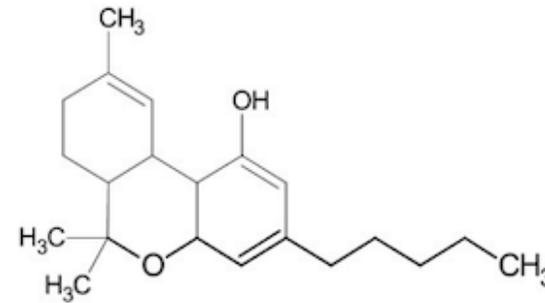


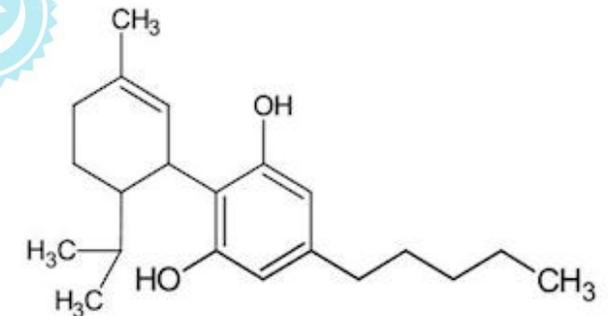
Cannabis Education



MAGIC MANN
PREMIUM CANNABIS PRODUCTS



Tetrahydrocannabinol (THC)

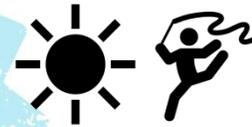


Cannabidiol (CBD)

Types of Cannabis

Indica  

Relaxing Body High/ Calming/ Sleep/ Relaxation



Sativa

Uplifting/ Heady High/ Cerebral/ Creative/ Stimulating

Hybrid  

A Mix of Both Indica or Sativa with combined effects



How Does Cannabis Effect Seniors?

Increasing numbers of seniors are Turning to Cannabis, Why?

- Cannabis is a safe alternative to prescription Drugs
- Cannabis is not addictive like opiates
- You cannot OD
- You will not die from Cannabis
- You can control your dose
- Do not be ashamed of Cannabis use.
- Some people are private about their use, some are very public both are ok and deserve respect.



Cannabis Terpene Profiles/Scents





Cannabis Warnings



- Using with Alcohol increases potential health risks
- As your Doctor about interactions with prescription Meds
- Consumption while pregnant or nursing does not have adequate studies.
- Cannabis research implies as of now, that it can create risk of psychosis, schizophrenia, and possible dependence

Cannabidiol (CBD) is a naturally occurring molecule

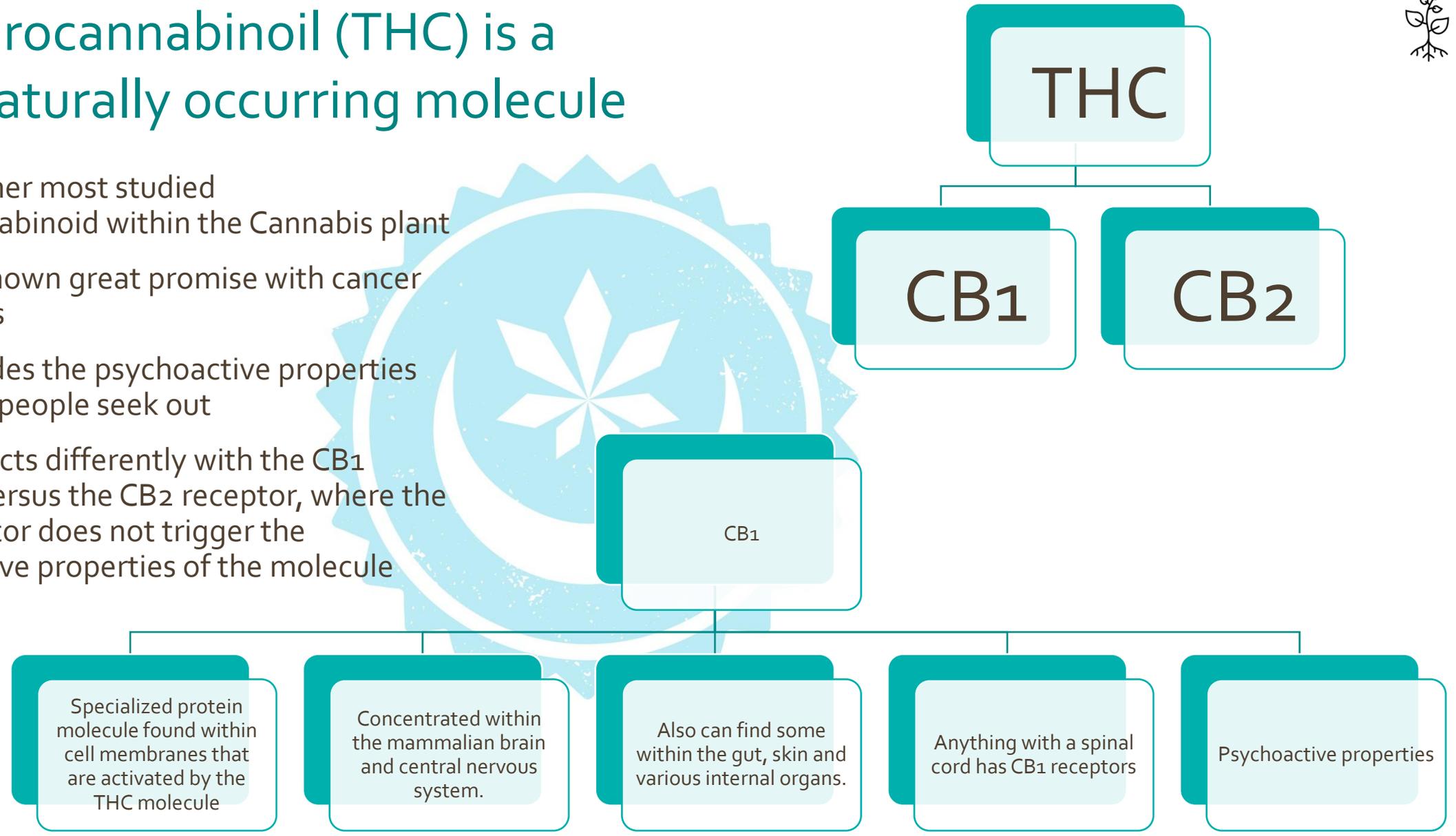
- It is multipurpose in its uses and has been proven to have neuroprotective effects and anti-cancer properties
- No psychoactive effects from CBD as compared to the THC phytocannabinoid. Both were discovered in 1964 by Israeli Scientists, Raphael Mechoulam and Yechiel Gaoni
- CBD is known to help enhance the cancer properties of the THC molecule making them even more potent against the virus
- CBD is known to show high potential for treatment of various illnesses and disorders (see diagram)



Tetrahydrocannabinol (THC) is a naturally occurring molecule



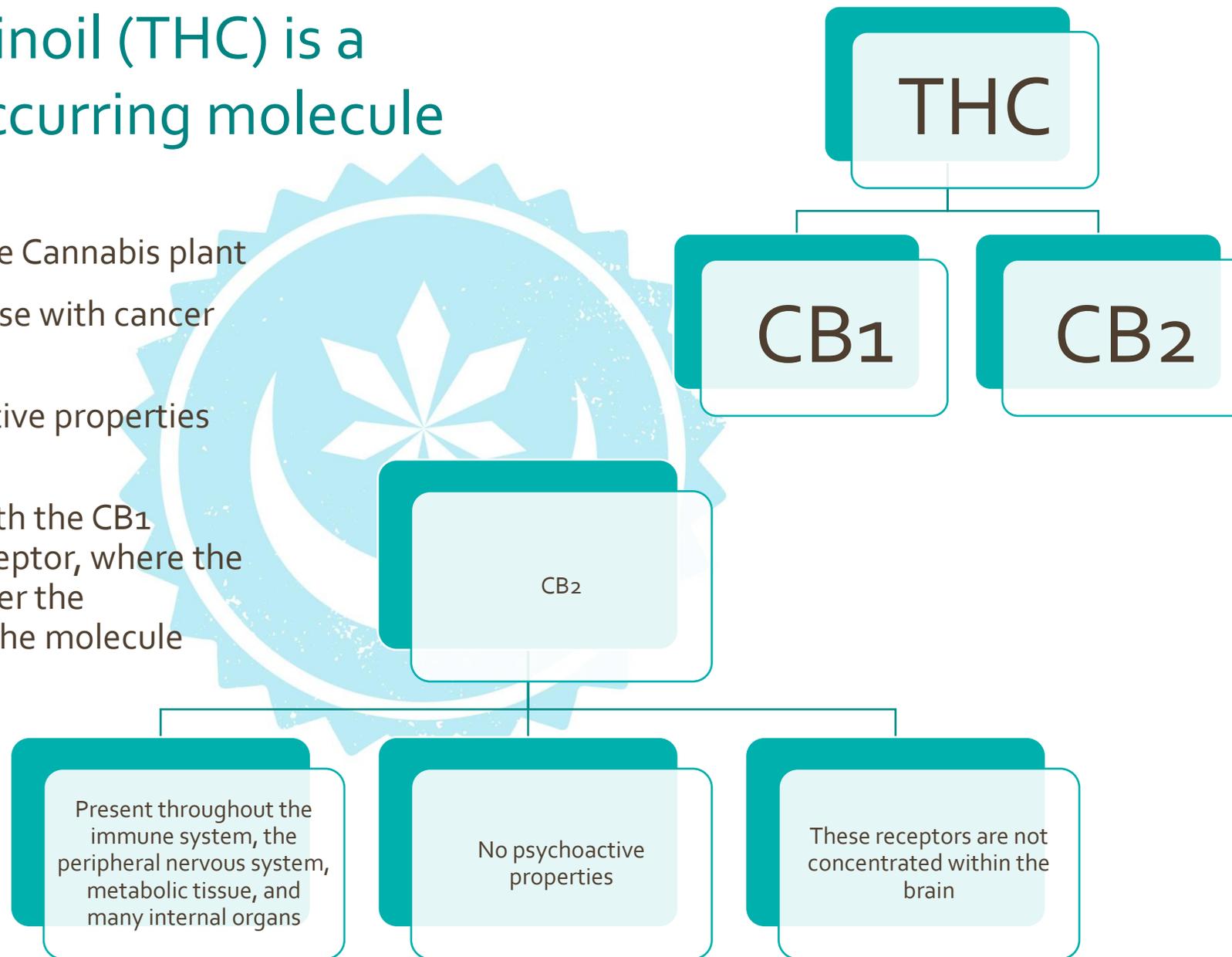
- It is the other most studied phytocannabinoid within the Cannabis plant
- THC has shown great promise with cancer treatments
- THC provides the psychoactive properties that some people seek out
- THC interacts differently with the CB1 receptor versus the CB2 receptor, where the CB2 receptor does not trigger the psychoactive properties of the molecule





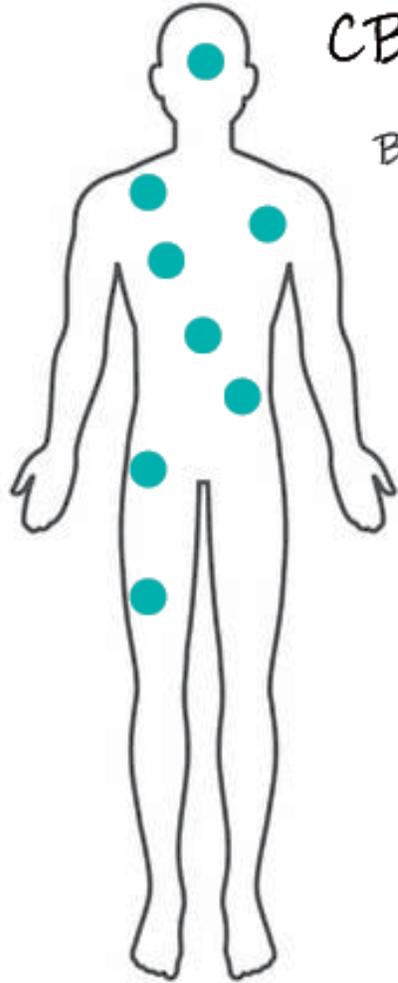
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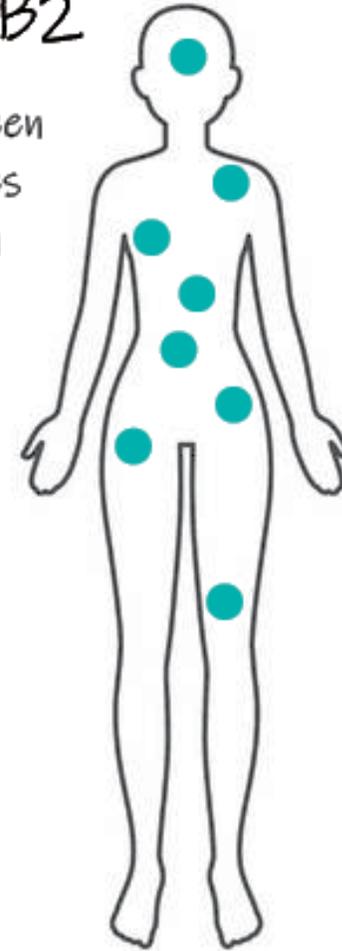
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BTV USA



CB1

- Brain
- Lungs
- Muscles
- Reproductive Organs
- Vascular System
- Gastrointestinal Tract

CB2



- Spleen
- Bones
- Skin

CB1 & CB2

- Liver
- Bone Marrow
- Immune System
- Pancreas



Is there THC in our products? Yes, here is how and why



We believe in the power of the whole plant and the encouraged effect created by the entire cannabinoid system working together.

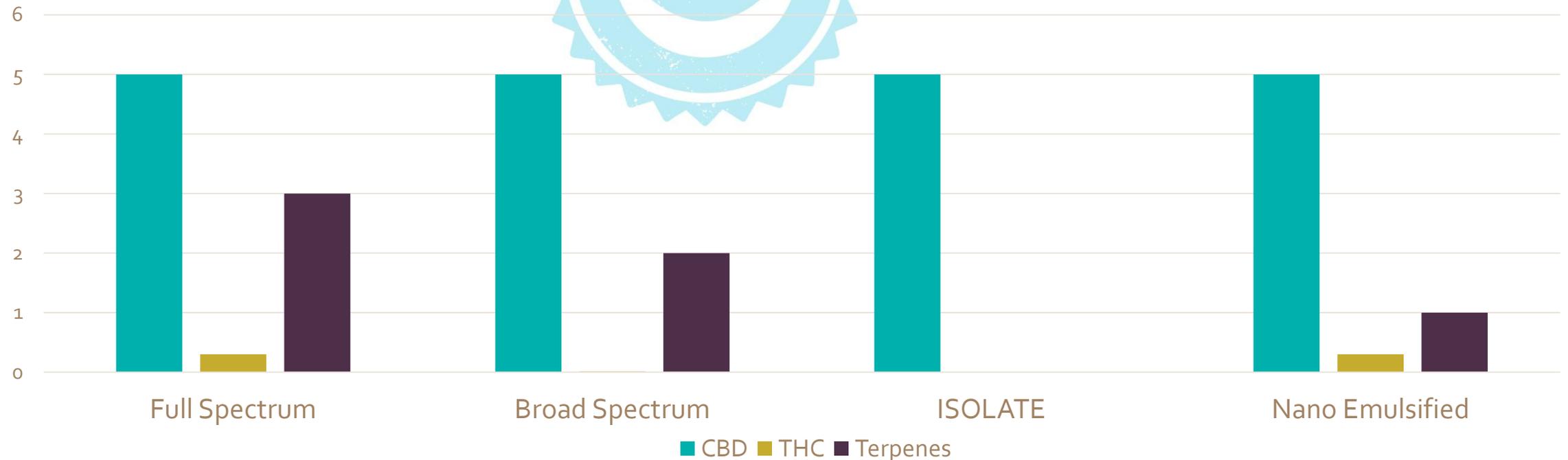


We use full spectrum CBD oil.

This means our CBD oil can contain up to .3 % THC Per Gram of CBD oil. This is in compliance with the Vermont Department Of Agriculture.



Broad Spectrum, Isolate, and Nano Emulsified are other styles of CBD oil, you can see the differences in the graph below



Dosage

- What is the right dose for me?

Recommended to start low, work your way up to find your comfortable dosage.

- Is Dosage the same for Edible's, Topical's, Tincture's?
The dosages are different dependent on the method being utilized

- How do I know the Milligram Dosage?

You can see the milligram dosage per item, or piece, on the labels of our products.

- Everybody's dose is different depending on your cannabis consumption levels

Topical	Dosage
New User	25-50mg
Recreational Consumer	50-100mg
High Tolerance/ Medical	100+mg

Tincture	Dosage
New User	5-25mg
Recreational Consumer	25-50mg
High Tolerance/ Medical	50-100mg

Edible	Dosage
New User	5-25mg
Recreational Consumer	25-50mg
High Tolerance/ Medical	50-100mg





- How do I dose out tincture?

Our original tincture a 30ml bottle
it contains 500 mg of CBD

20 drops = 1 ml

1 ml = 16.7 mg CBD

1 bottle = 30 doses

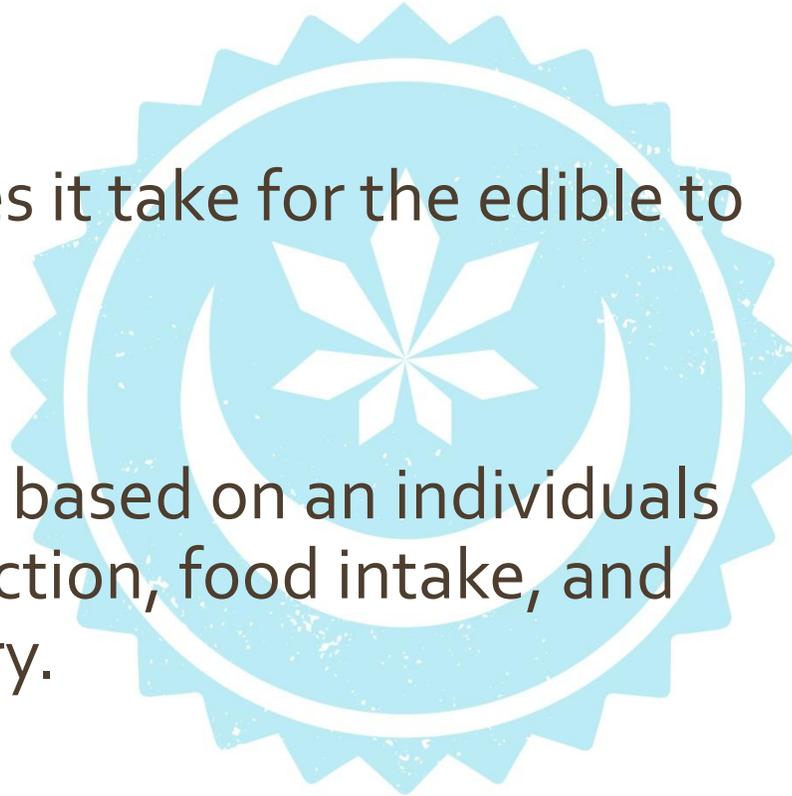


Onset



- How long does it take for the edible to take effect?

1-2 hours based on an individual's metabolic function, food intake, and body chemistry.



Edible	Dosage	Onset
New User	5-25mg	1-2hrs
Recreational Consumer	25-50mg	1-2hrs
High Tolerance/ Medical	50-100mg	1-2hrs

Tincture	Dosage	Onset
New User	5-25mg	15-30mins
Recreational Consumer	25-50mg	15-30mins
High Tolerance/ Medical	50- 100mg	15-30mins



Onset



- What if I don't feel the effects in 1 hour?
Wait at least 2 -3 hours before re-dosing

Flower	Dosage	Onset
New User	5-25mg	Immediate
Recreational Consumer	25-50mg	Immediate
High Tolerance/ Medical	50-100mg	Immediate

Topical	Dosage	Onset
New User	25-50mg	5-15mins
Recreational Consumer	50-100mg	5-15mins
High Tolerance/ Medical	100+mg	5-15mins



Duration

- How long will my edible last?

Duration of Edibles will vary person to person.

Edibles last a longer period , and take longer to work because Cannabis processes through the liver and digestive system .

Edible	Dosage	Onset	Duration
New User	5-25mg	1-2hrs	6-8hrs
Recreational Consumer	25-50mg	1-2hrs	6-8hrs
High Tolerance/ Medical	50-100mg	1-2hrs	6-8hrs

Tincture	Dosage	Onset	Duration
New User	5-25mg	15-30mins	4-6hrs
Recreational Consumer	25-50mg	15-30mins	4-6hrs
High Tolerance/ Medical	50-100mg	15-30mins	4-6hrs

- Is a Tincture a sublingual or an edible?

Tinctures can be used as an edible or a sublingual, it is dual purpose.

A tincture when placed under the tongue will give you a sublingual use for faster delivery and a shorter duration. If a tincture is ingested through drink or food it will have the effects and duration of an edible.



Duration

- Why smoke flower if smoking is bad?

The inhalation of smoke into your lungs is never the safest method and can lead to health complications. The potential medical benefit is immediate relief of symptoms, your ability to control your dosage and duration.

Flower	Dosage	Onset	Duration
New User	5-25mg	Immediate	2-3hrs
Recreational Consumer	25-50mg	Immediate	2-3hrs
High Tolerance/ Medical	50-100mg	Immediate	2-3hrs

Topical	Dosage	Onset	Duration
New User	25-50mg	5-15mins	1-2hrs
Recreational Consumer	50-100mg	5-15mins	1-2hrs
High Tolerance/ Medical	100+mg	5-15mins	1-2hrs

- How long will a topical last?

Based on an individuals body chemistry topical applications can last 1-2 hours and can be reapplied as needed without worry.



- **What if I take to much CBD?**

CBD can react with specific medications, always ask your doctor before using. Cannabis dosing is personal and you can use as much or as little as you are comfortable using.

- **What if I take to much THC?**

Use CBD as a tool if you feel that you are in to much of a state, adding CBD allows for you to feel less anxious and more focused within about 15 minutes

Citrus juice has a high acidity and can help THC return to its acidic form THCa which is non-psychoactive. Cite: THCa chart

Dancing helps too!!



Can I overdose on Cannabis?

- Nobody has ever died from using to much Cannabis.
- Cannabis will not impact your lifespan
- 2009 study in American Scientist on the relative toxicity of recreational drugs indicated that one would need to use more than 1000 times the effective dose of cannabis in order for it to be potential fatal not even a certain death

- Cite: https://www.promises.com/about-promises-austin-tx/addiction-treatment-resources/many-people-died-weed/?fbclid=IwAR1zI4Y4ea22_Mr9h3DC78KEZLXL2An7ITaVx7v3Kc23thDhO_sUZlIGmIY

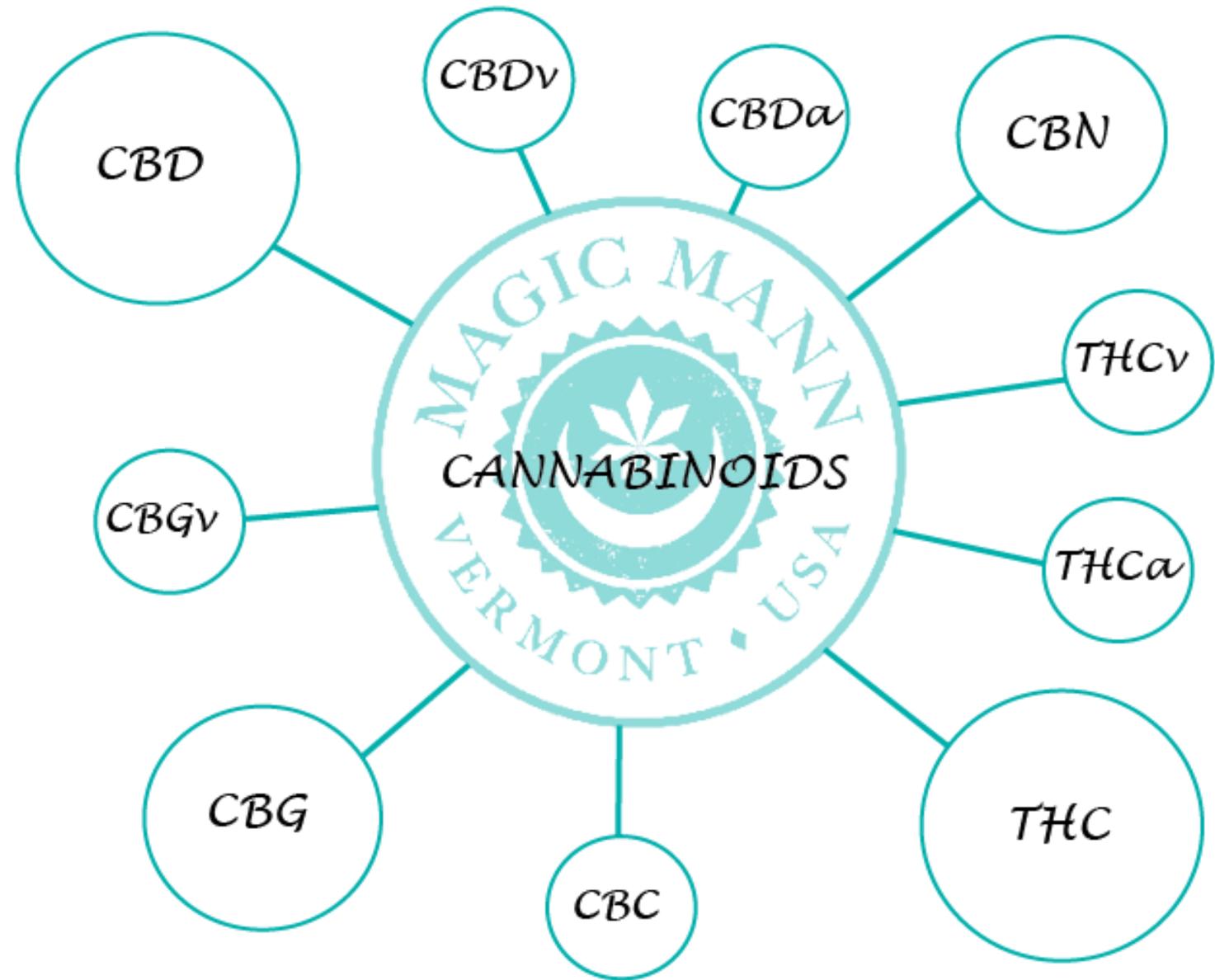


Cannabinoids

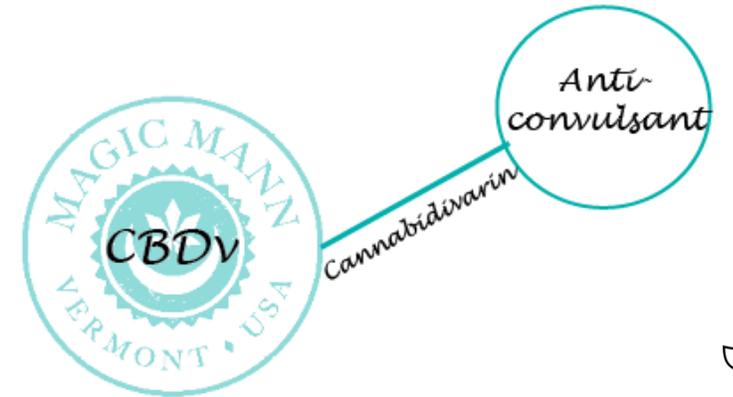
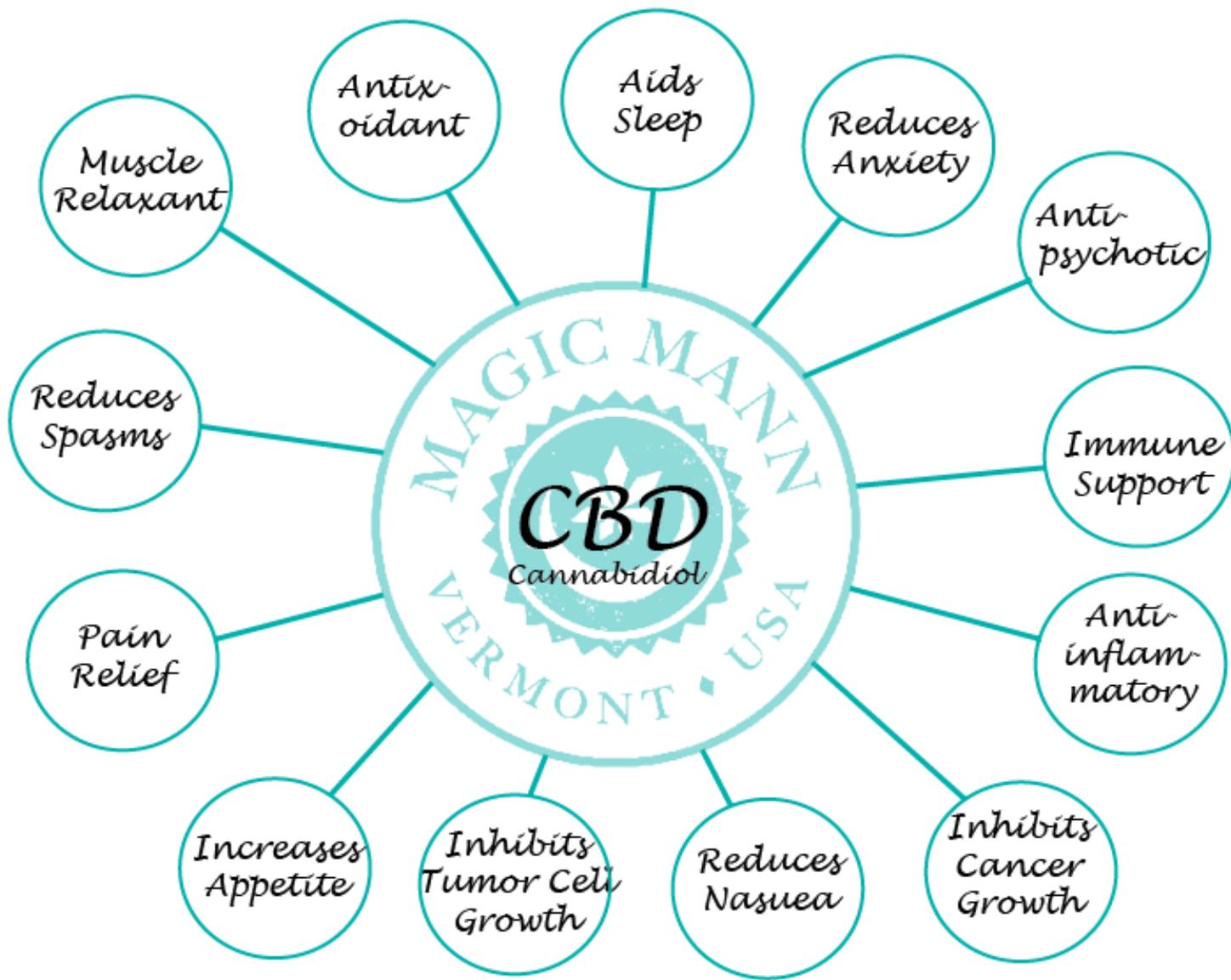
There are approximately 100 known and 100+ more still to be discovered

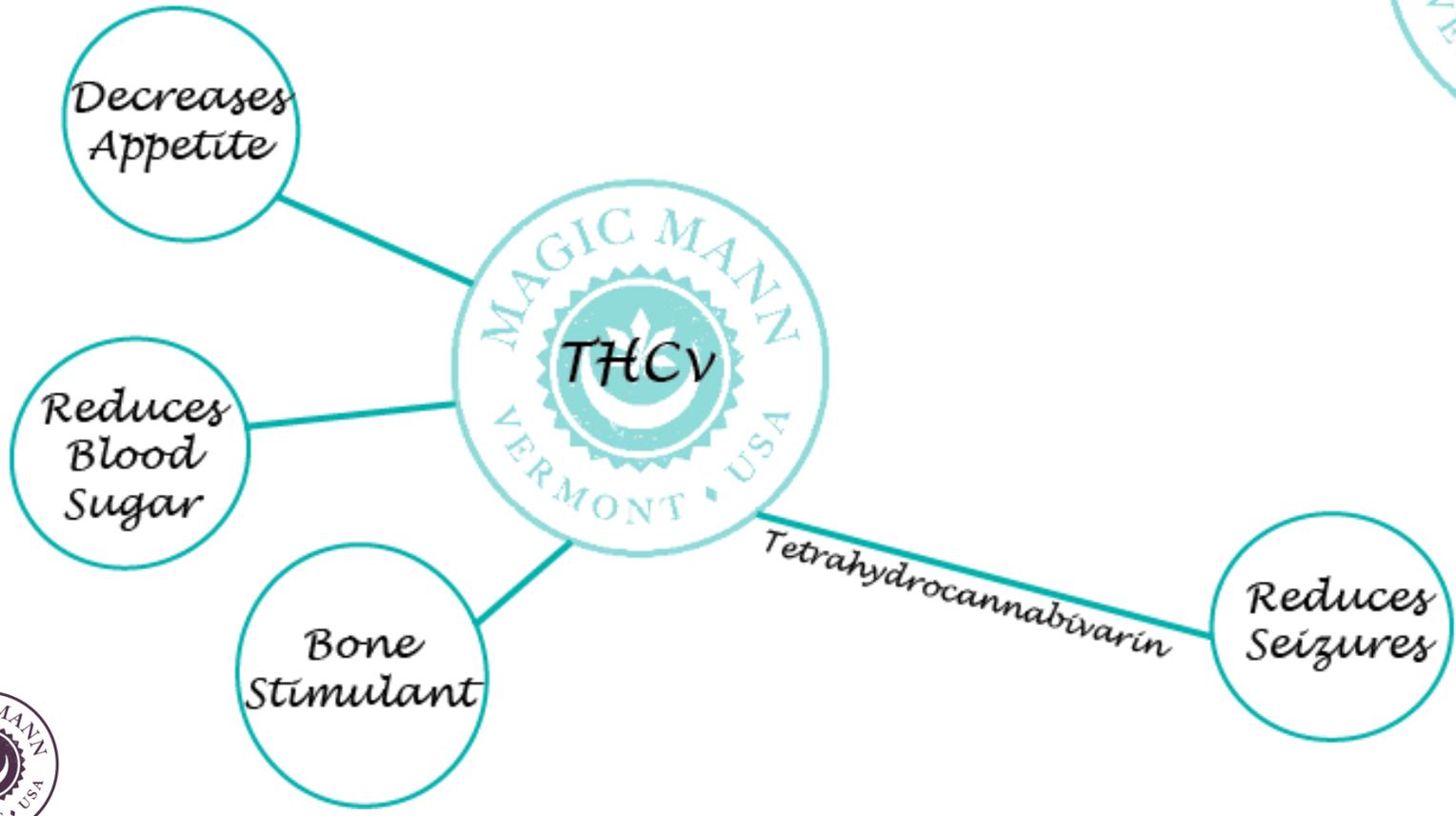
The 10 shown here are some of the most researched Cannabinoids by scientists .

Where can I learn more?
Keep your eyes on magicmann.com for events and our cannabis workshops that will be coming soon











THC is the other most studied cannabinoid besides CBD.

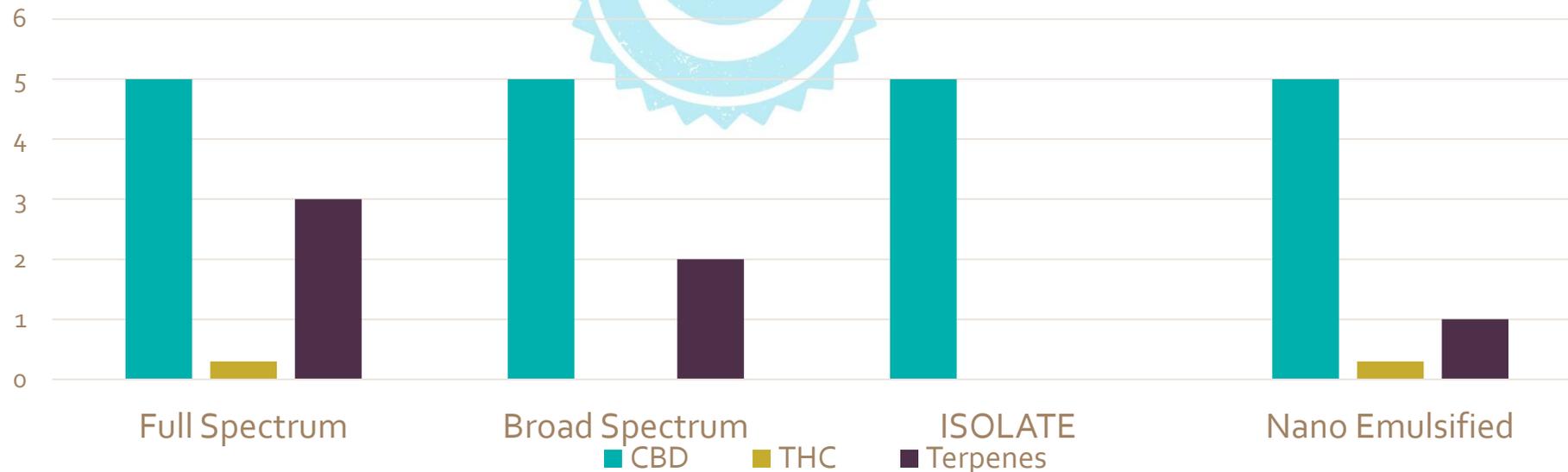




What is the Entourage Effect?



- This is the body's chemical reaction to the Terpenes and Cannabinoids and how they react with the endocannabinoid system.
- The Cannabinoids work with the cannabinoid receptors found within our endocannabinoid system. These are of a class of cell membrane receptors, in the G protein-coupled receptor super family.
- Because of the entourage effect, Full spectrum Cannabis products that contain all Cannabinoids and Terpenes are more effective.



Language

Terpenes are a large and diverse class of organic compounds, produced by a variety of plants, particularly conifers, and by some insects. They often have a strong odor and may protect the plants that produce them by deterring herbivores and by attracting predators and parasites of herbivores

Cultivar is a term used interchangeably with “strain,” “variety,” and “selection” within the cannabis industry. It has no official botanical meaning and has fallen out of favor in horticultural circles. In the world of cannabis, the term “strain” refers to the flower’s particular variety, be it Sour Diesel, Northern Lights, or Jack Herer.



Language

Sativa is a term to describe products with **uplifting, cerebral, and energetic effects**. Cannabis sativa [cultivars](#) feature long, thin fan leaves and tend to have long flowering times. The slender sativa leaf can have as many as 13 fingers. Sativas flourish in warmer climates and can naturally grow up to 12 feet tall in a season

Indica is a term to describe products with **sedating, relaxing, and heavy physical effects**. Indica cannabis plants are typically short in stature with broad leaves and shorter growing cycles. Indica [cultivars](#) are well-suited for growth in cooler climates due to their shorter flowering periods.

Hybrids are thought to fall somewhere in between the indica-sativa spectrum, depending on the traits they inherit from their parent strains.



Language

What is a High?

Any time you are altered from your natural state of being

What is Psychoactive?

Enhanced effects that may educe feelings of being altered from original state

Examples:

Prescription Drugs can potentially alter your perception, though they are needed for Medical Ailments.

Alcohol alters perception

**Both have Driving Warnings ,as does Cannabis,
DO NOT DRIVE while under the influence**



Terpenes

Antioxidant, Anti-fungal and antibacterial, sedative, anti cancer
Found in nutmeg, tea tree, conifers, apples, cumin, lilacs



terpinolene

Anti-anxiety, anti-cancer, anti-depression, weight loss, inflammation, pain, anti diabetic, nausea relief
Found in fruit rinds, rosemary, juniper, peppermint



limonene

Anti-inflammatory, pain
Found in black pepper, cloves, cinnamon,



caryophyllene

Anti-irritant, anti-inflammatory and anti-microbial properties
Found in chamomile



bisabolol

Anti-inflammatory, anti-cancer, sedative
Found in hops, coriander, cloves, basil



humulene

Anxiety, depression, insomnia, pain, inflammation, neuro-degeneration, promotes relaxation
Found in lavender



linalool

Anti-viral, anti-fungal, antiseptic, decongestant, antibiotic properties
Found in mint, parsley, mangoes, orchids, kumquats



ocimene

Anti-inflammatory, anti-anxiety, pain relief and asthma
Found in pine needles, rosemary, basil, parsley, dill



pinene

Relaxing and sedating effects, anti-inflammatory, pain reducer
Found in mango, lemongrass, thyme, hops



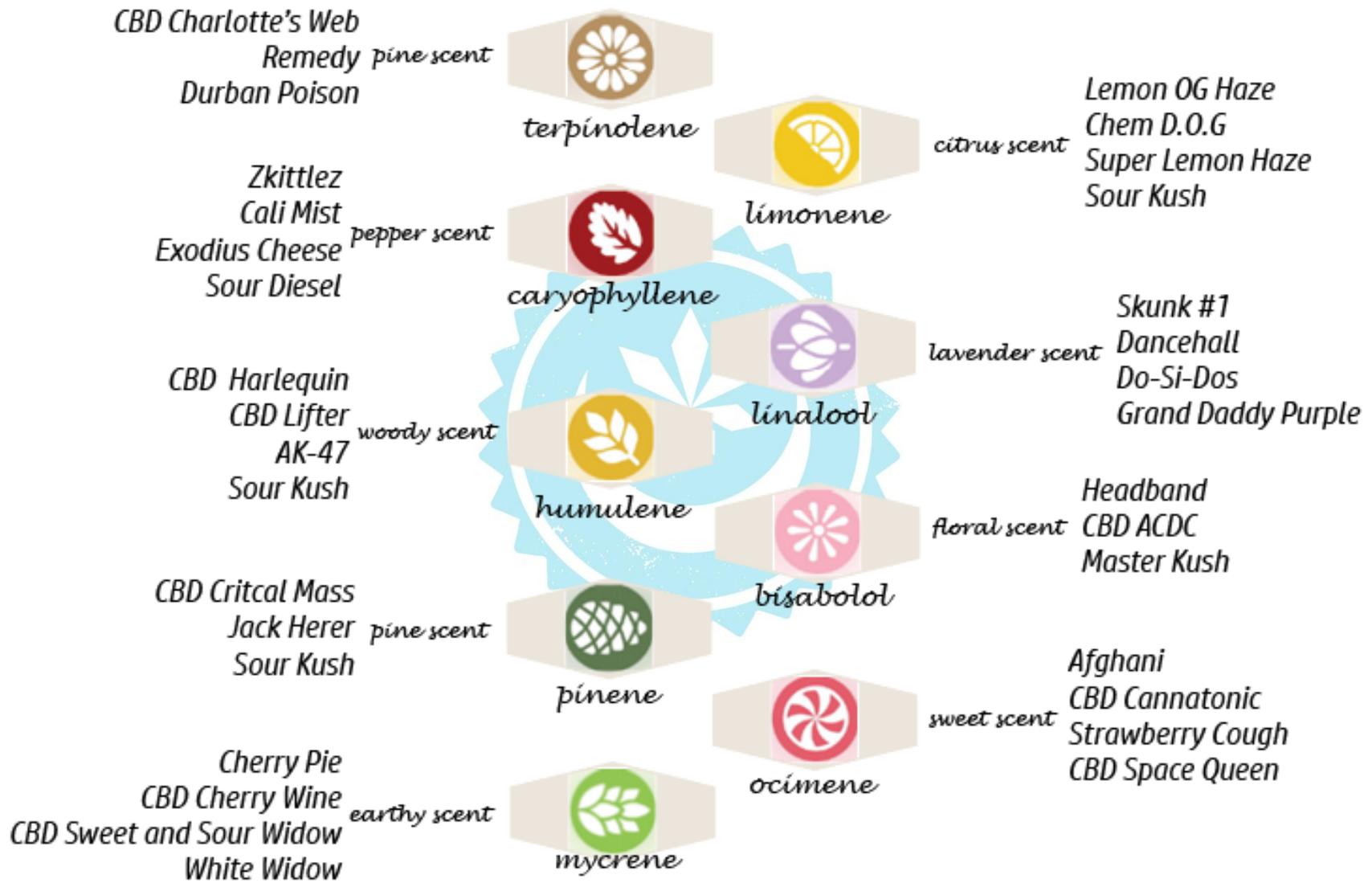
myrcene



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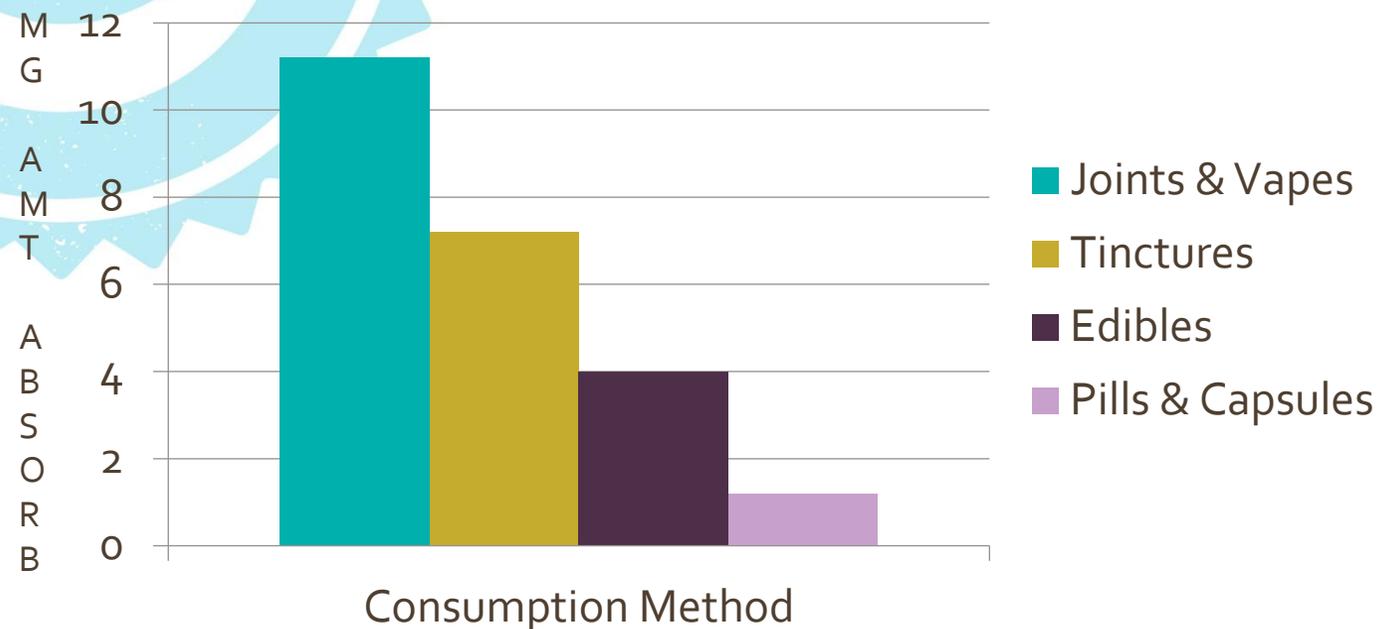
Cultivars and Terpene Profiles



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Bioavailability and your Metabolism

- This is how your body absorbs Cannabis
 - Tinctures through the mucus membrane inside your mouth when placed under the tongue
 - Edibles process through the liver, first passing through the stomach before reaching the liver, where enzymes turn the Δ -9 THC Cannabis molecule into a Δ -11-OH-THC
 - Regardless of the lower Δ -9 levels in edibles, it can create an intense psychoactive state that plateaus within several hours depending on the individual. Reference Magic Mann Dosing Charts
- Everyone's metabolism and biological make up very from person to person, therefore dosing will be unique to each individual
- These are estimates based on anecdotal studies
- Other plants and ingredients can enhance CBD's performance
Reference the Magic Mann Entourage Effect





Dose per piece

Amount of pieces in the bag

Recommended way to use

Recommended serving for an adult

See our quality ingredients



QR Code that links you to the COA sheets.

You will be able to look up your batch number and see what COA your product uses.

Batch Number

Understanding our Labels





Recommended use

QR Code that links you to the COA sheets.

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Understanding our Labels



See our quality ingredients

Recommended use

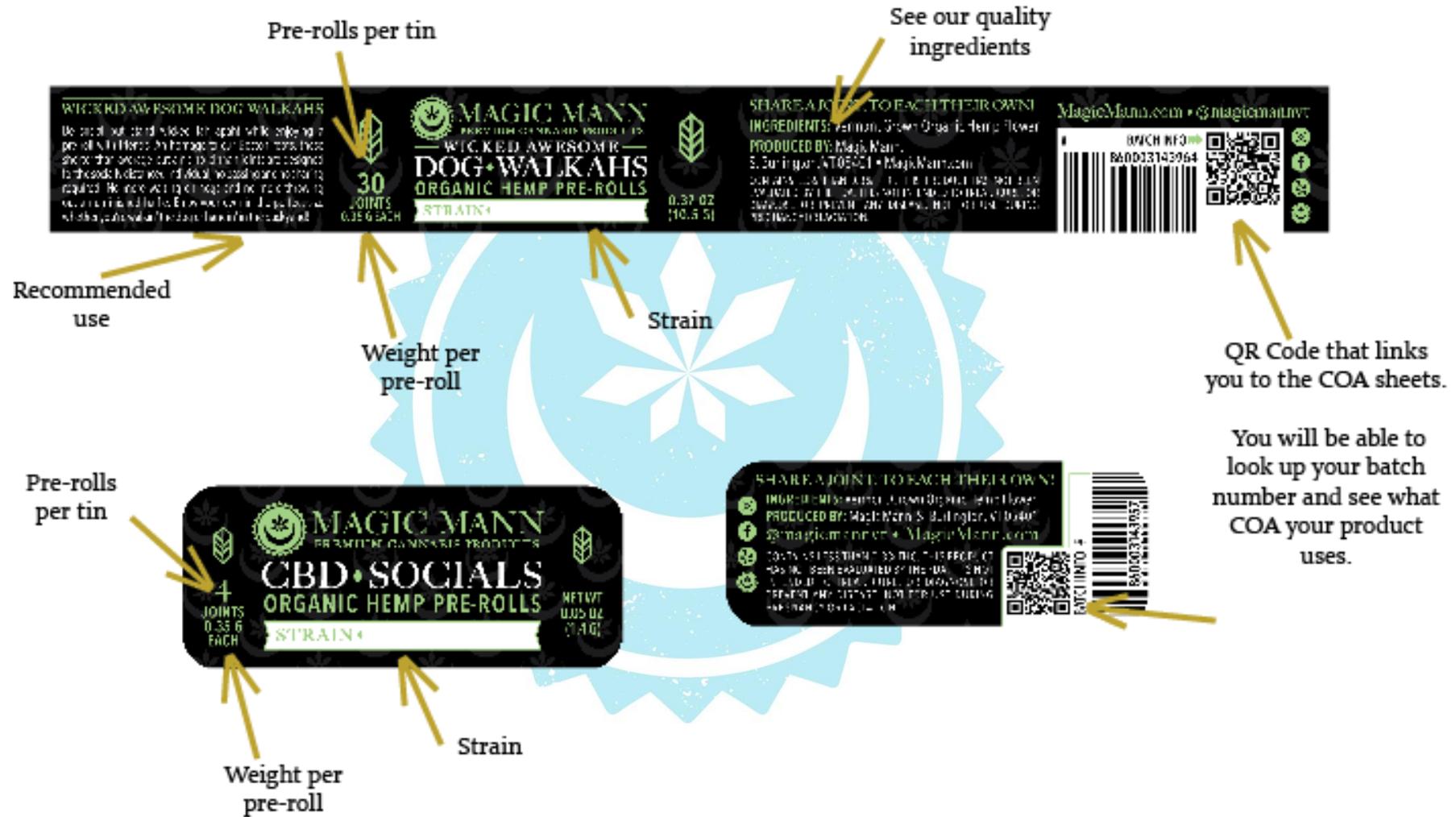


Dose per piece

Amount of pieces in the tin



Understanding our Labels





Cautions and Side Effects

MUST BE 21 to Consume Cannabis Products
Know your states laws! Be Safe! Be Responsible!
Control Your Cannabis

KNOW YOUR EDIBLE DOSE:

1st Time Users and Infrequent Users: 2.5mg-5mg
Occasional Users: 5-10mg
Frequent User: 10-20mg
Extremely high tolerance or Badass: 20-50mg
Medical Dose for Pain/Cancer: 50-100mg

Although studies are still ongoing to determine potential interactions between CBD and specific medications, there's one rule of thumb that can help consumers in the meantime:

Avoid CBD if your medications have a grapefruit warning on the label.

Ask your Doctor if you are unsure about what your medications contain

The same edible that motivates you in small dose can sedate you in higher dose.

Start Low and slow, you can always add more but can't take it away

Questions? Check out our website at www.magicmann.com for more educational information, products and future events



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Cannabis affects every patient differently WAIT 2 HOURS!!!

Before redosing to make sure the effects have had time to onset*

Use caution, start with small doses, go slow, and take the time necessary to develop an optimal therapy approach that fits your specific needs and symptoms. Everyone's body chemistry is different and has varying tolerance levels. Start small in a comfortable safe environment. You can always add but can't take it away.

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We'll say it again,

ONSET TIMES VARY PER PERSON, NEVER TAKE MORE ,WAIT 2 HOURS before taking more!

Have Non-Medicated treats to munch on so you do not eat too many!!

The same edible that motivates you in small dose can sedate you in higher dose.

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Why use Cannabis?

If you are in a state that allows for recreational Cannabis , and/or Medicinal Cannabis , know your states laws, check your COA's and never be ashamed of your personal use. How you use Cannabis is a personal preference, it's okay to be discreet and it is okay to be vocal and help normalize and educate the global community.

Is Cannabis safe for seniors?

YES! Cite: <https://www.aarp.org/health/conditions-treatments/info-2018/cbd-oil-marijuana-health-benefits.html><https://www.projectcbd.org/medicine/complete-guide-medical-marijuana-seniors>

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Cannabis is a safe alternative to prescription Drugs

Cannabis is not addictive like opiates

You cannot OD

You will not die from Cannabis

You can control your dose

Some people are private about their use, some are very public both are ok and deserve respect.

Do not be ashamed of Cannabis use.



Can I use the word Marijuana?

NO! Cite: <https://jackherer.com/emperor-3/chapter-13/>

Is Cannabis Safe for pregnancy?

There is not enough adequate research or studies to provide conclusive answers

Cite: <https://www.projectcbd.org/tags/pregnancy>

Cite : <https://www.forbes.com/sites/janetwburns/2020/05/27/cannabis-use-pregnancy-doesnt-impair-cognitive-development-study-review/#4b0038496a64>

Is Cannabis Safe for children?

Cite: <https://www.aappublications.org/news/2017/10/24/MedicalCannabinoids102417>

What are the Cannabis laws where I live?

Cite: <https://weedmaps.com/learn/laws-and-regulations/>

What is your most trusted Cannabis Resource?

Cite: <https://www.projectcbd.org/> Cite: <https://www.healer.com>



Glossary



- Dried Flower** – Cannabis buds to smoke or process
- Ground Flower** – Ground Cannabis dried flower to process or smoke
- Rosin** – Cannabis Bud that is pressed with large pressure to release pure Cannabis Oil
- Dab** – Smoke-able Cannabis Oil processed through more pressing and other extraction methods
- Pre-roll** – Ground Cannabis that is rolled into a joint for use later
- Oil** – Cannabis Oil in a dropper bottle
- Tincture** – Cannabis Oil combined with either alcohol or glycerin in a dropper bottle
- Topical** – Cannabis in the form of a salve or cream
- Spray** – Cannabis application through topical or oral
- Pill** – Cannabis in a capsule, to be swallowed and digested
- Edible** – Cannabis in a chewable form to be digested
- Suppository** – Most Bioavailable way to absorb Cannabis either Male or Female
- Transdermal** – Cannabis in a patch form that is time released on the skin like a band aid

