Average minors- 0.49% (Average)

Biological Efficiency: Extremely high, produced on average~ 4lbs fresh in one flush in an 8lb bag in testing.

Description: Hillbillies can express a number of morphological phenotypes but the phenotype isolated for in this culture is thick, almost pumpkin-like stipes with undersized caps. They'll fill up bags, tubs and your entire hand with massive fruiting bodies. Hillbilly is great for the beginner or a veteran alike and they produce no spores unless ey revert. They can change their expression depending on environment.

Cultigen: LEUCISTIC MAZATAPEC (LMAZ)

Species: Psilocybe Cubensis

Origin: Mazatapec is a variety thats orgin story and history go deeper than just about any other cubensis mushroom. There's evidence that these (and primarily other mushrooms like Psiolcybe Zapatecorum) have been a part of the native culture in portions of Mexico for potentially thousands of years. We hold these and our other Mazatapec specimens in high regards from a genetic and cultural standpoint.

Source: We first acquired a sample of Leucistic Mazatapec spores from a discord raffle years back. We worked with them here in Denver through filial and clonal generations and we quickly had a specimen that prouced beautiful and dense canopies in a closed bag environment with no intervention on the cultivator's part until harvest.

Ease of Cultivation: Easy, harvesting is time sensitive due to sporulation.

Level of Sporulation: Moderately high, produces black spores.

Timeline: Average speed, 15-25 days for the first flush.

Potency: Average PCB- 0.68 % (Average), Average minors- 0.50% (Average)

Biological Efficiency: Average to slightly below average, produced on average~ 3.0lbs fresh in one flush in an 8lb bag in testing.

Description: Leucistic specimens are those that have reduced pigmentation present from their normally pigmented varieties. These come in with light yellow to almost white caps depending on CO2 levels present in their environment. They pack canopies densely with very consistenly sized fruiting bodies. The mycelium is so aggressive the caps will sometimes grow clouds and webs on top as they develop to maturity.

Cultigen: LUCID GATES

Species: Psilocybe Cubensis

Origin: The Gates strains were originally created as a project by James Cruz of Shroomology Genetics. The gates strains have all tested highly and produced unique morphologies and we give credit to James for the good work he's doing with breeding. This is a cross of True Albino Teacher (TAT) and Melmac.

Source: We first acquired this genetic lineage from our friends at Yakfish Medicinals as we were gifted a plate. He got them directly from James. We've worked with it to increase pinning density and biological effiency. We have ongoing projects to improve its canopy density and morhpological consistency even further!

Ease of Cultivation: Moderate, longer fruiting times and lack of clear harvest trigger can make it challenge for beginners to know when to pick.

Level of Sporulation: Extremely low, produces transparent spores.

Timeline: A touch on the slow side with 20-30 days for the first flush from bulk to sub.

Potency: Average PCB- 1.3 % (Very High), Average minors- 0.65% (High)

Biological Efficiency: Relatively Low, produced on average~ 2.6lbs fresh in one flush in an 8lb bag in testing.

Description: Lucid gates pays homage to both of its parents with it's transparent spores and lack of pigmentation from TAT and the almost exploding stipe and massive size that Melmac has become loved for. This cultigen may not be THE most biologically efficient but it more than makes up for it with amazing morphological expressions and extremely high alkaloid content rivaling Enigma and other cup winners.

Cultigen: MAC GALACTIC

Species: Psilocybe Cubensis

Origin: This was originally isolated as a cross of JMF with Melmac by Eric Burden of Denversporecompany. Eric did a fantastic job isolating for a balance of size, potency and consistency in creating this variety.

Source: We first acquired a sample of this lineage from the man himself when we were attending an event we were collaborating at. It quickly became one of our favorites and required very little work with our in vitro methodology for us to be happy with its performance in our environment. This is one we have a number of ongoing projects with, including breeding due to the number of boxes it checks.

Ease of Cultivation: Very Easy, recommended for beginners or people struggling with canopy density. Not very time sensitive to harvest either.

Level of Sporulation: Extremely low, produces no spore drop, must be swabbed or desiccated to retrieve spores.

Timeline: Relatively fast, 14-24 days for the first flush from bulk to sub

Potency: Average PCB- 1.49 % (Extremely High), Average minors- 0.38% (Average)

Biological Efficiency: Extremely high, produced on average~ 4.0lbs fresh in one flush in an 8lb bag in testing.

Desription: These lean more into their Melmac in terms of morphology and sporulation but get their canopy density from their JMF parentage. They have never dropped spores for us or customers and they consistently produce large, highly efficient and incredibly potent canopies. They are incredibly rewarding to research and work with.

Cultigen: MAZATAPEC (LOW SPORE)

Species: Psilocybe Cubensis

Origin: Mazatapec is a variety thats orgin story and history go deeper than just about any other cubensis mushroom. There's evidence that these (and primarily other mushrooms like Psiolcybe Zapatecorum) have been a part of the native culture in portions of Mexico for potentially thousands of years. We hold these and our other Mazatapec specimens in high regards from a genetic and cultural standpoint.

Source: We first acquired a sample of Mazatapec from Trey of Denver Mycology as a trade for some genetics we were working with. Initially these produced dense canopies of mostly small to medium sized mushrooms in tubs and struggled in bags. We selected for canopy density, average size and high CO2 tolerance and they've retained their gorgeous morphology and sporelessness along the way. Excellent for beginners as they're VERY forgiving on harvest time and conditions for growth.

Ease of Cultivation: Very easy, they'll grow in bags and tubs just as easily.

Level of Sporulation: Virtually nonexistant, spores are hard to extract even with swabs.

Timeline: Slightly above average speed, 14-24 days for the first flush.

Potency: Average PCB- 0.68 % (Average), Average minors- 0.50% (Average)

Biological Efficiency: Average to slightly below average, produced on average~ 3.0lbs fresh in one flush in an 8lb bag in testing.

Description: These are like a classic cubensis without the sporulation at the veil break. The caps resemble pancakes before they curl up. You can take your time with harvesting these due to the lack of spores and beauty of a full and even canopy at the end.

Cultigen: MELMAC

Species: Psilocybe Cubensis

Origin: An absolute classic in the fungi world, Melmac is Alf's home planet and the name of the Amazonian/Penis Envy originally isolated by the Homestead book company. Melmac has been a stable of commercial and novice mycologists alike for well over a decade. They're known for their size, phallic appearance and above average potency.

Source: We first acquired a sample of Melmac from BAS as he has a cut that is very close to the OG Melmac from Homestead. We worked it in vitro for canopy density and it was an amazing cultigen for in-bag and tub teks alike. We've worked with it to even up to canopy and increase production but it's like taking an A and making it an A+. Props to BAS for preserving this piece of genetic history and keeping it in a good state.

Ease of Cultivation: Easy, harvest timing can be tough due to lack of spores.

Level of Sporulation: Extremely low, produces almost none, purplish to black spores.

Timeline: Relatively slow, 18-28 days for the first flush.

Potency: Average PCB- 1.18 % (High), Average minors- 0.46% (Average)

Biological Efficiency:High, produced on average~ 3.7lbs fresh in one flush in an 8lb bag in testing.

Desription: Melmac is a classic for a number of reasons: it produces large and potent fruits, relatively even canopies, produces little to no spores, and they're relatively easy to work with and harvest. The only downside is that sometimes they are hard to pull apart from each other due to the canopy density, which is just splitting hairs. Recommended to anybody interested in researching these for microscopy purposes.

Cultigen: MOBY DICK

Species: Psilocybe Cubensis

Origin: Moby Dick is a cross of two classics in Albino A+ and Golden Teacher. It has a mixture in morphology and is very similar in canopy density to our APER isolation. They have hardy stems for their size and they're easy for beginners to work with.

Source: We first acquired a sample of this cultigen from our friend Kyle over at BlueBear Mycology. We worked with it to be more tolerant of higher CO2 environment but his initial isolation from spore was an excellent starting point. We have some ongoing projects to increase the size and ease of harvest on these while reducing sporulation.

Ease of Cultivation: Very Easy, recommended for beginners or people struggling with canopy density. They do sporulate so they're slightly time sensitive to harvest.

Level of Sporulation: Moderate, produces black spores.

Timeline: Relatively fast, 14-24 days for the first flush from bulk to sub.

Potency: Average PCB- Awaiting Results! Anecdotally around average to slightly above average potency.

Biological Efficiency: Average, produced on average~ 3.2lbs fresh in one flush in an 8lb bag in testing.

Desription: A canopy of hats that slowly flatten out as they begin to break their veils and start to produce spores. You have more time to get to these than a more classic cube like GT or Z strain but they will dump spores all at once if left unattended. When picked at the right time you're in for a classic cube with a lighter coloration and amazing consistency.

Cultigen: NATALENSIS SUPER-STRENGTH (NSS

Species: Psilocybe Natalensis

Origin: There are ongoing debates as to whether this is actually a unique cubensis specimen or if it is its own taxonomic species BUT what we can say definitively is that Natalensis is a very unique culigen that comes from a wild sample picked in Natal South Africa.

Source: We've been gifted a few different isolations of NSS from friends and colleagues but the isolation gifted to us by Trey of Denver Mycology needed very little work to get going. We have a number of ongoing projects with this strain including a blob isolation, plans to breed with it and a project reducing sporulation and increasing size.

Ease of Cultivation: Moderate to difficult, their fast speed makes them easy to pick up but harder to master than other cultigens.

Level of Sporulation: Extremely high in a high oxygen envirionment, moderate in high CO_2.

Timeline: Very fast, 13-21 days for the first flush from bulk to sub.

Potency: Average PCB- 0.77 % (Above Average), Average minors- 0.88% (Very High)

Biological Efficiency: Low for our standards, ~1.8lbs fresh in one flush on an 8lb block. Recommended to two flush this one.

Description: These look a lot like spaghetti noodles when they grow out to maturity. Extremely thin stipes and a cap not much bigger than the thin stipe they can pack their environment with fruiting bodies. Higher CO_2 reduces spore output but impacts orientation and you get a lot of overlapping noodles. Either way they're fun!

Cultigen: NUTCRACKER

Species: Psilocybe Cubensis

Origin: True Albino Teacher or TAT is a variety that has spawned many isolations, crosses and amazing cultigens. Nutcracker comes from a TAT mutation called Yeti. Jik Fibs was the originator of both the Yeti and the Nutcracker isolations as well as TAT itself.

Source: Nutcrackers were acquired as a gift from our friends at Fungi Supplies. This is a very special isolation as it produces gnarly morphologies and incredible potency. We have a number of projects ongoing with Nutcracker as it won 2nd for minor alkaloid content and 3rd place for Psiloycbin content n Magic Myco's most recent cup.

Ease of Cultivation: Moderate to difficult, timing harvest is difficult as they take a while.

Level of Sporulation: Very low, produces transparent spores.

Timeline: Slow, 23-33 days for the first flush from bulk to sub.

Potency: Average PCB- 1.24 % (Very High), Average minors- 0.82% (Very High)

Biological Efficiency: Average to slightly below average, produced on average~ 3.1lbs fresh in one flush in an 8lb bag in testing.

Description:It stays true to its TAT origins in producing pure albino canopies. The thing that sets Nutcracker apart from other mophological isolations are its extreme potency and its gnarly flower-like morphology that it is capable of expressing. It's tough to find a match in terms of something producing more interesting looking and unique morphologies than nutcracker outside of some blob isolations. We're excited to work with it for some time.

Cultigen: OLD DIRTY PENIS ENVY (ODPE)

Species: Psilocybe Cubensis

Origin: Isolated and stablizied by a mcyologist known as Joshua, ODPE gained notoriety in 2019 and has become popular in part due to the efforts of mycologists like BAS

Source: We first acquired a sample of ODPE from our friends at Denver Mycology. We haven't done much other than increase the average size and their CO2 tolerance through a series of clonal generations. They're incredibly stable whether you're doing clonal or filial propogation.

Ease of Cultivation: Easy if you have some patience, they all mature at roughly the same time.

Level of Sporulation: Extremely low, produces purplish to brown spores.

Timeline: Relatively slow, 21-30 days for the first flush.

Potency: Average PCB- 1.23% (Very High), Average minors- 0.68% (low)

Biological Efficiency: Average, produced on average~ 3.3lbs fresh in one flush in an 8lb bag in testing.

Desription: These are a classic penis envy in their cap appearance. As they mature they lose their veil and the cap begins to curl and form a skirt that crinkles around the cap. They have very equal size and very thick stipes in relation to the average cube. Very consistent in potency and in phenotypic expression they're a must have for any serious researcher.

Cultigen: THRASHER

Species: Psilocybe Cubensis

Origin: Thrasher is a unique Melmac isolation that tends to form green circular bruising on the caps when it has reached full maturity. We're unsure of who isolated thrasher originally but we do know that it is an isolation coming from a Melmac specimen.

Source: We first acquired Thrasher as a swab sample that was gifted to us by a colleague who would like to remain anonymous. It took a couple of clonal generations to get the size and canopy density to release it but this is a remarkably efficient and stable cultigen to begin with. This isolation came off a 125g fresh sample that had fantastic clustering and morphology.

Ease of Cultivation: Easy, does require some patience.

Level of Sporulation: Extremely low, produces purplish to brown spores. Swab needed.

Timeline: A little slower than average, 18-28 days for the first flush bulk to sub.

Potency: Average PCB- 1.0 % (Above Average), Average minors- TBD (need additional full panel testing on this one)

Biological Efficiency: Moderately high, produced on average~ 3.5lbs fresh in one flush in an 8lb bag in testing.

Desription: Thrasher is a well known Penis Envy and it lives up to its name as it thrashes in both tubs and bags. The stipes and brusining tend to be a little bit more gnarly than they are with Melmac and something about the polymerization enzymes present in Thrasher lends to a more greenish appearance when the stipe or caps are disturbed. Large and in charge these are great for experts and beginners alike.

Cultigen: TIDAL WAVE

Species: Psilocybe Cubensis

Origin: This is a variety that was originally bred and isolated by our good friend Doma Nunzio of Magic Myco. Tidal Wave's claims to fame include a psilocybin cup win for potency and being the origin of Enigma mutation.

Source: We were gifted the culture of Tidal Wave that we worked with for Bag Tek from Mike Davidov, a local mycologist we work closely with. He gave it to us in a fantastic state and we worked simply to even the canopy out. This one is a classic and was at one point highly requested due to its cup wins and notorious potency.

Ease of Cultivation: Moderate, can be more time sensitive to harvest.

Level of Sporulation: Moderate amount depending on environment, purplish to black.

Timeline: Relatively fast, 15-24 days for the first flush.

Potency: Average PCB- 0.89 % (Above Average), Average minors- 0.6% (Above Average). Anecdotal potency on these has been much higher than lab testing might indicate, may have been a storage issue for our samples submitted or variance in the canopy.

Biological Efficiency: Relatively low, produced on average ~2.6lbs in one flush in and 8lb bag in testing.

Desription: These are a classic cubensis in look and appearance but not in experience. Tidal wave don't look different or take additional work or preparation but they are rewarding to cultivate and Doma has spawned a lot of projects stemming from this one we're excited to try out.

Cultigen: TIDAL WAVE / ALBINO PENIS ENVY

Species: Psilocybe Cubensis

Origin: We're not 100% of the originator of the cross for this one but we sure are thankful. It's been floating around the Denver area for the past couple of years and it's a fantastic addition to all libraries due to the alkaloid profile and cultivation profile.

Source: We acquired a couple of cuts of this around the same time but the one we work with and are continuing to do work on is the one we received from Denver Mycology. This one was a winner to begin with and we have projects where we've isolated different morphologies that are stable. This OG cut we worked with in-vitro is the most well-rounded and the one we make available for research.

Ease of Cultivation: Very Easy, recommended for beginners or people struggling with canopy density. Not very time sensitive to harvest either.

Level of Sporulation: Extremely low, produces transparent spores.

Timeline: Relatively fast, 14-24 days for the first flush.

Potency: Average PCB- 1.02 % (High), Average minors- 1.04% (Extremely High)

Biological Efficiency: Moderately high, produced on average~ 3.5lbs fresh in one flush in an 8lb bag in testing.

Desription: TWxAPE is a fantastic cross. I wish I had the parent isolations sequenced as well as this one to verify that it's an actual cross but even if this is just a unique APE iso the laboratory and cultivation results speak for themselves. The biggest challenge with this one is drying some of the larger fruits if you don't have a large dehydrator. Larger fruits will need to be cut or dried at between 90-100 degrees F.

Cultigen: WHITEBILLY

Species: Psilocybe Cubensis

Origin: This came from a clone that was propagated out by a colleague on agar. It is a leucistic hillbilly pumpkin and produces consistenly. Denver is where it was born!

Source: We were over at Denver Mycology for a consult and discussed that they had cloned what they had thought was an albino hillbilly specimen. Being something I didn't have in the library when it came time to leave I asked to snag a plate. We grew it out and worked to stabilize it and it has produced the most gorgeous leucistic specimens we've grown to date.

Ease of Cultivation: Easy, does require a wet substrate and higher substrate to grain ratio for maxiumum efficiency. Not time sensitive to harvest.

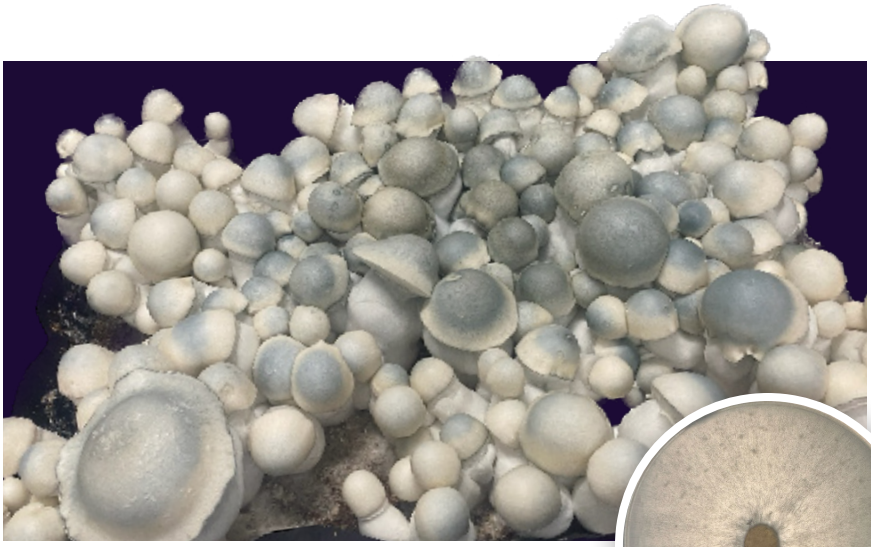
Level of Sporulation: Extremely low, produces brown to purplish spores, must swab.

Timeline: Relatively slow, 18-29 days for the first flush.

Potency: Average PCB- 0.7 % (Average), Average minors- 0.44% (Average)

Biological Efficiency: High, produced on average~ 3.8lbs fresh in one flush in an 8lb bag in testing.

Desription: Whitebilly is VERY similar to Hillbilly Pumpkin in terms of cultivation profile, alkaloid content, growth timelines, sporulation and appearance. However it is very uniquely pigmented and this particular isolation throws even more monstrous fruits than HBP. The whitebilly projects we have going in-house include a 600g lineage that consistently produces 600+g fruits in bags. More testing is still in store but keep an eye out for those!



Cultigen: YETI

Species: Psilocybe Cubensis

Origin: Yeti is another TAT variant that we found to be of high enough quality to add to our library. It was originally isolated and popularized by Jik Fibs, the creator of the TAT syndicate.

Source: Yeti was a frustrating cultigen to get working in closed bags as it did NOT want to pin anywhere but the sides. After many trials we were gifted a good isolation to start with from our friends at Fungi Supplies. This is a highly requested cultigen and is still being worked to be more efficient for closed bag tek. It does abosultely fill tubs.

Ease of Cultivation: Moderate, they require some patience but the blue cap is a clear harvest indicator.

Level of Sporulation: Extremely low, produces transparent spores.

Timeline: Slow, 21-31 days for the first flush.

Potency: Average PCB- 0.82 % (Above Average), Average minors- 0.53% (Above Average)

Biological Efficiency: Average, produced on average~ 3.2lbs fresh in one flush in an 8lb bag in testing.

Desription: Yeti is like a bigger, thicker, slighlty shorter and more interesting version of TAT. They are a tub filler by nature and are more finnicky to get working in bag tek than other varieties. That being said, this isolation works well across most modalities and has more tomentose mycelium than other specimens. That doesn't mean it's lacking however as it competes well with most everything else in the library.

Cultigen: Z STRAIN

Species: Psilocybe Cubensis

Origin: Z strain is a classic variety with debated origins but the consensus is that it's an isolation of Golden Teacher, a variety with landrace origins in Mexico.

Source: This is the strain that has been with us the longest; it was gifted to us by our friend Seth some time ago. We're very many generations removed from that fact so our own spores were the source for this isolation.

Ease of Cultivation: Very Easy, recommended for beginners or people struggling with canopy density. Time sensitive to harvest due to heavy sporulation as caps open.

Level of Sporulation: Moderate, purplish to black spores. Time harvest well on these.

Timeline: Relatively fast, 15-23 days for the first flush.

Potency: Average PCB- 0.57 % (Average), Average minors- 0.31% (low)

Biological Efficiency: Moderately high, produced on average~ 3.4lbs fresh in one flush in an 8lb bag in testing. They produce second flushes quickly as they recover easily as well.

Desription: Z strain has been a classic cultigen for over a decade as it is extremely consistent in appearance, performance, potency and stability. They can produce a lot of spores if an eye isn't kept on them close to harvest time so they are best as either a beginner strain or in smaller batches to avoid excessive sporulation. The most classic of any cube we carry they look exactly like what you think of when somebody tells you to imagine a golden teacher or a classic cubensis. Z is the best beginner strain in our book.

Notice

We like to acknowledge all of those in the mycological community who have worked with and on the genetics that we hold near and dear to our hearts and share with our community members and fellow researchers. We try to give credit where it is due and if there are any errors or additional details that are available on the origins of these and any other genetics we work with:

PLEASE, reach out to us. We always love to learn more about where our library comes from.

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