



FROM SEED TO SALE

ERBA CULTIVATION  
**WHITE PAPER**

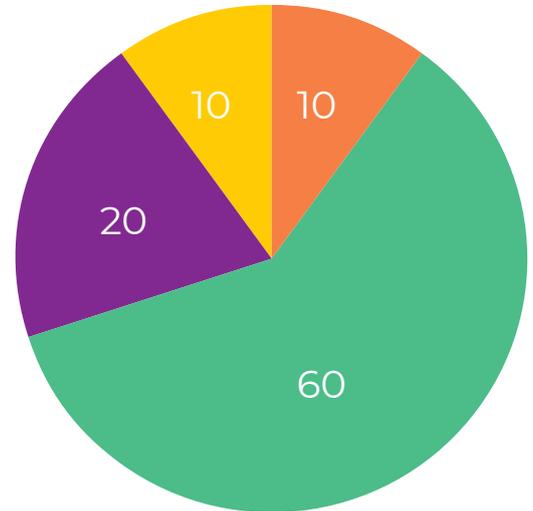
The world is changing its view on hemp. Erba Cultivation brings you the first blockchain based Industrial Hemp farm and extraction facility.

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# Token Distribution Details

- **Company name:** Erba Cultivation, LLC
- **Token Symbol:** ERB
- **Token Type:** ERC-223
- **Total ERB Tokens:** 10,000,000
- **Available During Pre-ICO:** 1,000,000
- **Available During Main ICO:** 6,000,000
- **Team & Advisors(3-years lock):** 2,000,000
- **Treasury Reserve(2-years lock):** 1,000,000
- **Pre-ICO Price:** 1 ERB = \$0.6
- **Pre-ICO HardCap:** \$600,000
- **Total HardCap:** \$4,200,000
- **Pre-ICO Start:** April 20, 2020 at 12.00 A.M.
- **Main-ICO Start:** May 20, 2020 at 12.00 A.M.
- **Duration:** 60 DAYS
- **10% Bonus:** First 10 Days of Pre-ICO
- **Reissuance:** Never
- **Accepted currencies:** BTC, ETH, and more
- **Smart DEC or GitHub:** <https://github.com/ErbaCultivation>



■ Pre-ICO      ■ Team and Advisors  
■ Main-ICO      ■ Treasury Reserve



# Definitions

## INDUSTRIAL HEMP

New genetic mapping of the cannabis plant shows humans are closely related, sharing over 40% of our genome with the plant. Studies have revealed that cannabis has evolved with humans over thousands of years in a process called co-evolution. Hemp may have been used for our first rope, fabric, paper, and one of our first medicines. Today there are an estimated 50,000 products derived from hemp spanning nine major markets including: medicine, textiles, food/nutrition/beverages, construction, personal care, automotive and furniture. While Industrial hemp produces little or no THC, it does contain CBD.

## CBD

CBD, short for cannabidiol is a naturally occurring chemical produced uniquely by the cannabis family. To understand the benefits of CBD, you need to understand how it works in the body. CBD works with a series of receptors in your body known as the endocannabinoid system (ECS). The ECS is involved in regulating your anti-inflammatory response, immune system, appetite, mood, anxiety levels, sleep schedule and more. Essentially, helping your body maintain a chemical balance called homeostasis. CBD is non-psychoactive, meaning it doesn't cause the "high" associated with marijuana.

## BLOCKCHAIN

The blockchain is a database or distributed ledger which tracks and records all transactions, contracts and maintains data across different locations in a trustless manner, eliminating the need for a central authority to store and control records.



## ETHEREUM

Ethereum is a global computer, designed to process instructions in a decentralized, trustless manner, using processing power and storage from thousands of computers or "nodes" all over the world. On Ethereum, you can facilitate the exchange of money, content, property, shares, or anything of value, without any possibility of censorship, downtime, fraud or third-party interference.

## ICO

ICO, which stands for "Initial Coin Offering" is a crowdfund of capital via crypto investments in the initial stages of a company. ICOs offer a legally compliant new growth area, that will allow companies to put everything from stocks to land onto tradable digital tokens.

## ERBA Cultivation token (ERB)

ERB tokens are created on the Ethereum network to represent a digital share of Erba Cultivation, backed by real agricultural land and hemp-derived CBD products. Tokens are designed to be the preferred means of payment for online transactions on our website.



# Executive Summary

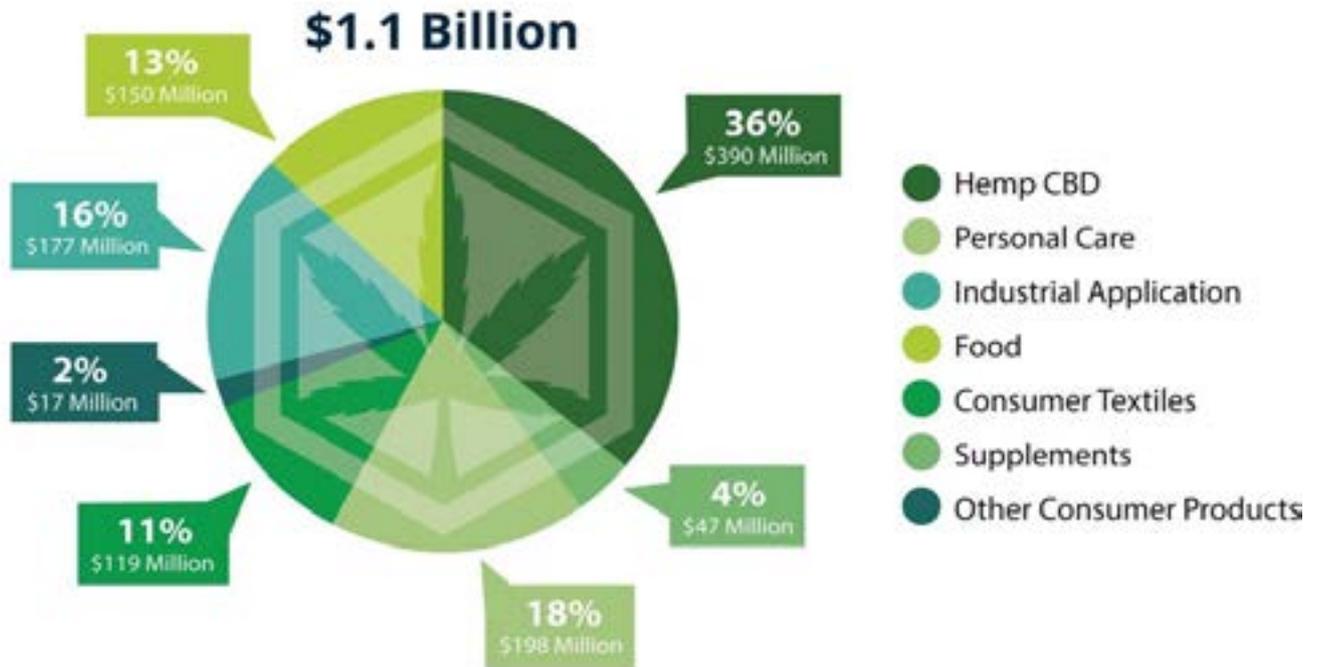
Erba Cultivation is building a hemp-derived CBD company in the United States and will establish a vertical framework extending from Hemp Cultivation to CBD Extraction and Manufacturing of our own CBD infused product line. Our team members are successful entrepreneurs with decades of experience in business, cannabis science and blockchain technology. They possess extensive legal, financial and accounting expertise that combined will create long term sustainable value for the (ERB) token. The primary potential income considered consists of two main products: [1] CBD extract and [2] dried high-potency CBD biomass. Our target is to produce over 2000 pounds of CBD rich hemp biomass per acre, containing a THC content less than <0.3% and a CBD content of 12-15%. Once harvested, the next phase includes processing hemp through our extraction equipment to produce Full Spectrum CBD oil and high-valued CBD isolate.

The purpose of Erba Cultivation is to help facilitate the mass reintroduction of hemp-based products into what for almost 80-years has in the US been a traditionally reluctant market. Over half of the world's hemp production is imported into the U.S, yet it is the only industrialized nation that has forbidden growing hemp on a large scale. Fortunately, with the passing of the 2018 Farm Bill it is now legal again, to grow hemp in the United States—making it eligible for crop insurance and allowing the transfer across state lines. Industrial hemp-derived CBD sales are now expected to outpace all other cannabis markets. Growing from \$591 million in 2018, to a projected \$20 billion by 2022. A large majority of Americans haven't discovered CBD yet and as more and more do, producers and processors will struggle to meet an ever-expanding demand for high-quality CBD oil (including full-spectrum, isolate and distillate).

Locating our headquarters in Texas is a strategic move that enables us to keep production costs low and positions us near large consumer markets. Spanning over 220 +/- acres, the Texas Panhandle agricultural property is located in the heart of the dairy/feedyard industry, approximately one mile of FM 1524. The property was selected in a proven farming area with excellent topsoil and comes with approximately 200 acres of private water rights, fitted with drip irrigation and automatic fertilizer injection systems. Twenty acres are set aside for building cannabis-specific greenhouses, extraction equipment, and storage areas.



## 2018 U.S. Hemp-Based Sales by Category



## Hemp-Derived CBD Market Summary

U.S. sales of products containing hemp-derived cannabidiol more commonly known as CBD, are leading the way in the U.S. Hemp sales following last year's passage of the 2018 Farm Bill. According to "Cannabinoids Escape the Dispensary", a new report from [Arcview Market Research](#) and [BDS Analytics](#), the collective market for CBD sales is predicted to surge from \$1.9 billion in 2018 to over \$20 billion by 2024, with much of the real potential still yet to come. The hemp-derived CBD industry in the US is only just starting yet there is huge consumer interest in Ingestibles including (tinctures, pills, beverages, food) and Topicals (creams, balms, salves) formats.

In recent years, general retailers have taken notice of the compound's popularity. Analysis predicts that the majority of CBD product sales will soon occur in general retail stores, rather than cannabis dispensaries, as is currently the case. Consumers can already buy hemp-derived CBD products in Walmart, CVS, Walgreens, Rite Aid and thousands of other large retailers across the country. On April 20th 2019, Carl Jr's was the first to test its CBD-infused Cheeseburger in its Denver, Colorado location. Even Coca-Cola has been looking into possibly launching CBD infused products. A report from Wall Street's Cowan suggests that Starbucks could (Eventually) be one of the first major chains to offer cannabidiol-infused drinks. Over the short- to medium-term, we expect CBD to expand into pharmacies, grocery chains, pet stores, natural food chains, and other big-box retailers.

# Rewarding Token Holders - The Buyback & Burn Program

Erba Cultivation is projected to be profitable during the second year of production and aims to reward all ERB token holders by distributing the company's accrued profits to the Buyback and Burn smart contract. There are two main ways to return value to investors: dividends and buybacks. Dividends create a variety of problems in the digital asset space, one of the primary concerns being - paying dividends to tokens which are held on an exchange.

As a result, we've decided to choose a more efficient and regulatory favorable value disbursement method called Buyback and Burn. Every quarter, we will use 45% of the profits generated by our company to repurchase tokens on exchanges and "Burn" them - meaning tokens are submitted to a special Smart Contract address where they are permanently locked, effectively destroying these tokens and removing them from circulation. By reducing the overall token supply, we generate additional scarcity, putting upward pressure on the token price. The remaining 55% will go towards business expansions insuring long term value of ERB tokens.

Token buybacks are calculated with sales of hemp crop and CBD production yields as a part of net profit, but not revenue, therefore before funds can be included into the token buyback payout pool, the costs of seeds, fertilizers and maintenance must be deducted. Due to the transparent nature of blockchain anyone can confirm that the buyback has taken place by using the TX-ID and entering it into an explorer to check for themselves.



## Tokens In Circulation

The value of the token should theoretically go up if there are less in circulation



Investors purchase tokens



Proceeds raised are used to establish Erba Cultivation.



Investors are rewarded through token buyback and burns.



# Background to Digital Securities

The core technologies of the Fourth Industrial Revolution are reshaping the world in every possible way. Artificial intelligence and the Internet of Things are disruptive technologies, but it is the role of blockchain to fundamentally allow them to co-exist with our financial industry. In recent years, significant advances in these technologies have begun to majorly change our securities markets and many others. Bringing significant improvements such as: simplified transfer of ownership, transparency, reduced administrative burden, and opportunity for greater liquidity.

Today, Ethereum is widely regarded as the next-generation blockchain, which aims to support advanced features such as user-issued coins, decentralized exchanges, and smart contracts. Unlike other protocols, Ethereum is a multi-purpose program, used to create applications that are beyond just digital currency.

## Erba Cultivation (ERB) Utility Token -

Created on the Ethereum blockchain, Erba Cultivation (ERB) tokens will allow efficient communication between investors, consumers, and producers. "ERB" is the native token of Erba Cultivation and is designed to be the preferred means of payment for online transactions through our website. Users can enjoy free shipping and an additional 10% discount when buying CBD products with (ERB) tokens at ([ErbaCultivation.com/shop](https://ErbaCultivation.com/shop)). The value of ERB Tokens, and how many will be required to purchase products or services, will change based on the floating exchange rate. Token values will be calculated at the time of sale to price goods and services.

During Phase three (See page 13) we intend to start developing our own line of products. These products will be voted into creation by the community themselves. Anyone can share their ideas on our platform to have them voted on and ultimately funded by Erba Cultivation token holders. We pride ourselves on being decentralized and intend to let blockchain influence our culture, ownership and management structures. The community will naturally shape the future of the company, eventually leading us to focus on new aspects of the hemp industry.

## ERC223 Token Protocol -

The "ERB" token is an unmineable, ERC223 standard built on the Ethereum Blockchain, which makes it a widely used and accepted standard. By design ERC-223 tokens carry all of the same benefits of an ERC-20 and support most Ethereum based exchanges and all ETH wallets. ERC223 also eliminates possible misuse of tokens and disallows sending of non supported tokens to contracts. For example, ERC223 overcomes the issue that allows users to send tokens to a wallet, even if it doesn't support the digital currency. Currently with ERC20 tokens this transaction cannot be reversed. Using the ERC223 protocol, if the wallet address does not support the particular cryptocurrency, the transaction is refused. Additionally, ERC223 allows for a single call atomic function process, which makes it cheaper and faster than ERC20 and due to the nature of the process using tokenFallback allows for easy cancellation of disputed transactions, rather than calling a new transfer function with 0 balance to cancel out a disputed transaction.

# Legal & Regulatory Compliance-

Hemp was legalized on a federal level when Congress passed the Agriculture Improvement Act of 2018. One of the significant components of this legislation was to remove hemp immediately – defined as cannabis below 0.3% THC – from the Controlled Substances Act and into the Department of Agriculture. Furthermore, the Texas state Department of Agriculture (TDA), has signed into law the House Bill 1325, authorizing the production, manufacture and retail sales of Hemp products. This includes products for human consumption that may contain cannabidiol, also known as CBD, and certain other parts of the hemp plant. In addition, Texas and many other states have introduced bills designed to further blockchain adoption and support investment in blockchain entrepreneurs. By locating ourselves in Texas, we benefit from clear regulations and find ourselves close to large suppliers, manufacturers, and other beneficial partners.

Texas was the first state to release an official position on bitcoin with Memorandum 1037 clarifying that no money transmitter's license is required to sell Bitcoin. In March 2019, the Texas House introduced a bill to establish a Texas blockchain working group. The proposal says, "blockchain technology is a critically important development in commerce and finance, and in recognition of the importance for Texas as a center of technology and commerce. The Legislature deems it important to the future of this State to develop and recommend policies for the blockchain industry and to create appropriate legal infrastructure for transactions based upon blockchain, including digital assets and virtual currencies." H.B. 4517, 86th Leg., Reg. Sess. (Tex. 2019).

## Hemp-Derived CBD Therapeutic Benefits

In recent years, cannabis has gained international attention because it contains more than 400 different organic compounds, of those 113 are cannabinoids. The most widely known of these are, Tetrahydrocannabinol (THC), Cannabidiol (CBD), Cannabinol (CBN) and Cannabigerol (CBGS). Beyond these Cannabinoids, cannabis also contains Terpenes & Flavonoids which also show promising medical and therapeutic capabilities.

Cannabis varieties rich in THC (tetrahydrocannabinol) are known for their recreational use to stimulate the brain. However, more recently we've seen a shift in interest from THC to the lesser known CBD. CBD reduces far more physical and mental stress symptoms as opposed to THC. Additionally, CBD will not produce the same psychoactive "high" feeling as marijuana and typically produces a calming effect on the body.

Cannabinoids directly interact with a number of receptors located throughout the body and central nervous system. For instance, THC activates receptors most commonly found in the brain, yet CBD acts upon receptors located in organs and immune cells. Stimulating these receptors plays a crucial role in regulating a wide range of physiological processes that affect our everyday experience including our mood, energy level, blood pressure, immune activity, bone density, glucose metabolism and how we deal with pain, stress, hunger, and more. According to the National Institute of health, by introducing external cannabinoids like CBD to the body's endocannabinoid system, we can treat a variety of medical ailments, including:

- [Inflammation](#)
- [Pain](#)
- [Diabetes](#)
- [Alzheimer](#)
- [Cancer](#)
- [Anxiety](#)
- [Irritable Bowel Syndrome \(IBS\)](#)
- [Schizophrenia](#)
- [ADHD](#)
- [Epilepsy](#)
- [\(ALS\)](#)
- [Parkinson's](#)
- [Acne](#)
- [Dyskinesia](#)
- [Psoriasis](#)
- [Broken Bones](#)
- [Depression](#)
- [Bacterial Infections](#)
- [Rheumatoid Arthritis](#)
- [Nausea](#)
- [Heart Disease](#)
- [Multiple Sclerosis \(MS\)](#)
- [Substance Abuse/Withdrawal](#)

These conditions often require a significant amount of medications to manage and treat. While those medications are helpful, some of them come with significant potential side effects. People who are seeking alternatives to pharmaceuticals with harsh side effects can benefit from trying CBD, providing relief from many ailments. There is extensive research sponsored by our government, as well as mounting accounts from patients and physician's that advocate CBD as a potential treatment for a wide range of health issues. It has also shown neuroprotective effects and anti-cancer properties, that are currently being investigated at academic research centers in the US and around the world.

\*The statements made regarding these products have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure or prevent any disease.

## CBD Infused Products

### Tinctures

CBD tinctures, often referred as CBD oil, is a product that usually comes in small vials with a dropper. They can be consumed by placing drops under the tongue or ingested through the stomach.

### Topicals

CBD topicals, such as Balms, Salves, Lotions, and Creams, are a popular choice for people looking to heal their skin from potential inflammatory issues such as rash, eczema, psoriasis, and more. CBD topicals can also be used to support pain relief for chronic issues such as arthritis, fibromyalgia, joint pain and muscle soreness.

### Softgels & Capsules

CBD softgels are simply a pill-form of CBD extract that is swallowed like any other supplement. CBD softgels and capsules are great for people looking to optimize their exact dosage of CBD.

### Edibles

CBD edibles are commonly packaged as sweets like gummies, chocolate, cookies, brownies and much more. Similar to capsules and soft gels, many times, edibles are a specific amount of CBD in a serving size.

### Transdermal patches

Similar to the design of patches used by cigarette smokers, CBD transdermal patches are an effective way to provide long-lasting relief into a patient's skin and endocannabinoid system throughout the da

### CBD Oil For Pets

Like humans, our furry friends also have an endocannabinoid system. The endocannabinoid system plays many roles in mammals of all kinds, including regulating the body's optimal balance and natural rhythms.

### CBD Vape Oil

Vaping CBD is popular right now, but research into the side effects of vaping CBD is still in its infancy; for this reason, we cannot recommend using vape products. CBD vape oil can be vaporized and inhaled through an e-cigarette, vape pen or vaporizer. Compounds are inhaled and absorbed directly from the lungs into the bloodstream.



# CBD Extraction Technology

It is clear that the 2021 and 2021 hemp cultivation seasons will be massive. We expect the demand between cultivators and extractors to continue to heavily favor extraction companies, which must expand massively to be able to handle the significant amounts of hemp biomass that will be harvested and ultimately need processing. Industry observers predict that current extraction infrastructure simply won't suffice to meet future demand for cannabis in oil-form.

To meet these demands Erba Cultivation has partnered with Delta Separations, a leader in state-of-the-art extraction methods, specializing in the use of ethanol, which is safer than butane and more effective than supercritical CO<sub>2</sub>s to harvest CBD from hemp. The CUP-30 introduces new technological innovations in ethanol-based CBD extraction and is the first extractor to have a built-in mechanical centrifuge. The system spins the hemp material at various speeds while simultaneously injecting supercooled ethanol at a metered rate. Allowing us to extract 98.5 percent of CBD present in the plant without leaving behind any botanical compounds. With a throughput of up to 700lbs per 8-hour day, this system ensures high quality crude oil in a fraction of the time.



The operator fills a large filter bag with milled hemp plant and places it into the system where it is sprayed and flooded with supercooled alcohol. After the wash, the plant material undergoes a spin cycle, leaving the dry plant material behind and a mixture of alcohol-containing the plant's cannabinoids, terpenes, chlorophyll and waxes. This mixture is then used for another run of plant material or diverted into a mixing tank for further processing.

# What is Ethanol?

Often referred to as grain alcohol, ethanol is the main type of alcohol produced by grain fermentation. Ethanol is the only type of alcohol that you can drink without seriously harming yourself. Not only is it effective in extracting CBD from plant material, it's also "Generally Regarded as Safe" by the FDA and is already used in many common foods and medicines.

Currently, Butane and Supercritical CO<sub>2</sub> are the most widely used solvents. However, both of these solvents have their downfalls. Butane can retain an array of toxins that are harmful to the human body, at the same time, butane is highly combustible. Supercritical Co<sub>2</sub> is relatively safe in terms of toxicity, but requires a lengthy purification process which add large expanses. That means the output on our ethanol systems is much higher than other systems that require expensive post-processing.

## (FFE-60) Falling Film Evaporator

Designed to connect to the CUP-30 extraction system, the FFE-60 (Falling Film Evaporators) is used to evaporate and recover alcohol used in the extraction of hemp and other botanical compounds, doing the work of multiple large rotary evaporators while drawing the power from just one machine. This system separates ethanol from the cannabinoids of the hemp plant much more efficiently than traditional systems.



## (RFD-27 )Rolled Film Distillation

The RFD-27 (rolling film distillation) is the final step in the processing of high-quality CBD distillate. The RFD-27 is designed to refine the crude oil and deliver clear distillate at fast speeds, removing undesirable compounds to create finished oil. Our operator can achieve molecular separation of the individually targeted cannabinoids from crude oil produces high purity 90-95% distillate.

At Erba Cultivation, we follow a rigorous process to ensure our customers receive the highest quality and purest product possible. Each batch of products is tested in a laboratory to ensure that they are toxin-free, contamination-free and of consistently high quality. Our processing facility will operate as certified for cGMP, organic, Halal and Kosher.



# Erba Cultivation Will Launch Operations In Three Phases

## PHASE 1 - Planting and Extraction

During phase one, the Company will begin planting highly-adaptable and carefully selected hemp seeds at our Texas location in the United States. Hemp genetics that are selected for their high CBD production and can take approximately 5-7 months from seed to harvest. During this time our focus will be to purchase high potency CBD-biomass from existing licenced farmers to start running through our extraction facility. Being able to extract cannabinoids early on will provide the (ERB) token sustainability as we expand and develop the next phases of the strategy.

## PHASE 2- Harvesting and Expansion

The careful harvesting of our first crops will surely be an exciting time. In phase 2, Erba Cultivation will transition from processing hemp grown on other farmers to using our in-house grow strains. During this phase, we will focus on the expansion - doubling our extraction capacity with the addition of two new CUP-30 extraction systems. Meant to prepare us for 200 acres of internally grown crop production that will take processing priority during the immediate months after harvest.

## PHASE 3 - Retail Sales & Manufacturing

During Phase three we will begin to manufacture our own CBD infused product line and develop the Erba Cultivation ecommerce website. Retail sales will only be partial to our wholesale program accommodating for small quantities of our stock however these products will be sold at retail prices to double even tripling our profit margins. [ErbaCultivation.com/shop](https://ErbaCultivation.com/shop) will ship wholesale and retail CBD products internationally. As time goes on we plan to expand our retail footprint through further marketing efforts.

Made from organic industrial-grade hemp, our CBD-infused products will be made in ISO7 Clean-rooms for sterile production, ensuring each package and bottle has the proper balance in all aspects. Our products will be regularly sent out for testing to maintain & go beyond industry standards and customer expectations. All of our products will be made in the USA and are manufactured in-house. This opens doors to deliver greater options for our customers, whether producing different concentrations of CBD oils, varying sizes of vials, and even additional products.



# Business and Revenue Generation Model

## Current Wholesale Market Rates for Industrial Hemp Products

Hemp growers surveyed by Marijuana Business Daily report that the market is fetching a minimum of:

**\$200 or more per pound for flower, depending on CBD content and quality;**

**About \$10 per pound of food-grade seed, or \$45 per gallon for seed oil;**

**About \$200 per tonne of baled fibre;**

**About \$10,000 per kilograms of CBD isolate**

Due to the many variables that must be considered to forecast our CBD output, the following price calculations are possibly incorrect and are subject to change. The analysis below is based on the average prices of hemp Biomass and CBD oil collected from hemp growers all over the country.

Erba Cultivation will begin with an estimated 200 acres of farmland purchased to grow hemp, and using a conservative estimate of 1,500 pounds of flower per acre, the total harvest would be 300,000 pounds of high-potency CBD hemp biomass.

Assuming the Hemp biomass contains a conservative CBD content of 10%, it can be sold for a lower than average cost of \$30 a pound. With 200 acres of farmland, we can roughly generate a gross revenue of \$9,000,000 from growing high CBD biomass alone.

During Phase 2 Erba Cultivation will process all the hemp biomass into CBD extracts. If this material contains an average 10% CBD content, 300,000 pounds can produce on average 30,000lbs or 13,600kg of CBD oil. The extraction process will result in some losses. Generally speaking 200 acre will produce between 13,000-13,600kg of finished CBD as isolate, distillate or full spectrum oil. So 300,000lbs of hemp biomass is turned into approximately 13,400 kg of full-spectrum CBD oil, selling at a very conservative, wholesale rate of \$1,500 per kg. In total, we can generate over \$20,100,000 through growing and processing high CBD hemp strains.

### Phase 1 Revenue Generation Model

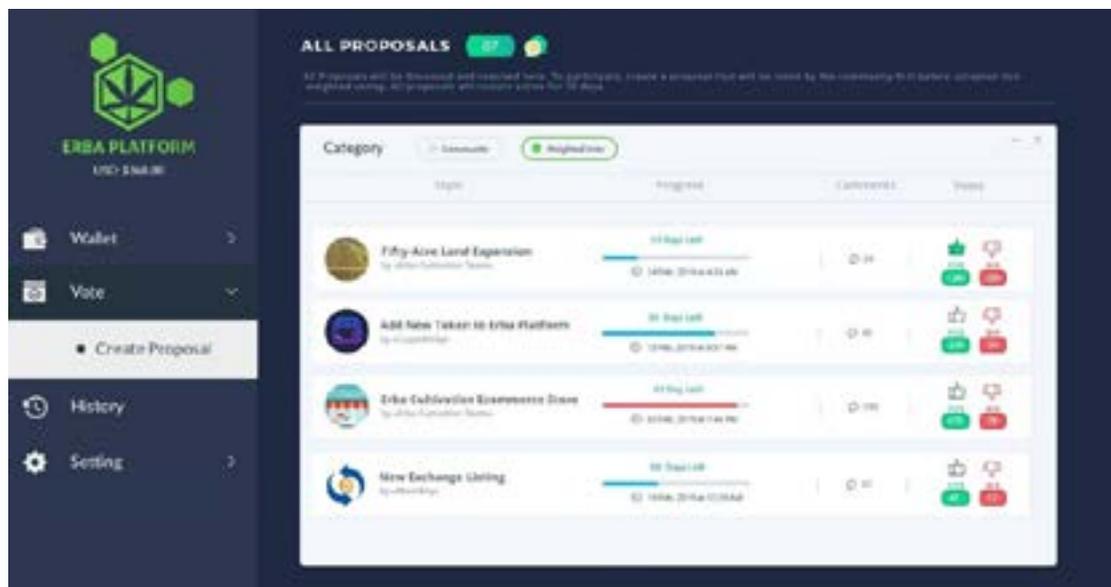
The cost to purchase hemp Biomass is \$3.00 – \$4.00 per percentage point of CBD content. Assuming 10% cannabinoid content, it will cost an average of \$30 per pound +15\$ for processing costs (rent, labor, Electricity) equates to 45\$/lb of total expenses. Running 16 hours per day, only on standard business days, the CUP-30 will process approximately 1,200 pounds of dry hemp per day. Containing a 10% cannabinoid content, this would yield over 2,700 kilograms of full spectrum CBD oil per 5 day week. After all expenses and profit margins are deducted we end up Netting: 26,000\$/day or 520,000\$/month.

# Erba Cultivation 3-Year Projected Profit & Loss

	Year 2021	Year 2022	Year 2023
<b>Revenue:</b>			
Wholesale	\$1,200,000	\$4,300,000	\$8,000,000
Retail	\$0	\$500,000	\$2,000,000
<b>Expenses:</b>			
CUP- Ethanol Extractor	\$125,000	\$125,000	\$125,000
FFE - Falling Film Evaporator	\$190,000	\$0	\$0
RFD - Rolled Film Distillation	\$150,000	\$0	\$0
Agricultural Land (220 Acres)	\$600,000	\$0	\$0
Certified Seed	\$40,000	\$40,000	\$40,000
Drying and Warehouse Facility	\$150,000	\$0	\$0
Planting & harvesting Equipment	\$45,000	\$20,000	\$20,000
Licensing/Legal fees	\$50,000	\$1000	\$1000
Utility Expenses	\$60,000	\$60,000	\$60,000
Insurance	\$2,500	\$2,500	\$2,500
Mislluscious Expenses	\$35,500	\$35,500	35,500
Management/Labor	\$320,000	\$550,000	\$780,000
Fertilizer	\$10,000	10,000	\$10,000
Ethanol	\$5,000	\$8,000	\$12,000
Manufacturing Equipment		150,000	
Ecommerce Website & Governance Platform		65,000	
Product Promotion		50,000	50,000
<b>Total Operating Expenses</b>	<b>\$1,782,500</b>	<b>\$1,115,000</b>	<b>\$1,292,000</b>
<b>Net Profit</b>	<b>-\$582,500</b>	<b>\$4,485,000</b>	<b>\$9,676,000</b>

# The Erba Platform

The Erba platform is a web and mobile application, utilizing both off chain governance models and on-chain protocols.



## How to Vote on Governance Decisions

During each voting period, 'VTE' Voting tokens will be airdropped to all "ERB" token holders at a 1:1 ratio. For example, if you hold 10,000 (ERB), you will also receive 10,000 (VTE).

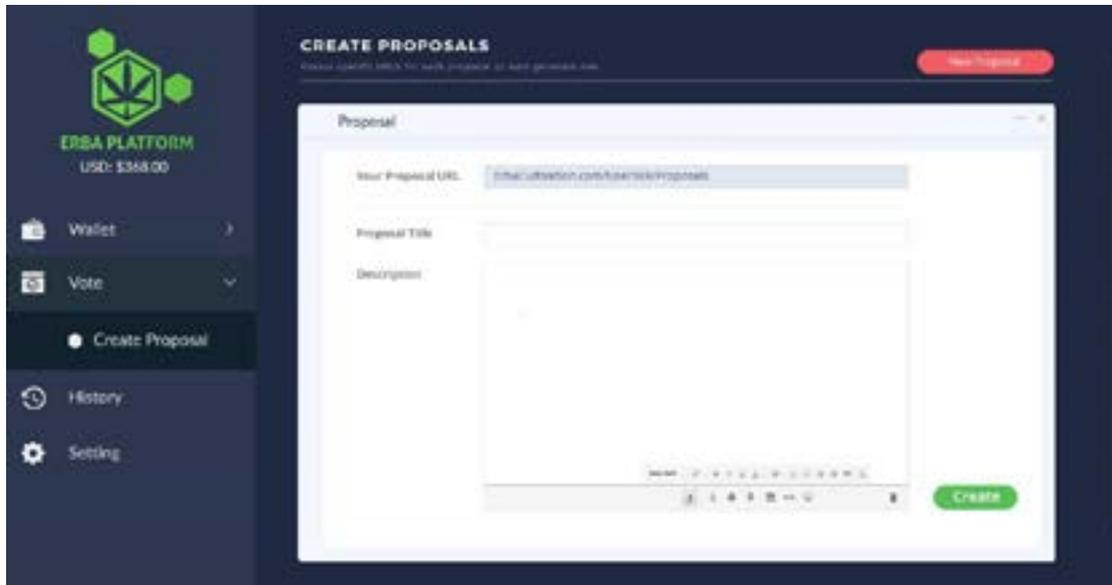
(VTE) tokens can be used on the Erba Platform as voting power on an active proposal that you support. All remaining VTE tokens not used during the voting period will expire and balances will disappear using a (selfdestruct) function coded into the token contract.

(VTE) tokens will then be reissued during the next voting session based on the user's updated (ERB) token balance. This system improves security in the voting process by keeping your valuable ERB tokens safe in any wallet you choose

While the selfdestruct function can be a vector for fraud, it can also be used responsibly. It was created to facilitate garbage collection on the blockchain by allowing token developers to remove obsolete contracts. This is why the selfdestruct function is set to consume negative gas, effectively subsidizing transactions that clean up the blockchain.

## Proposals

Anyone can create a proposal by paying a submission fee of 100 ERBA tokens. Add your title and description along with any videos or file attachments. If the proposal is accepted, the submission fee is returned. However, if the proposal is denied, fees are irreversibly destroyed. This fee will prevent spam and ensure only serious proposals are made. Once voting begins submitted proposals cannot be altered.



**Below are some of the categories you can submit proposals for and vote on**

- New board seats awarded by a company.
- Request company information or code audit
- Strategic business decisions
- Integrate with a specific crypto-protocol
- Listing (ERB) on additional exchanges
- Adding New tokens to Erba platform
- Private label CBD products / New hemp processing facilities

Due to the fact that circumstances change over time as more information becomes available, we need decision systems in place in order to adapt. Overtime as Erba Cultivation matures we will gradually become more decentralized, giving more power to token holders. As new governance models and on-chain protocols are available, we will evolve, implementing them whenever possible.

## Looking Ahead - The Erba Treasury

Out of the initial total 10m supply of ERB tokens, we have set aside 10% (1 million) to be locked in the Erba Treasury for 2 years. The purpose of locking up these tokens is to effectively raise funds for the second phase of our operations at a later date, without creating new tokens. The Erba Cultivation Treasury will be an ongoing token sale in which investors can purchase (ERB) tokens directly from our treasury smart contract with zero slippage in an instant trustless transaction.

Starting on April 20th 2022, the smart contract releases 250 thousand (ERB) tokens every three months and sells them ongoing for one year until all tokens have been released. In order not to undercut our exchange partners or risk opportune traders dumping tokens, the price of the token is determined by us and will always be set at a market premium of an average 5% premium above CoinMarketCap price.

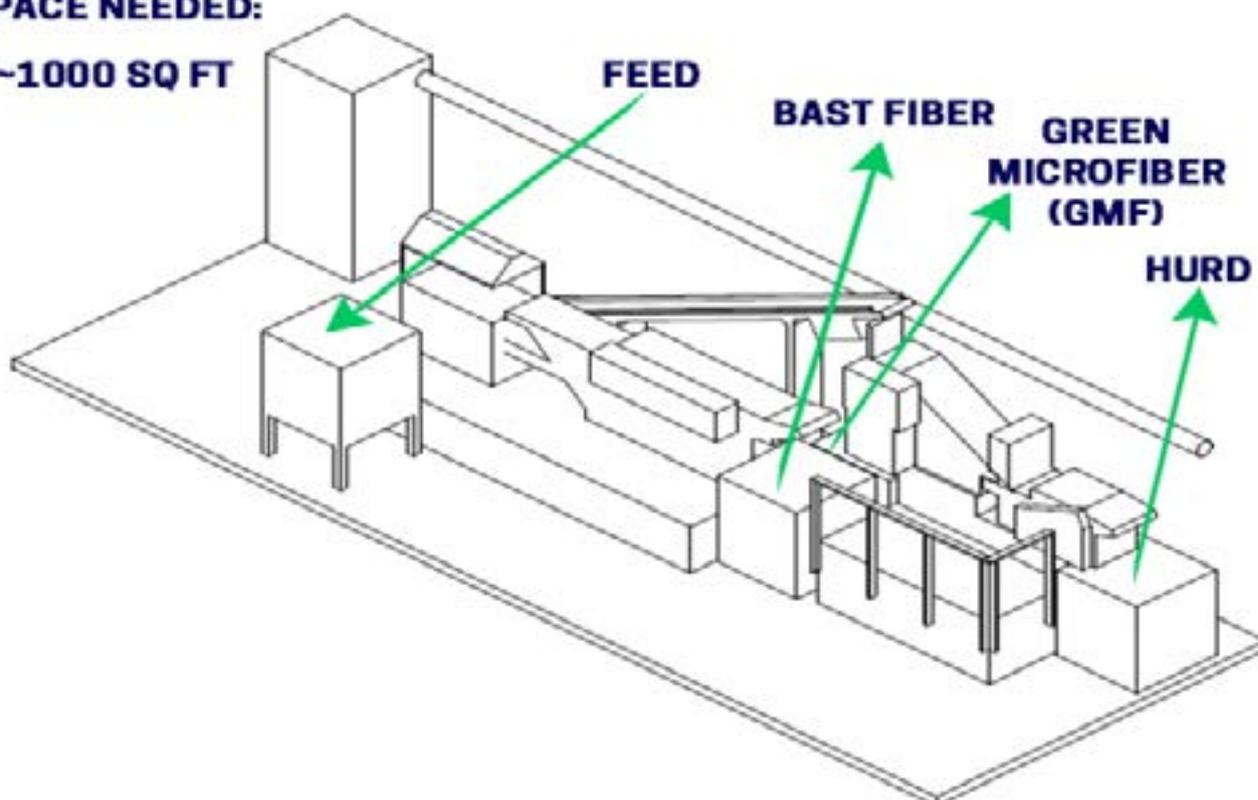
## The Future of Hemp Processing

While CBD production is a great start, our larger-scale mission is to ensure eco-friendly materials are available to manufacturers who wish to continue producing the same low-cost products without harming the planet. As the emerging market for hemp-based materials continues to grow, we will expand our land, transitioning into processing hemp seeds for oil, and hemp stalks for a variety of high-quality fibers.

Recent technology in hemp processing has opened the doors to a new breed of eco-friendly materials. Utilizing various hemp Decortication machinery we can convert industrial hemp into its fundamental components to become a wide range of environmentally friendly materials. Including fiberboard, roofing, flooring, wallboard, caulking, cement, paint, plaster, plywood, concrete, insulation, pipes, bricks, and biodegradable plastic composites. The robust system is a fully-automatic, self-contained facility, operating with higher efficiency and lower energy consumption than any conventional hammer mill and field decorticator.

### SPACE NEEDED:

~1000 SQ FT



## Hemp as a Competitive Crop

Since nations like the U.S and Australia have lifted their bans on growing hemp, the world is rediscovering the possibilities hemp can bring. Innovators are taking the opportunity to cultivate this versatile plant for a massive array of biodegradable materials including plastic polymers, building products, fabrics, wood, biofuel, paper and even car components

**Hemp-Based Timber-** Trees grown for wood take 10-20 years to mature. Industrial Hemp matures in 4 months and can be harvested 2-3 times a year. According to the U.S. Dept. of Agriculture, one acre of hemp can produce 4 times more paper than one acre of trees. Hemp could potentially replace anything that is made from timber. Using it for construction process will result in lighter and stronger wood products. Unlike fiberglass or drywall, hemp-based materials are non-toxic and mold-resistant.

**Hemp-Based Concrete-** Cement is the second most-consumed resource in the world, with more than 4 billion tons of the material products globally every year. As a result, the industry generates approximately 8 percent of global CO2 emissions. Hempcrete is a natural material made using hemp fibers and lime that can replace concrete, drywall, and insulation, thermal regulation, and fire resistance compared to concrete.

**Hemp-Based Steel-** The steel industry generates between 7% and 9% of direct emissions from the global use of fossil fuel. Hemp can be used to produce a **steel alternative** that is 10 times stronger than steel and 6 times more difficult at mending and bending than steel. The use of hemp as an alternative to steel will reduce the negative impacts of the steel production industry, such as harmful emission into the air and water, waste production and energy usage.

**Hemp-Based Plastic-** Today's plastics are derived from petroleum-based cellulose, yet these plastics are toxic and takes between 500 and 1,000 years to decompose in a landfill. Experts estimate that over 7 billion tons of plastic have not been recycled and are left lying around our planet. Hemp-based plastics offer the same capabilities of synthetic Plastic yet are non-toxic and biodegradable. Many eco-friendly companies have already started using hemp plastics in their products.



## Final Note

While the hemp plant has undoubtedly served as a critical resource during our early history, it may provide an even greater purpose in our immediate future. There is no denying that our dependence on fossil fuels and dirty industrial processes has left us fighting against harsh chemicals and a build-up of synthetic materials. Opposed to the efforts of today's greatest minds, the solution to this problem might not be a major technological advancement or a groundbreaking innovation. In reality, it may be as simple as a humble plant, with the ability to serve as a natural alternative to our most vital resources.

Along with growing hemp for the lucrative CBD oil it produces, Erba Cultivation will give back to the Earth by producing hemp for fiber and seed. Our long term vision is to make sure hemp-based products are available at a competitive price over synthetic and environmentally damaging materials, thus contributing in a small way to reversing the ecological crisis.

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## CONTACT INFO

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## Disclaimers and Risks

This document is a vision document and should not be considered a specification. It is not a promotional material, reflecting the fact of issuance of securities and calling for investment in the sense in which it understands the law on securities. ERB token does not give its holders ownership of a part of any segment of the public or private market. The main purpose of the ERB token existence is its use in the Erba Cultivation platform and online shop.

The sole purpose of this document is to present the Erba Cultivation project to potential holders of tokens in such a way that they can make reasonable and informed decisions regarding the purchase of ERB tokens. This document describes in detail the management of the Erba Cultivation project, its importance to society based on our beliefs, its functionality and objective grounds for investing in the acquisition of ERB tokens distributed within the token sale campaign.

### No advice

Just like any blockchain technology, acquisition of ERB tokens is associated with a high level of financial risk. All investments are done at your sole discretion and you are solely responsible for assessing all potential investment risks as well as doing your due diligence prior to the time of investment. Consult your advisors before making a decision to purchase any Tokens.

### No offer of securities

Erba Cultivation, LLC and “ERB” (as described in this Whitepaper) is not intended to constitute securities in any jurisdiction. This Whitepaper does not constitute a prospectus nor offer document of any sort and is not intended to constitute an offer or solicitation of securities or any other investment or other product in any jurisdiction.

All statements, project technical information and other declarative information contained in this document cannot be considered as guarantees or promises to the holders of ERB tokens. Such data may not be considered as a financial prediction of any. Forward-looking statements are based on publicly available statistics as well as the proposals and forecasts of the initiators of token sale PointPay. Despite the fact that the organizers believe the forward-looking statements are reasonable and implementable, Erba Cultivation cannot guarantee to buyers of tokens the correctness of such forward-looking statements, as well as the intended results of the company's activities specified in them. Erba Cultivation will do everything in their power to fulfill predictions listed in the roadmap in good faith to the best of their ability.

### Translations

This Whitepaper and related materials are originally issued in English. Any translation is for reference purposes only and is not certified by any person. If there is any inconsistency found between a translation and the English version of this Whitepaper, the English version prevails. Unless otherwise stated, all references

to “\$” and “dollars” in this Whitepaper pertain to United States dollars.

This Whitepaper has not been reviewed by any regulatory authority in any jurisdiction.

### Risk Factors

#### The risk of losing access to ERB tokens in case of loss of private keys

A private key or a combination of private keys is required to manage ERB tokens stored in your digital wallet. The loss of private keys connected to your digital wallet automatically leads to the loss of access to ERB tokens. In addition, if any third party gains access to your private keys or data to enter your wallet, access to your ERB tokens can also be lost.

Any technical issues related to the wallet on which you store ERB tokens, including your own wrong wallet maintenance actions, can also lead to the loss of ERB tokens. We strongly suggest you take every safety measure available to you in order to protect your wallet, your private keys and your ERB tokens. No ERB tokens will be re-issued in case of the loss or a theft.

#### Ethereum Protocol Use Risk.

Since ERB tokens and the entire Erba Cultivation ecosystem are based on the Ethereum protocol, any possible failure of the Ethereum protocol can adversely affect the ecosystem of Erba Cultivation and ERB tokens, which are in circulation within this system. The development of cryptography and technological advances in blockchain technology in general can also pose a potential threat to ERB tokens and the Erba Cultivation ecosystem, including token functionality and value.

#### Risk of mining attacks.

ERB tokens are at risk of miner attacks during the confirmation of token transactions in the Ethereum blockchain, including the risk of double-spending attacks, MMP attacks, and selfmining mining attacks. Any successful attack of this type puts the entire Erba Cultivation ecosystem at risk.

#### Risk of crack and Security Protocol Vulnerability.

Hackers and other organized crime groups may try to hack the Erba Cultivation ecosystem and assign ERB tokens to themselves in various ways.

#### The risk associated with unpredictable actions of regulators and law enforcement agencies.

Due to the imperfection of the legal framework, the legal status of ERB tokens and blockchain technologies is not clear in some jurisdictions. It is impossible to predict any law enforcement actions regarding the operation of the Erba Cultivation ecosystem and the handling of ERB tokens should the legal field change in such jurisdictions. It is also impossible to foresee possible changes in legislation made by legislative

bodies of various jurisdictions related to the regulation of the blockchain sphere. The possibility of such changes represents a potential risk for owners of ERB tokens. This may include, for instance, an updated requirement by a certain jurisdiction to have Erba Cultivation conduct a compulsory KYC/ AML procedure, where it was not previously required, in order to finalize the transaction.

#### **Taxation Risk.**

The tax component of the acquisition of ERB tokens is not clearly defined. Your purchase of ERB tokens can lead to adverse tax consequences, including income tax or other type of tax.

#### **Risk associated with the development and maintenance of the PointPay ecosystem.**

Erba Cultivation Ecosystem is under development and may be subject to significant changes and corrections in terms of technical operation up to the full completion of the development of the platform. The effectiveness of the Erba Cultivation ecosystem development largely depends on the number of ERB tokens sold. Poor token sale results can lead to a shortage of the resource base required for the full development of the ecosystem.

In case the project team does not collect the necessary amount required for product development (soft cap), all collected funds will be returned back to the investors, minus the commission for such a transaction.

#### **The risk of liquidating a company or ecosystem.**

One cannot rule out the possibility that for some reason, including an unfavorable change in the exchange rate of currencies such as ETH, BTC or other cryptocurrencies, a drop in the level of functional utility of ERB tokens beyond our competence may occur. Legal problems and intellectual property issues of the Erba Cultivation ecosystem can also disrupt the operation of the Erba Cultivation platform or completely liquidate the company.

#### **Other unforeseen risks.**

Cryptographic ERB tokens are a new, technologically not proven technology. In addition to the risks associated with the factors listed above, there are some risks associated with the acquisition, ownership and use of ERB tokens. Such risks may represent various options or combinations of risks specified above.

Erba Cultivation may change, delete or add any information in this document or in documents reflecting the terms and conditions of its websites or applications, at any time at its discretion and without notifying the holders of ERB tokens. Any such changes

will take effect immediately after the publication of the revised versions of such documents. You are solely responsible for timely acquaintance with possible changes in them. Your continued use of the Site and/or Services after any such changes implies your acceptance of them. There is a risk of losing all invested funds. If you do not agree with any such changes, do not continue to use the Site and/or the Service.

All concepts and technical proposals outlined in this document are working hypotheses. This Whitepaper may be revised at the company's discretion at any time for the purposes of clarifying the vision and communicating it better to the potential investors. An updated version will be provided for downloading on pointpay.io website. It is a user's responsibility to verify that the most recent Whitepaper is referenced prior to the time of investment.

Buying ERB tokens indicates your agreement with Terms and Conditions and Privacy Policy found on ErbaCultivation.com website.

The Erba Cultivation shall not be held liable for the medical claims made by customer testimonials. The statements made regarding (CBD)(these) products have not been evaluated by the Food and Drug Administration. The efficacy of these products and the testimonials made have not been confirmed by FDA-approved research. These products are not intended to diagnose, treat, cure or prevent any disease. All information presented here is not meant as a substitute for or alternative to information from health care practitioners. Please consult your healthcare professional about potential interactions or other possible complications before using any product. The Federal Food, Drug, and Cosmetic Act requires this notice.

These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure or prevent any disease or ailment. Erba Cultivation assumes no responsibility for the improper use of these products. We recommend consulting with a qualified medical doctor or physician when preparing a treatment plan for any and all diseases or ailments. Erba Cultivation does not make any health claims about our products and recommend consulting with a qualified medical doctor or physician prior to consuming our products or preparing a treatment plan. It is especially important for those who are pregnant, nursing, chronically ill, elderly or under the age of 18 to discuss the use of these products with a physician prior to consuming. You must be 18 years or older to visit this website and/or purchase Erba Cultivation products. The information on our website is intended to provide general information regarding our products and is not to be construed as medical advice or instruction.

