

# WEED WORLD™

ISSUE 125

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Part 3



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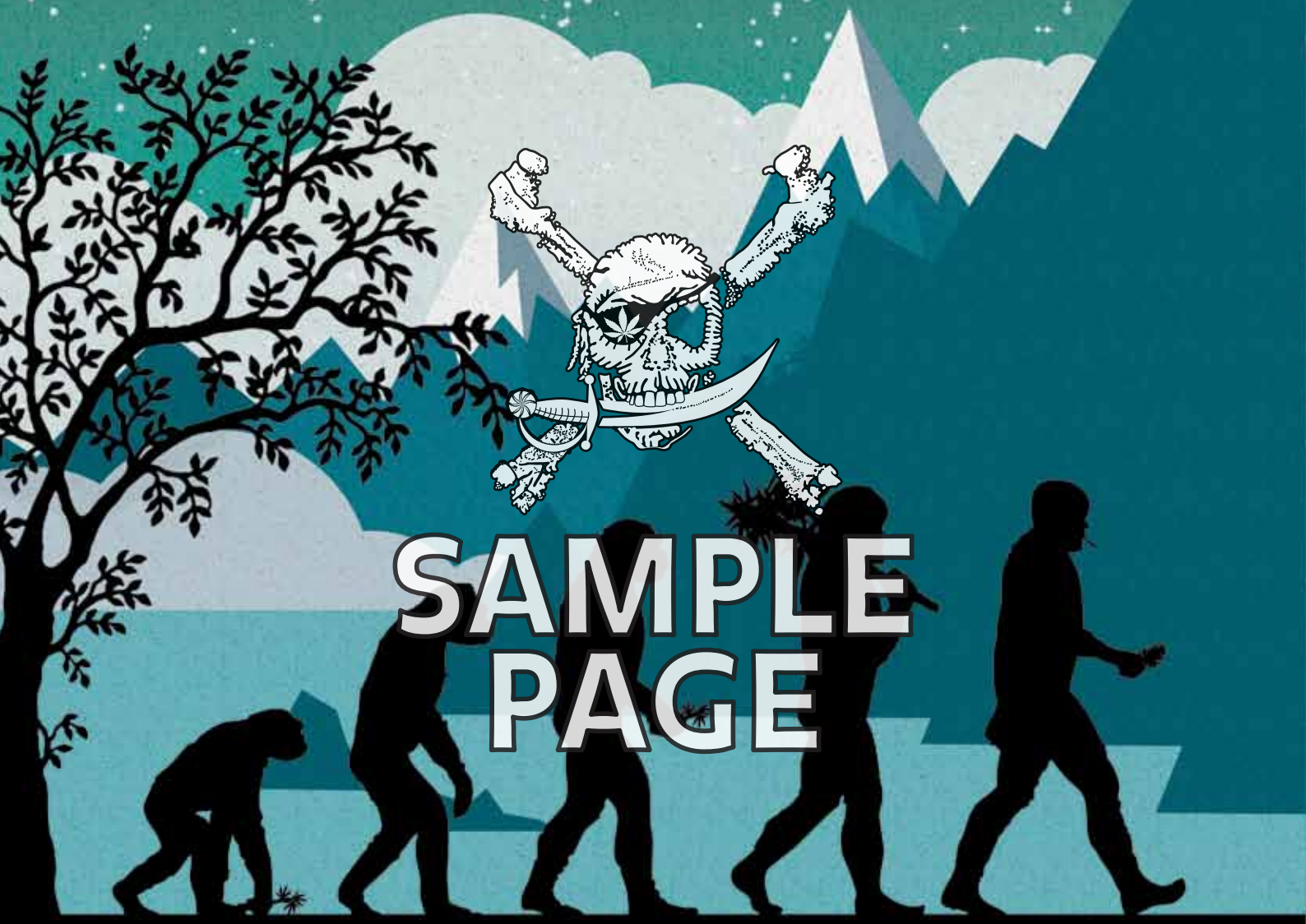
18

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# CANNABIS



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**PART 1 OF A 2-PART PRIMER...  
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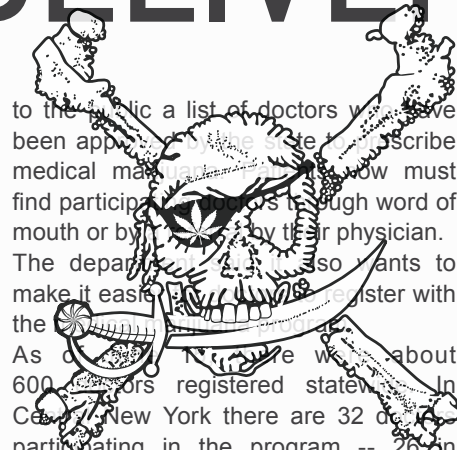
By Fred DeLisio

# HEADLINE

THE LATEST CANNABIS NEWS DIRECT TO YOU FROM EVERY CORNER OF EVERY STATE

BREAKING NEWS //

## MEDICAL MARIJUANA HOME DELIVERY



to the public a list of doctors who have been approved to prescribe medical marijuana. Patients now must find participating doctors through word of mouth or by asking their physician. The department also wants to make it easier for patients to register with the program.

As of this writing, there were about 600 doctors registered statewide. In California, there are 32 doctors participating in the program -- 26 in Orange County, five in Orange, one in Los Angeles and one in Costa Mesa, California. The report shows there are 17 participating doctors in New York with any participating doctors.

New York has one of the most restrictive medical marijuana programs in the nation. Medical marijuana is only available to patients with these conditions: HIV/AIDS, amyotrophic lateral sclerosis, Parkinson's disease, multiple sclerosis, spinal cord injury with spasticity, epilepsy, inflammatory bowel disease, neuropathy and Huntington's disease.

In addition to one of those conditions, patients also must have one or more of these complications: wasting syndrome, severe or chronic pain, severe nausea, seizures, or severe or persistent muscle spasms.

Source: [newyorkupstate.com](http://newyorkupstate.com)

New York is considering expanding its 9-month-old medical marijuana program by adding more growers and allowing home delivery.

The state Health Department has issued a report recommending ways the program can be improved. Some of those recommendations include:

Registering five additional growers over the next two years.

Making it easier for schools and health care facilities to administer medical marijuana.

Allowing medical marijuana producers to advertise.

Making more brands available.

Allowing nurses to prescribe medical marijuana.

The health department said in the report it's also considering making available

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Image: Darko Stojanovic

Hashishins worldwide can all agree unanimously that color and appearance are fundamental indicators of resin quality. Nonetheless, color and appearance of Cannabis resin are at the center of an intense controversy.

The polemic pertains to trichome maturity on the plant as much as it does to the quality of the final product, whether it is sieved resin or other extracted derivatives. Most Resin Collectors seek the clearer shades of resin; transparency is considered the ultimate quality certification in the eyes of many, and this belief has many repercussions in the final stages of Cannabis production.

The final quality of the resin residue is the optimization of terpene production and trichome development so that the whole plant life cycle has to be considered in order to collect the highest quantity of resin at the very peak of their maturity.

It is obvious that we need to create growing conditions that encourage the plant to produce as many trichomes as possible during its life cycle and for this reason, knowledge of the genetics we are working with and the region of origin is of prime importance. As noted in the article Method for the Analysis of Cannabinoids and Terpenes in Cannabis: "Agricultural crops inherently have a large amount of natural variation resulting from differences in environmental conditions, genetic background, developmental stage, farming practices, and seasonal changes, which result in differences in organoleptic profile, appearance, nutrient composition, shelf life, and crop yield. Cannabis is a highly variable plant, and cannabinoid content in finished flowers is extremely inhomogeneous"<sup>1</sup>

The majority of strains on the market today have profiles that are predominately "Indica" because most growers favor genetics with shorter flowering cycles for economic reasons (an additional crop will fit into an annual growing cycle using fast-growing strains). Since the not-too-distant ancestors of these strains came from arid mountainous regions, the original climatic conditions have to be taken in considerations. Robert C. Clarke's cannabis evolutionary hypothesis<sup>2</sup> identifies Central Asia as the birthplace of modern Cannabis' putative ancestor and the narrow leaf drug ancestor



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depression disorders. The fact that cannabis with a high content of CBD does not produce a high (i.e. the cerebral effect of cannabis) makes it an attractive treatment option for patients who only desire anti-inflammatory, analgesic, anxiolytic, antipsychotic, anti-spasmodic effects, without having to worry about sleepiness or dysphoria.

Scientific and medical studies highlight the potential of CBD as a treatment for a wide range of illnesses, including: arthritis, diabetes, alcoholism, MS, chronic pain, schizophrenia, post-traumatic stress disorder, infections resistant to antibiotics, epilepsy, endometriosis, and other neurological disorders. Moreover, CBD has been demonstrated to have neuroprotective and neurogenic effects, and its cancer-fighting properties are being researched in several academic research centers in the United States and other parts of the world.

Unfortunately, a large part of the evidence available has been obtained through studies on animals, as there have not been many studies on CBD in human patients. The majority of the material published at medical level consists of pre-clinical research that involves individual molecules of cannabinoids, test tubes, Petri dishes, experiments with animals, and in some cases, studies on the human cell line. Although all mammals have receptors on their cells that respond pharmacologically to cannabinoid compounds, the data from experiments with animals and other pre-clinical research, is not always applicable to humans.

### WHAT IS CBD OIL?

People usually use the term "cannabis oil" (or hemp oil) for extracts made in order to obtain the active ingredients of the plant without the rest of the plant material, which mostly contains substances harmful for our health. Some safer and more effective than others, there are several extraction techniques for obtaining the active ingredients of cannabis and then making them fit for consumption in different ways: ingestion, inhalation, smoking, etc. CBD can be found in several formats: in oil (liquid or wax) or in capsules, and in other products such as creams, tinctures, etc.

### DOSAGE OF CBD OIL

CBD oils are a very effective way of administering a daily dose of cannabidiol. These oils are refined with vegetable oils, such as extra virgin olive oil or hemp oil, and a base of pure CBD paste previously extracted from the plant.

Its use is comfortable and discreet. The bottle has a dropper to control the amount of CBD being consumed and to apply it directly under the tongue or to foods to enrich them. It is not easy to recommend a fixed dose, so consumers should test little by little, starting with a small drop of oil and waiting to see what impact it has. If the response is positive, the dose can be slowly increased to determine the exact dose that will provide the desired effect. Each drop contains approximately 1mg of CBD. As a dietary supplement, it can be used twice a day.

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