

Interested in growing hemp? Ten questions to ask others or yourself.
Marguerite Bolt

1. Do you have any crop production experience?
 - a. This could include any number of crops. As a general rule of thumb, melon and vegetable growers (or other specialty crops, floriculture) seem to be more equipped when it comes to CBD hemp production. Grain and fiber fit in with row crop or forage equipment.
2. What type of hemp do you want to grow?
 - a. Grain, fiber, dual purpose, or CBD (or other cannabinoids, CBG is the next “big” one)
3. Do you have equipment, land, labor, etc.?
 - a. If not, have you figured out a plan to rent, purchase, or modify equipment? If producing hemp for cannabinoids (i.e. CBD production) identify and secure labor. This can be a very intense crop to produce and is more similar to horticultural crop production than row crop production.
4. Have you identified seed or clone sources?
 - a. Please see seed provider list that OISC has listed in section 7 https://www.oisc.purdue.edu/hemp/pdf/seed_suppliers.pdf. THC testing results from 2019, 2020 and from the Midwest Cannabinoid Database can be found here <https://purduehemp.org/1224-2/>. Also check out the THC/CBD reporting tool from UW, which has testing results from 2019 <https://fyi.extension.wisc.edu/hemp/statewide-cbd-and-thc-testing-information-sharing/report/>
5. Have you identified any buyers?
 - a. If you have, ask about getting a letter of intent, buy back agreement, or contract.
 - b. We have also included a list of current processors in Indiana that you can reach out to.
6. Do you have a crop production/management plan?
 - a. There are guides that discuss production and you can find production information on the Purdue Hemp site <https://purduehemp.org/hemp-production/> Here are some of the other resources I like to use;
 - UKY Hemp agronomics- <http://www2.ca.uky.edu/agcomm/pubs/ID/ID250/ID250.pdf>
 - Cornell hemp production- <https://hemp.cals.cornell.edu/hemp-resources/hemp-growing-info/>
 - Wisconsin Hemp Site- <https://fyi.extension.wisc.edu/hemp/>
 - Michigan Hemp Site- <https://www.canr.msu.edu/hemp/>
 - NC State Hemp Site- <https://industrialhemp.ces.ncsu.edu/>
 - CSU Hemp Insects Site- <https://hempinsects.agsci.colostate.edu/>
7. Have you attended any hemp events within or outside of Indiana?
 - a. If not, please check out <https://purduehemp.org/events/> to see upcoming events in Indiana.
8. Have you developed a cost of production budget?

- a. Please see fillable enterprise budget model options below. Adjust for Indiana specific licensing costs (\$750) and state specific management practices.

NDSU <https://www.ag.ndsu.edu/bioeconomics/Library/tools/industrial-hemp-enterprise-budget/view>

UKY <https://hemp.ca.uky.edu/grower%20resources>

UT <https://ag.tennessee.edu/arec/Lists/Budgets/DispForm.aspx?ID=7>

9. Do you use PanXchange or Hemp Benchmarks (or any other economic reports) to look at spot market pricing and economic change within hemp?
 - a. You can sign up for fee based monthly reports at <https://panxchange.com/hemp/> and <https://www.hempbenchmarks.com/>
10. Are you familiar with rules and regulations in the state when it comes to licensing, violations, and pesticide use?
 - a. Please visit https://www.oisc.purdue.edu/pesticide/pdf/pest_hemp_product_list.pdf to learn more.



INDIANA CANNABINOID PROCESSORS



Company Name	Extraction Method	Contracting with Growers	Potential for Grower Contracts	Toll Processing Available	Minimum Weight Requirements	Testing Available	Drying Services Available	Pelletization	Storage	Additional information
Agrozen Life Sciences agrozen.com Brian Schroeder 844-655-6935	CO2	No	Yes	No	No	Yes	No	No	No	Our extraction process will be setup for small or custom batches.
CannonHale Extraction Labs Zach Wilson 765-426-7676	CO2	Yes	Possibly, depends on demand	Not currently, possibly at end of year	No	Yes, full cannabinoid profile	No	Yes and hammer milling	Yes	We are USDA Certified Organic, We will be cGMP Nutraceutical Certified by July, We are 1 of 3 Certified Organic THC-Remediation Companies in the US, We have a Controlled Substance License, We are FDA Registered and compliant with FDA regulations, We use proprietary methods during de-carbing that allows us to retain ALL terpenes and re-introduce them back into the product, We use Organic Grape Alcohol in our winterization process, We also are able to create a water soluble/viable nano emulsified tincture, We are capable of manufacturing bulk and finished goods in-house i.e. tinctures
Heartland Harvest Processing LLC Adam Kline 765-499-1016	Hydrocarbon	Yes	Yes	Yes, cash tolling arrangements for the first year. Though we make no promise to buy the tolled material, we exclusively work with our tolling farm relationships when fulfilling excess need from our in-house contracts.	500 lb	We always provide in-house testing with our chromatograph. Our quality control analytical equipment is operated by an employee that oversaw a lab of similar testing equipment at DowAgrosciences in excess of 20 years. We recommend that third-party testing be obtained for sales to outside parties.	Yes, we offer drying and milling services on a first-come, first-served basis. For those without harvest options, we also have harvest equipment for lease.	Yes, subject to a 20,000 lb minimum.	Yes	We have current infrastructure and experience with all of the drying, milling and processing services offered. There is no risk that infrastructure will not be complete in time for harvest, or that services will not turn out as represented.
Hemprise hemprise.com	CO2, Ethanol	N/A - Not currently operating. Anticipated opening March 2021.	Yes	Yes, negotiable	Yes	No	No	No	No	Currently under construction; anticipated opening - March 2021
NXT Labs LLC nxtlabsllc.com Wesley Holcomb 317-863-9100 wes@nxtlabsllc.com Aaron Furman aaron@nxtlabsllc.com	CO2 Low Pressure Selective Targeting AVE	Yes	Yes	Yes, please contact us at info@nxtlabsllc.com	500 lb and case by case basis	Yes, quick 3rd party analytics off site results typically within 48 hours max on all smaller potency/terpene results.	No, but have referral and program set up with a great dryer	No	Yes, biomass or oil	Bring product from seed to shelf. We have a bottling line for tinctures as well as salves, pain creams, lotions, shampoos, dog treats, gummies, over 100 products total we formulate at our satellite building across the street. NOTHING leaves the state to come back home. 80% Hoosier Hemp so far and 20% Midwest Hemp. Have Illinois, Wisconsin, Minnesota, and little bit of Tennessee.
Thrive Well LLC thrivewellcbd.com Doug Prather 812-525-8955	CO2	Yes	No	Yes	Subject to desired end product	Not yet, hopefully soon	No	Yes	Yes	
Tomorrow Solutions LLC tomorrowsolutions.net Michael Morrow 317-800-0312	Lipid Infusion	No	Yes	Yes, \$80/lb	200 lb	Yes, Orange Photonics Cannabis Analyzer	No	No	Yes	Complete white label service from flower to bottle
Viobin viobin.com Layne Crumbly 970-554-2978 Nate Foristall 970-319-9431	Hydrocarbon-Hexane	Yes, still have capacity	Yes	Yes, 3 different contracts-see additional info	10,000 lb	We offer potency testing on a couple of cannabinoids at our onsite lab in Michigan City, IN.	By early Q1 of 2021 we anticipate having drying solutions.	By early Q1 of 2021 we anticipate offering pelletizing as well.	We do offer some storage options	We offer extraction, bulk sales, and white labeling services all backed by multiple cGMP endorsements. Please visit our website and give us a call, we offer multiple solutions that can meet your hemp processing and supply needs. Contact types 1. Toll - we charge a fee to process product to agreed upon spec for producer/customer. 2. Split - producer/customer and Viobin split total yield of biomass extracted. 3. Spot - Viobin offers producer/customer price per pound on biomass that meets spec.

<p>Biodynamic Extraction LLC (BDX) bdxco.com Jeff Chin 317-349-8017</p>	<p>Super critical CO2 extraction We offer winterization, distillation and isolate manufacturing as well. Further we offer water solubility, THC remediation, blending and bottling services.</p>	<p>Yes and we are always interested in the purchase of biomass.</p>	<p>We are always interested in the purchase of biomass. Please call for biomass purchase information.</p>	<p>We do offer toll processing on a cash payment basis. We do not normally offer a split arrangement. Call for pricing and a proposal. Farmers who have secured an off take agreement are preferred.</p>	<p>10,000 lb</p>	<p>Yes, we have the most advanced manufacturing and quality control testing laboratory in the state.</p>	<p>We do not offer drying services. We do offer grinding services that both assure product quality retention and effective extraction.</p>	<p>We have access to a third party pelletizing service. We recommend this for efficient extraction.</p>	<p>We do offer secured storage for dry biomass.</p>	<p>BDX is a GMP certified manufacturing company. As such we are able to provide products into the consumer goods, food and beverage market as we meet their exacting standards. BDX is one of the largest cannabis processors in the USA. Between or 3 locations, we the capability to produce over 60,000 kg of products annually, this is the equivalent of 1,500,000 lbs. of biomass. BDX is science based. Our staff includes chemical engineers, analytical chemists, biologists, and process engineers. All of these folks are here to provide the highest level of product quality. We are a solvent free extractor. We do not use ethanol, propane or butane only Co2 from nature. We are an Indiana company with Indiana ownership. Other extractors have foreign ownership.</p>
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