



PAUL COHEN'S MARIJUANA HUB

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Hemp Cannabis Plant

- Hemp is different from marijuana. Both come from the same plant, *Cannabis sativa*, but from different varieties or cultivars.
- Hemp is genetically different and is distinguished by its use and chemical makeup. Hemp, also called 'industrial hemp', refers to cannabis varieties that are primarily grown as an agricultural crop (such as seeds and fiber, and byproducts such as oil, seed cake, hurds). Hemp is very low in THC. Growing hemp is legal in the USA.
- THC levels for hemp are generally less than 1%. Marijuana refers to the flowering tops and leaves of psychoactive THC cannabis varieties.
- Marijuana's high THC content is primarily in the flowering tops and to a lesser extent in the leaves. THC levels for marijuana are much higher than for hemp, and are reported to average about 10%; some sample tests indicate THC levels reaching 20%-30%, or greater.
- Hemp seed and oilcake are used in a range of foods and beverages, and can be an alternative food protein source.
- Hemp fibers are used in a wide range of products, including fabrics and textiles, yarns and spun fibers, paper, carpeting, home furnishings, construction and insulation materials, auto parts, composites etc.
- To maximize production of hemp fiber and/or seed, plants are encouraged to grow taller in height, usually between 6 and 15 feet..
- Cultivated plants generally consist of a single main stalk with few leaves and branches.
- Hemp plants are planted densely (about 35-50 plants per square foot) to discourage branching and flowering.
- The period of seeding to harvest ranges from 70 to 140 days, depending on the purpose, cultivar or variety, and climatic conditions.
- The stalk and seed is the harvested product. The stalk of the plant provides two types of fibers: the outer portion of the stem contains the bast fibers, and the interior or core fiber (or hurds).
- Industrial hemp production statistics for Canada indicate that one acre of hemp yields an average of about 700 pounds of grain, which can be pressed into about 50 gallons of oil and 530 pounds of meal. That same acre will also produce an average of 5,300 pounds of straw, which can be transformed into about 1,300 pounds of fiber.