

# Pure CBD Punch 22

By Colfores

Avalado por





# Raíces Hemp by Colfores

The first Colonia's company authorized to grow hemp

*Raíces Hemp was born in 2017 as a side-project from Colfores, taking on the challenge of being the first company in the Colonia department to grow and produce hemp according to the current regulations.*

With more than **30 years' experience** in the forestry sector, Colfores incorporates its knowledge on forestry plantations and silviculture to the production of top quality hemp, a sector with a bright future in Uruguay.

## **Our commitment**

Being dedicated to the production of agricultural seeds, Raíces Hemp bases its philosophy on two main pillars: **product quality and respect for the environment.**

Our crops are fertilised with 100% organic nutrients, and we stimulate the microbial life present in the growing medium to enhance nutrient uptake and naturally protect

our plants from potential pathogens. We only use organic and environmentally friendly phytosanitary products to prevent pests and diseases in our crops, so our plants are free from chemical pesticides.

## **Chemical pesticide-free plants**

Before being packed, our seeds are carefully disinfected to kill any potential pathogen. This ensures not only an excellent germination rate, but also a first stage in the life of plants free from problems like damping off. Each batch of seeds is disinfected and labeled, and it is only after passing our germination and cannabinoid testing that they are packed and stored under conditions of low temperature, low humidity and complete darkness.

As seed producers, the success of our clients is our main commitment, and our Breeding and R+D Department works hard to ensure it.



# Pure CBD Punch 22

High-quality results with the best performance

Raices Hemp proudly introduces a new and unique strain of European origin of non-psychoactive dioecious cannabis, produced and certified in Uruguay under the commercial name of Pure CBD Punch 22. Resulting from an intensive and highly demanding breeding project, the best traits of this plant have been stabilised and fixed in the form of feminised seeds. Moreover, this new genetics produces plants with some truly interesting advantages over traditional hemp strains currently available on the market.

*Pure CBD Punch 22 has been created in Europe, coming from a breeding program which included several strains and hybrids. After finding the plant with the desired traits, the selection and reproduction programs started in Uruguay, where the feminised seeds are produced.*

## Stability, the starting point

Without a doubt, achieving homogeneous and reliable results has been the main goal of our Breeding Department. After testing and studying different genetic combinations, we finally found a plant that delivers consistent results, with almost identical individuals in terms of growth pattern and vigour and, even more importantly, with regard to cannabinoid content and organoleptic properties.

The fruit of all this effort leads to homogeneous crops and consistent yields, with plants that exhibit high resistance to the most common pests in cannabis and suitable for all types of environment, whether it is grown indoors, outdoors or in greenhouses.

## Advantages of feminised seeds

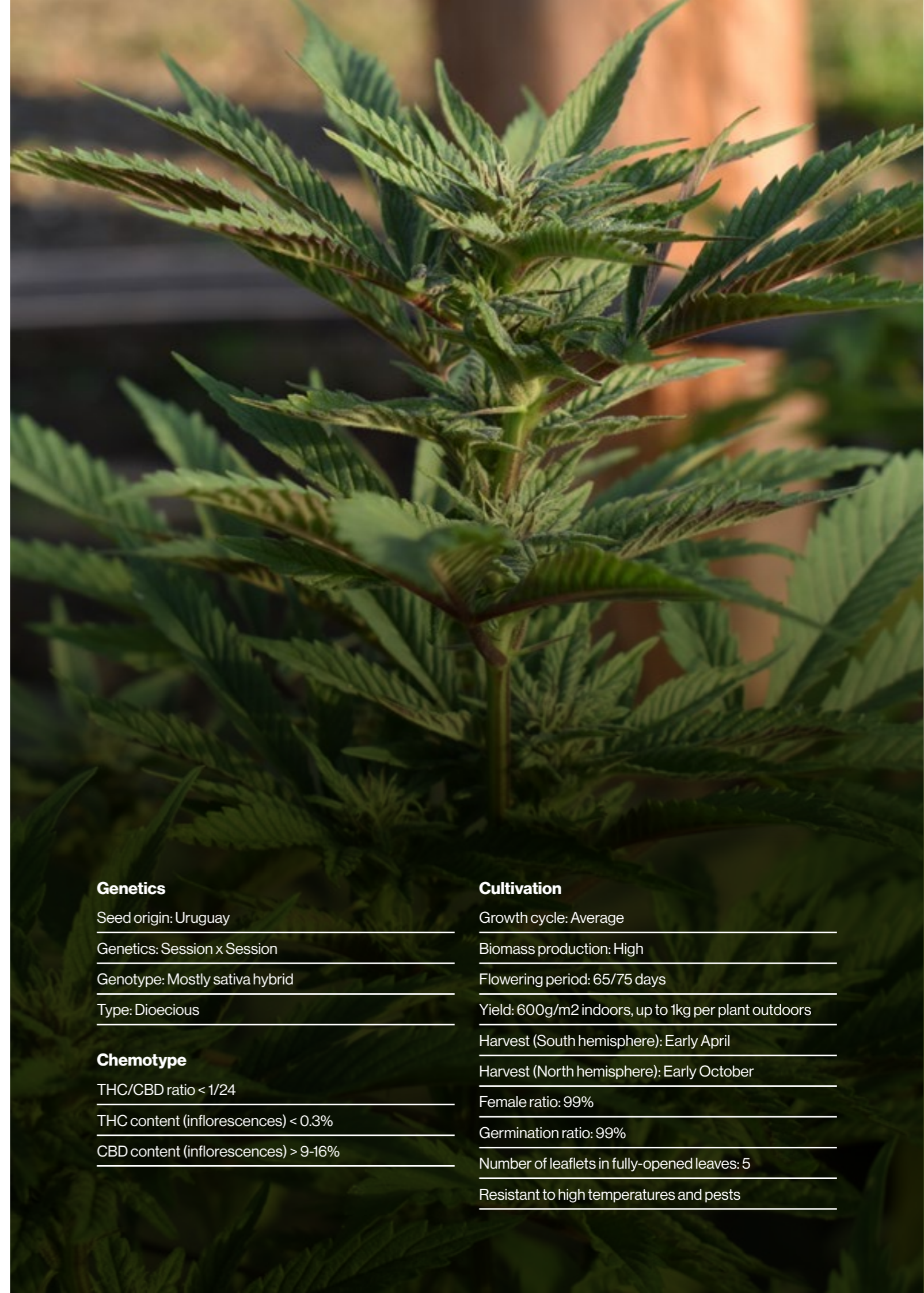
The advantages of using feminised seeds are widely known by thousands of growers and farmers all over the world. This process does not entail any type of genetic modification to plants or seeds; quite to the contrary, it is about forcing a female plant to produce male pollen so that the pollen recipient females only combine female chromosomes, which results in **99% female offspring**. Our seeds are 100% natural, without additives of any kind and produced within organic farming standards.

*The great stability of our variety offers results comparable to the use of clones*

Given both the high stability of Pure CBD Punch 22 and the certainty that all plants are females, the results with this strain are comparable to those obtained with clones. Once harvested, our seeds are kept under strict conditions of darkness, temperature and humidity to ensure the best germination rate, with the advantage in terms of vegetative vigour when compared to clones coming from asexual propagation.

*Less effort, less risk and, above all, better results*

It is also thanks to our highly demanding breeding program that the risk of finding monoecious individuals has been minimised to the maximum. Finally, the farmer can forget about checking and eliminating male plants and thus make the most out of his fields. Less effort, lesser risk and above all, better results.



## Genetics

Seed origin: Uruguay

Genetics: Session x Session

Genotype: Mostly sativa hybrid

Type: Dioecious

## Chemotype

THC/CBD ratio < 1/24

THC content (inflorescences) < 0.3%

CBD content (inflorescences) > 9-16%

## Cultivation

Growth cycle: Average

Biomass production: High

Flowering period: 65/75 days

Yield: 600g/m<sup>2</sup> indoors, up to 1kg per plant outdoors

Harvest (South hemisphere): Early April

Harvest (North hemisphere): Early October

Female ratio: 99%

Germination ratio: 99%

Number of leaflets in fully-opened leaves: 5

Resistant to high temperatures and pests



### Unique organoleptic properties

One of the most interesting features of Pure CBD Punch 22 is doubtless its flavour, which has nothing to do with conventional hemp varieties grown today. This plant doesn't come from genetics dedicated to the production of fibre or seed, but intentionally created as a medicinal cannabis plant, taking special care in meeting not only the patients' demands, but also their palate.

Both the dried inflorescences and the extracts produced from the plant material of Pure CBD Punch 22 release an **intense citrus aroma** that reminds of orange peels mixed with a ripe mango background, bittersweet and fresh, a true delight far superior to the scent and taste of traditional hemp varieties.

### Growing characteristics

Pure CBD Punch 22 is versatile, suitable for any growing environment and resistant to high temperatures. Its nutritional needs are average, while its growth pattern is fast and vigorous, reaching average heights and with plenty of lateral branches.

In crops under artificial light, it needs around 60 days of flowering, while outdoors it is harvested by early October (northern Hemisphere), April in the Southern Hemisphere. It is suitable for any type of pruning and/or training techniques such as SCROG, Low Stress Training or Main Lining, which are recommended given the high number of side branches.

### About cannabinoid content

Among many other compounds, cannabis produces cannabinoids and terpenes, which are stored inside the heads of stalked glandular trichomes as plants mature. The maximum cannabinoid content stored takes place at the end of the flowering period, which is the perfect moment for harvesting the plants while keeping as much cannabinoid content as possible.

*The end of flowering, maximum level of cannabinoid content*

While cannabinoid production is a trait related to genetics, in the sense that a plant can not produce more cannabinoids than those defined by genetics, there are several factors that can have an impact on the total amount of cannabinoids produced. Aspects such as the

amount and type of light, nutrition, climate, irrigation or drying method may have a major impact on the total content of each compound, decreasing it if correct conditions are not met.

In this way, cannabinoid contents shown on descriptions of cannabis varieties - normally expressed as a percentage of the sample - are often referred to the maximum amount of a certain compound that a plant can produce under perfect growing conditions, which may decrease if some of these factors are not properly met.

### High production of biomass and glandular trichomes

One of the major features in Pure CBD Punch 22 is its high production of compact flowers, with an amount of stalked glandular trichomes that will astonish even the most senior hemp farmer. Once again, the nature of this strain plays its role by transmitting a production of inflorescences and trichomes much higher than that of commercial hemp strains.

*Doubles the production of hemp biomass*

Pure CBD Punch 22 plants can yield twice the biomass produced by hemp. Add to that an even greater difference in terms of trichome production and your success is guaranteed. The final yield for the farmer or the extract manufacturer, who **might multiply their production of cannabinoids**, is, again, much higher with this cultivar.

We know our clients' needs and the importance of not only genetic stability and the production of cannabinoids per gram, but also the total amount of cannabinoids per square meter/foot. It is for them that we created Pure CBD Punch.



# Pure CBD Punch 22



## Alice Seeds

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