

Cardano Budz cbTHC White Paper

Draft Version 0.1



GROW YOUR OWN ADVENTURE

Grow Your Own Adventure

A Cardano based Play to Earn Platform

Abstract

Grow Your Own Adventure is a virtual cannabis cultivation platform, powered by the Cardano Blockchain. Users can grow virtual cannabis plants to earn digital assets. As users participate, they will acquire more digital assets that they can in turn monetize through secondary market exchange.

Advisory

This document aims to be as thorough as possible, but should be considered a work in progress. The Cardano Budz / Digital Syndicate team may make changes as needed to create proper long term game mechanics that are both fun, and economically practical. Crypto currencies carry an inherent risk of market volatility. No promise or guarantee of real-world profitability is made to participants. Cardano Budz assets are classified as a "Virtual Asset" and do not possess any necessary characteristic required to be considered a transferable security, money market instrument, unit in collective investment schemes, a digital currency, commodity, security, or any other form of investment in any jurisdiction.

Passive cbTHC and NFT Staking

The Cardano Budz team is excited to announce our partnership with Drip Dropz, who will be delivering cbTHC as a reward for stakepool delegation. You will now be able to stake your Cardano Budz Harvest Assets for additional cbTHC rewards. The current per epoch delegator rewards are as follows:

.1 cbTHC for all staked wallets on Cardano

1 cbTHC for all wallets staked to a DripDropz partner pool

2 cbTHC for every 1000 Ada delegated to BUDZ or FIGHT pool

If staked to BUDZ or FIGHT pool, and in possession of Cardano Budz Harvest Assets, you will gain an additional cbTHC multiplier of:

1 to 2 Harvest 1 Assets:	2%
2 to 4 Harvest 1 Assets:	4%
5 or more Harvest 1 Assets:	6%
1 to 2 Harvest 2 Assets:	1%
2 to 4 Harvest 2 Assets:	3%
5 or more Harvest 2 Assets:	5%
Ambassador Assets:	4%

Multipliers are cumulative and can currently net up to 15% more cbTHC than a wallet delegated to BUDZ or FIGHT without them. BUDZ and FIGHT pool currently collect the minimum operator rewards as specified by the Cardano Blockchain. We intend to add a 4.2% margin in the next 120 days. Both pools are maintained to the highest standard, and professionally ran.

GYOA – High Level Overview

Participants will leverage existing Cardano Budz Harvest One and Harvest Two digital assets to create F1 seeds. In the near term, Cardano Budz will release a new digital asset colloquially known as a “Grow Kit”. When the seeds is combined with their grow kit, they will initiate their grow cycle. To advance their plants through the process, they will need to provide materials. As each grow cycle stage is completed, their “Grow Kit” will mature within their Cardano Wallet. After 8 cycle progressions, they will be able to harvest their matured cannabis plant for more seeds, and cbTHC.

GYOA – Game Mechanics

In order to participate on Grow Your Own Adventure, a user will be required to obtain all of the necessary minimum digital materials. All Cardano Budz Harvest assets will be tied to a First Generation seed with a matching strain type. Each seed will have known and unknown DNA attributes that will affect the final outcome of a matured plant. Linked F1 seeds to Cardano Budz Harvest assets will be visible through our web platform.

Grow kits will be made available at a future date (target end of Q1 of 2022), and may be released ahead of the play to earn platform. The Pioneer (first generation) grow kit will be made available in two types; 2 plant or 4 plant. These grow kits will be of the potted soil grow medium, with future plans of allowing upgrade to hydroponic grow medium and CO2 Systems. Pioneer grow kits will be have an unlimited grow cycle utility, which will carry forward with any upgrades. Future grow kits will be restricted to 10 complete grow cycles. Remaining grow cycles will be visible within the metadata of the grow kit asset. Each kit will be assigned a random grow light, which will have the largest grow kit related impact on yield.

To initiate a grow cycle, a user will need to hold within the same wallet, a grow kit, and either a Cardano Budz Harvest asset, or a seed derived from a completed grow cycle. The user will go to the GYOA section on <https://CardanoBudz.io>. The user will be prompted to provide the wallet address they will be growing from. They will be presented with the available materials within their wallet that they can leverage, up to the maximum allowed by their kit(s). After making their selection, they will be provided a wallet address to send 4.2 ada to, to initiate the grow cycle. If the user will be using a seed instead of a Cardano Budz Harvest asset, they will be required to send in their seed(s) along with the 4.2 ada.

Once a grow cycle is initiated, any sent seeds provided will be destroyed/burned. If a Cardano Budz Harvest asset is leveraged, they will be noted within the platform, and unable to initiate a new grow cycle for 8 epochs. A section on the website, as well as a dedicated api will allow for public inquiry of the current seed availability status of a Cardano Budz Harvest asset. The grow kit asset will be iterated to display the appropriate number of plants within the grown tent. Any plants that do not reach maturity after 36 epochs will be considered dead and will not be able to produce a yield.

To advance the plants through each phase within the grow kit, a user will need to provide three materials per plant: water, energy, and nutrients. These materials will be available through the exchange of cbTHC. The target exchange rate will be 10 cbTHC per material. The material types will be handed out randomly, to create a community participation for the exchanging and bartering of needed supplies. To advance a grow kits plants, a user will connect to the web interface and provide their wallet address. They will be presented with the current state of their plants, and the quantity of needed materials, and the nominal fee to advance to the next phase. Materials may be provided at any time and will be credited to the wallet address they are sent from. A kit can only be advanced once per epoch. Since all plants will need to mature together, the combined amount of materials needed will need to be provided. (i.e. if growing 2 plants, then 2 water, 2 energy, and 2 nutrients will need to be provided to advance to the next grow stage). As each kit is progressed, their grow kit asset will be iterated to display the current state of their plants.

After 8 completed grow phases, the grow kit asset will be ready for harvesting. The user will connect to the web interface one last time. They will input their wallet address into the site and will be displayed the option to harvest their completed grow kits plants. They will be sent a yield of both cbTHC and a quantity of seeds. If their grow kit has available grow cycles remaining, will be iterated back to an unoccupied state. If no available grow cycles remain, the asset will be iterated to its final state, displaying a highlight of its use history, and will act as a trophy for the bearer.

Important notes: At no time will a user ever need to return the grow kit for iteration. A grow kit, and any Cardano Budz asset can be traded or sold on the secondary market at any time, in its current state. The state and reward potential of each grow kit will pass to whoever possess them at the time, along with remaining completion timing. Grow materials will be fungible assets, to minimize blockchain bloat, and excess mint/burn requirements. Returned mats will be cycled back into our inventory for reuse. Since all seeds will carry unique attributes, they will be created as cNFT's, and will be burned upon use. Policy ID's of all assets in use will be displayed publicly on our website, and registered with all major secondary markets. We will add new policy ID's as needed. If a grow kit contains dead plants, they can be recycled for a nominal fee if they have one or more remaining grow cycles left.

Plant Yield Potential

To entice early adoption, we have created a system of diminishing returns over time, until a sustainable equilibrium is reached. The first 4200 plants grown, should have an average yield of 4200 cbTHC. The next 4200 plants should have an average yield of 2100 cbTHC. The next 8400 plants should have an average yield of 650 cbTHC. All plants will then produce an average of 420 cbTHC.

To reach these average numbers, a constant value will be applied to each plant. Then various factors will add to this constant; ie Grow Light, timeliness of plant iteration, DNA of the seeds used, and entropic randomization.

Seed Bank

All plants are female until breeding is unlocked.

F1 plants will only be producible with a Cardano Budz Harvest asset. No seed will be provided for F1 plants. Instead you will be able to start a new grow cycle if you hold a Cardano Budz Harvest Asset in your wallet, once every 8 epochs. If the asset exchanges hand before 8 epochs has reached, the new owner will not be able to redeem it for a new plant until the 8 epoch cooldown has been reached. F1 plants should be considered stable, and will have dependable yields.

F2 seeds will come from matured F1 plants. They will have similar qualities to their F1 parents.

Once a cultivator has completed 2 harvests, they will become eligible to breed. At this point, each plant will have a 1 in 5 chance of being male. As in real life, you will not be able to determine the sex until they reach the flowering stage (5th iteration). If a male is produced, the grower will be able to decide to either 1) Remove it for the best yield, or 2) keep it, which will greatly diminish the cbTHC yield, but will produce F3 seeds. F3 seeds will be considered unstable. And each seed obtained from breeding will be unique. Although there will be significant swings in their output, they should average a better yield than F1 and F2 seeds. As a cultivator gains experience through completed grow cycles, their F3 seeds will tend to stabilize.

Once a cultivator has completed 15 grow cycles, they will unlock the ability to generate F4 seeds. F4 seeds can only come from a stable male and stable female F3 plant. Once an F4 plant is created, the cultivator will then gain a mother plant that, if maintained, can take cuttings from for future harvests. Cultivators that reach this status will be able to name their own strain and will be the sole source of those seeds. F4 plants are considered stable with dependable yield; which is substantially higher than F1 and F2. The cultivator will need to continue to grow from their mother plant to produce these F4 seeds.

At the present time, we have not developed a strategy for F5 or higher plants. But they are not ruled out for future development.

Marketplace

Every asset developed for use within GYOA remains the intellectual property of Digital Syndicate. The market value of these digital assets belongs solely to the holder. As such you are free to use them, sell them, or barter them any way you choose. You are free to use any secondary marketplace. We are also developing an integrated marketplace on CardanoBudz.io, which will allow an easy ability to connect with other cultivators to exchange assets, materials, and seeds. Anyone who achieves F4 status will be allowed to create a special page on our marketplace to sell their coveted F4 seeds.

Tokenomics

A detailed tokenomics guide will be released publically in the near term. cbTHC has been minted with a maximum quantity of 420,000,000 on the Cardano Mainnet. cbTHC has been registered with the Cardano Foundation Registry with 6 decimal places known as “Budlaces”. This allows for cbTHC to be fractionalized for earning through staking rewards, and is akin to Ada and Lovelaces. It has been created with a locking policy that expires on February 8th, 2022, at which point it can be assured that no more can be produced. Since Cardano application development is still in its infancy, some wallets and websites may display cbTHC with its additional 6 zeroes. As more applications adhere to the latest standards, they will display with the appropriate quantities. We anticipate it to be listed in the major DEX’s as early as practical. The working cbTHC allocation is as follows:

Core Team	25%
Future Hires	5%
Future Development	20%
Treasury	10%
DEX Listing / Crowdsales	15%
Giveaways/Marketing	5%
In Game Use	20%

Future Development Plans

As GYOA matures, we intend to add further development and refinement to the platform. Emphasis will be placed on user experience and user interface. We have plans to develop a handheld application on iPhone and Android to participate in GYOA. Since GYOA requires acquiring assets that have real world costs associated with attainment, we plan to have a version of GYOA functional on Testnet. This will allow players of the handheld application to “Try before they buy”. Once the appropriate assets are acquired, they can then use their handheld application on Mainnet.

FAQ

Why build this on Cardano?

The Digital Syndicate team is comprised of Cardano Enthusiasts, who have been developing on Cardano for a substantial amount of time. The team members have diverse backgrounds with numerous blockchains. We feel that Cardano’s community is comprised of some of the best people we’ve worked with. The proof of stake model is sustainable, and many orders of magnitude more environmentally friendly compared to proof of work blockchains. We do not have plans to develop on other blockchains at the present time.

When can we anticipate being able to allow cultivating on GYOA?

Our target is Q2 of 2022. If we feel it isn’t ready for public release, we will communicate that to our audience as early as possible. We believe our targeted release dates are practical and achievable.

What kind of financial gains can you anticipate?

No guarantees or promises are made as to potential financial gain. Every effort will be made by the Cardano Budz / Digital Syndicate team to meet goals and timelines as described in this whitepaper. The digital assets should not be treated as investment vehicles of any kind.

How do we know this is not a rug pull project?

As with any cNFT project, you should always do your own research. The Cardano Budz / Digital Syndicate team has a solid reputation for delivering on their promises. We have strong ties and relationships to numerous reputable project teams working within this space. We have been active members of the community prior to the Mary Era (pre native assets), and have had a successful pre Alonzo (pre Smart Contract) launch of Cardano Budz Harvest One. We own and operate cNFTHub.io, which is a catalyst funded website, dedicated to Cardano NFT's, and has native support for 99 world languages. It currently has over 1000 hits every day, with a steady rise in traffic every day. We are part of the Plutus Pioneers program, and we participated in authoring CIP-0027 for royalties on Cardano. Most importantly, we have always made ourselves available to the public, and have made our identities well known.

How do you stake your NFT's?

Delegate to BUDZ or FIGHT pool with your Cardano Budz assets in your wallet. You will earn standard Ada rewards, as well as cbTHC. The cbTHC gains additional multipliers from staked Cardano Budz assets.