

Industrial Hemp grows 10-15 ft for fiber and dwarf varies for seed.

Image 1942 USDA Hemp for Victory



About Industrial Hemp

Commodities:

Seed

- 35% protein food
- Nearly perfect 3:1 ratio of omega 6 to omega 3 fatty acids

Oil

- Food
- Fuel
- Plastics
- Cosmetics

Seed Meal and Cake

- Livestock, bird and fish feeds

Stalk Fiber

- Textiles
- Graphene like nanotech:
 - Transparent
 - 200x stronger and 6x lighter than steel
 - More conductive than copper

Stalk Hurds

- Hemp chips
- Building materials:
 - Hemp boards
 - Insulation
 - Hempcrete

25,000+ Products Produced

Benefits:

- Fertilize similar to spring wheat or canola
- Minimal to no pesticide or herbicides needed
- Planted and harvested

Industrial hemp belongs to the plant species *Cannabis sativa L* which includes the varieties of marijuana and hemp. Hemp does not possess the hallucinogenic effects from high levels of THC found in marijuana varieties. Hemp pilot programs are permitted by **American Agricultural Act of 2014 (aka FARM BILL) SEC 7606** which defines industrial hemp being derived from plants with concentration of 0.3% or less THC establish regulations to grow hemp for research or as an agricultural pilot program. Recreational marijuana THC concentrations range from 9% to 30% up to 99%.

RESOLUTIONS, LETTERS OF INTEREST FOR RESEARCH AND PURCHASES:

- Resolutions encouraging the cultivation of industrial hemp can be found on the Republican and Democrat platforms. Texas Farm Bureau added policy for support.
- Letters of intent to conduct research have been received from Texas Tech University, Plant and Soil Department for fiber and water conservation, the University of North Texas Mechanical and Energy Engineering Department for the building and automotive industry, and the University of Houston for many uses through their Innovation Center.
- Letters of intent to purchase from Patagonia, for fiber, Whole Foods for Texas grown hemp, Fresh Hemp Foods, the largest producer of Canadian hemp has producer contracts waiting to purchase, “*all the organic grown hemp Texas can produce.*” One acre of hemp can produce 800-1200 lbs of seed which retails for \$9.00-18.99 per lb.

FACTS ABOUT INDUSTRIAL HEMP

- Hemp can be imported into Texas and be manufactured into retail goods that are sold in the US, but Texas growers are prohibited from its cultivation.

- Industrial hemp can be grown in 31 states and in over 30 industrialized countries.

Industrial hemp can grow in cotton, corn, or wheat regions with conventional equipment.

- Requires about one-third the amount of water needed for cotton with little herbicides and little to no pesticides while producing 250% more hurd and bast fibers than cotton on the same amount of land. Hemp requires six times less water than sugar cane.

- Hemp seeds can yield 50 gallons of oil per acre with wholesale price of \$50/gal.

- Legal hemp Cannabidiol (CBD) is anti-inflammatory, anti-seizure retails for \$95/oz.

- One acre of hemp produces as much wood matter as four acres of timber in 60-90 days

- Hemp enables Texas farmers to produce a commodity to service the food, feed, fiber, paper, insulation, building materials, plastics, and fuel industries plus 25,000+ uses.

Hemp is not new to Texas. In 1930's newspaper archives, hemp can be shown growing in the Rio Grande Valley, Gulf Coast, and Northern Plains regions of the state. In 1938, Popular Mechanics, speaks of, “*Harvesting Luxurious Fields of Hemp in Texas*” and touts hemp as the, “*New Billion-Dollar Crop.*”

Below is a 2016 hemp field in Cynthiana, KY – Notice people in the field.

