

HEMP FARMING 101

After the 2018 Farm Bill allowed for the broad cultivation of hemp, farmers across the U.S. decided to give this lucrative product a try.

The hemp industry was worth an estimated

\$4.7

BILLION

in 2019



And is projected to grow to

\$15.26

BILLION

by 2027

Here are some basics you need to know for field production of hemp for



CBD Extracts



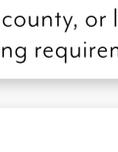
Flower



CBG Extracts

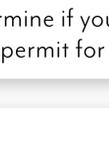
LEGAL CONSIDERATIONS

Ask your local officials if there are



any county, or local zoning requirement.

Check with your state's Department of Agriculture



to determine if you need a license or permit for your farm.

THC < 0.3%

Ensure that you can perform all testing to make sure the THC levels of your crop never exceed 0.3%.

PICK YOUR SEEDS

A successful hemp crop starts with high-quality seeds.



Pick the best strain for your goals.

To stagger harvest, plant a mix of early-finisher and full-term hemp strains.

Invest in seeds with a proven high germination rate and a high feminization rate.

UNDERSTAND YOUR ENVIRONMENT

Hemp plants are robust and grow well in most environments.

They tend to do best in warm-weather environments with well-drained and nutrient-rich soil.

Test your soil and water for heavy metals and pesticides.

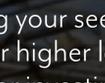


PREPARE YOUR FIELD

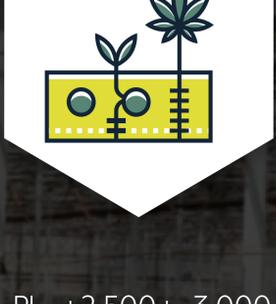
Choose a field with deep, loose soil with lots of organic material or fertile loams with a pH between 6 and 7.5.



Soil should be worked fine with chunks no larger than 1-2" in diameter.



PLANT YOUR HEMP



Consider starting your seeds in a greenhouse for higher levels of germination or investing in starts if you don't have greenhouse infrastructure.

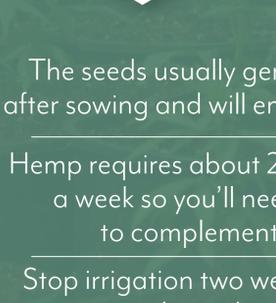
Sow hemp seeds in a shallow bed with firm soil. Depth = 0.5 - 1 inch (if sowing in flats: .25 - .5 inch).

Plant 2,500 to 3,000 per acre for early and full-term varieties and 25k+ per acre for Autoflower.

Plant your hemp seed directly in the ground using a precision vacuum planter. If planting starts, use a mechanical transplanter.



HEMP PLANTING AND GROWTH CYCLE



Plant your hemp seeds when the soil is around 50 degrees Fahrenheit.

The complete growing cycle of hemp plants typically takes 108 - 120 days.

The seeds usually germinate 3 days after sowing and will emerge soon after.

Hemp requires about 2 inches of water a week so you'll need to irrigate to complement rainfall.

Stop irrigation two weeks before you plan to harvest.



WEEDS AND PESTS

Hemp is relatively resistant to diseases and pests.

Perform a pre-seeding burn-off and ensure your field has the right balance of nutrients for hemp before planting.

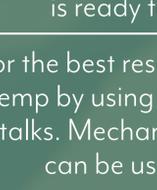
Adequately cultivated fields keep weed pressure low.

Hemp can outpace weed growth or you can use a cover crop like clover, vetches, or peas.



HARVESTING HEMP

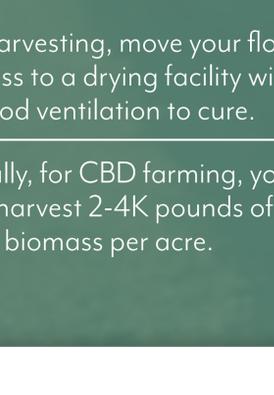
When the hemp flower is mature, it's time to harvest.



Testing is mandatory two weeks before a planned harvest.

Regular testing for THC levels will tell you when your hemp crop is ready to harvest.

For the best result, harvest your hemp by using labor to cut the stalks. Mechanical harvesters can be used as well.



After harvesting, move your floral biomass to a drying facility with good ventilation to cure.

Typically, for CBD farming, you can harvest 2-4K pounds of biomass per acre.



HighGradeHempSeed.com

This information is illustrative and for informational purposes only. It is not intended to be a warranty or guarantee of any kind regarding High Grade Hemp Seed.