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CBD for ANIMALS and MARKET

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1. CBD for Animals

- Cannabidiol for Pets, Important Facts and Potential Benefits: cannabinoid receptors exist
 within mammals, birds, reptiles, and fish. Research in canines has shown that they can
 metabolize cannabinoids, with tinctures demonstrating the best results for safety. The results
 from this original study were positive enough that there are now two clinical studies
 underway. These studies, conducted in Colorado, are exploring CBD for canine osteoarthritis
 and epilepsy.
- The understanding is that the pet owners use CBD for their own health and symptom management. These symptoms include pain, inflammation, seizures, cancer and its associated issues, phobias, digestive issues, and anxiety.
- Once a baseline is established for using CBD for cats or dogs, any increases or reductions can be determined based on the pet's reaction. In the end, caring pet owners know their pets the best and know when other treatments are not providing the necessary quality of life to an animal. (ref)

2. Pets / Small Animals Benefits

- The Benefits of CBD Oil for Pets And Other Animals; CBD, also known as Cannabidiol. CBD has been used for animal pain relief by many owners, and the results have been quite positive.
- Dogs with joint pain often try to spend as much time as possible lying down. Pet-appropriate CBD oil treatment can do an amazing job of reducing the number of pain dogs experience and improving their mobility.
- CBD oil for use with dogs can be added to your pet's ordinary food; there are also ready-to-eat biscuits that are sold with CBD oil baked right in. Dogs are easy patients, and most of them find CBD oil to be palatable and tasty.
- The use of CBD as a treatment for dog anxiety has produced some amazing results. (ref)

3. Horses / Large Animals Benefits

- Full-Spectrum CBD Oil for Horses Can Help your Animal Lead a Healthier Life
- CBD does not have any psychoactive effects, instead, it offers a wide range of therapeutic effects, some of which may prove helpful in keeping your horse healthy.
- Various benefits of using CBD for horses: Since all mammals have an endocannabinoid system, both veterinarians and animal lovers alike have become very interested on how they can leverage the same health benefits for their four-legged companions.
- CBD can be used to manage pain, CBD helps in reducing inflammation, CBD can reduce anxiety and stress, Many horses experience digestive health issues such as lack of appetite, indigestion, bloating, nausea, heartburn end even ulcers. There are various ways in which you can give your horses CBD oil, depending on what you intend to treat. First, CBD can be administered orally using droppers or syringes directly on the animal's tongue. This is most effective when seeking to fight common maladies such as inflammation, joint pain, or even mood disorders such as anxiety. (ref)

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4. Market Size

- The Cannabis Market That Could Grow 700% By 2020: The Hemp Business Journal estimated that the CBD market will grow to a \$2.1 billion market in consumer sales by 2020 with \$450 million of those sales coming from hemp-based sources. That's a 700% increase from 2016. In 2015, the market for consumer sales of hemp-derived CBD products was \$90 million, plus another \$112 million in marijuana-derived CBD products which were sold through dispensaries – bringing a total CBD market to \$202 million last year.

- Matt Karnes of Greenwave Advisors is even more optimistic about the growth of the CBD market saying, "In terms of the CBD market size, I estimate an almost \$3 billion market by 2021. Right now there are 15 states that allow CBD only -- this is in addition to the 28 states plus DC that have legalized medical marijuana." (ref)
- Pet market projected to be among fastest growing CBD sectors: According to the American Pet Products Association, U.S. pet owners are estimated to have spent over \$70 billion in 2018 on pet supplies, treatments and veterinary care. As CBD pet products become more readily available and accepted, well positioned suppliers and distributors will be able to exploit the tremendous opportunities for growth in the CBD pet sales.
- The report focused solely on the CBD pet market says: "Pet-and-animal product sales are estimated to reach USD 125 million by 2022, representing a 5-year CAGR of 57%, among the fastest-growing sectors in the CBD market,"
- Taking Care of Our Pets: More CBD Pet Products Coming to Market Drive Quality and Innovation (<u>ref</u>)

5. LINKS

- https://www.solcbd.com/blogs/news/could-cbd-be-a-potential-treatment-for-pets/
- https://hempgenix.us/the-benefits-of-cbd-oil-for-pets-and-other-animals/
- https://greenflowerbotanicals.com/how-full-extract-cbd-oil-can-help-your-horse-lead-a-healt hier-life/
- https://www.forbes.com/sites/debraborchardt/2016/12/12/the-cannabis-market-that-could-grow-700-by-2020/
- https://www.petfoodindustry.com/articles/8024-pet-market-projected-to-be-among-fastest-growing-cbd-sectors
- https://www.marketwatch.com/press-release/taking-care-of-our-pets-more-cbd-pet-product s-coming-to-market-drive-quality-and-innovation-2019-04-29-9197434

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