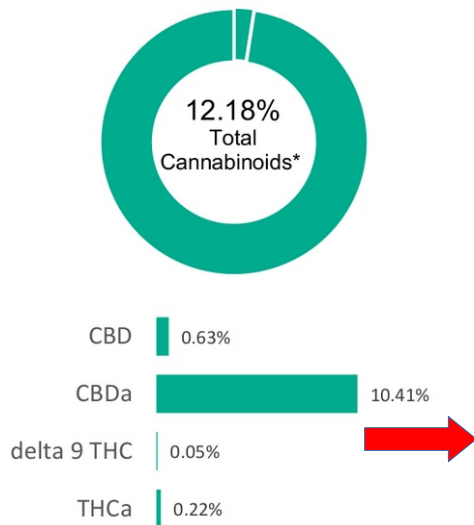


Hemp Seed Procurement 2020

INDUSTRIAL HEMP ACT – Section 1200.20 (e): “All seeds, clones, transplants, and propagules used to cultivate Industrial Hemp in Illinois shall be certified pursuant to the Association of Official Seed Certifying Agencies (AOSCA) standards and guidelines for Industrial Hemp or shall be accompanied by a certificate of analysis from an accredited certified laboratory from a state with a regulated industrial hemp program that certifies the industrial hemp grown will not contain in excess of 0.3 percent THC.”

Example:

CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.07	0.22	2.2
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.03	0.05	0.5
Cannabidiolic acid (CBDA)	0.06	10.41	104.1
Cannabidiol (CBD)	0.03	0.63	6.3
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.04	ND	ND
Cannabinolic Acid (CBNA)	0.09	ND	ND
Cannabinol (CBN)	0.04	ND	ND
Cannabigerolic acid (CBGA)	0.06	0.44	4.4
Cannabigerol (CBG)	0.03	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.06	ND	ND
Tetrahydrocannabivarin (THCV)	0.03	ND	ND
Cannabidivarinic Acid (CBDVA)	0.05	0.09	0.9
Cannabidivarin (CBDV)	0.03	ND	ND
Cannabichromenic Acid (CBCA)	0.05	0.34	3.4
Cannabichromene (CBC)	0.06	ND	ND
Total Cannabinoids		12.18	121.80
Total Potential THC**		0.24	2.43
Total Potential CBD**		9.76	97.60

NOTES:
N/A

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

Total THC = THC + (THCa * (0.877)) and Total CBD = CBD + (CBDa * (0.877))

ND = None Detected (Defined by Dynamic Range of the method)

Hemp Seeds 101

- Three (3) main varieties: fiber, grain, and cannabinoid
- Only female hemp plants will produce flowers with high contents of cannabinoids
- Approx. 25,000 seeds per pound

Regular Seeds vs. Feminized Seeds

- Fiber and grain varieties will be regular seeds – both male and female plants
- Cannabinoid varieties may be “feminized”, meaning less likelihood of having male plants
- Feminized seeds are generally more expensive

How Many Seeds Per Acre?

- Grain – 400,000 hemp plants per acre or 20-25 pounds of seed per acre
- Fiber – 900,000 hemp plants per acre or 45-55 pounds of seed per acre
- Cannabinoid – 1,500-3,000 hemp plants per acre, depending on variety and spacing

Estimated Costs

- Grain/Fiber – less than \$10 per pound depending on variety and order quantity
- Cannabinoid – \$0.30 - \$5 per seed or \$3,500-\$20,000 per pound based on variety, order quantity, and regular or feminized seed

Name	State	Website	Contact Info
Alterra Hemp	CO	alterrahemp.com	alterrahemp.com/contact-us (720) 526-3050
American Hemp Research	IL	americanhempresearch.com	contact@americanhempresearch.com (309) 371-4040
American Hemp Ventures	CO	americanhemp.io	Doug@americanhemp.io (919) 518-4076
Blue Forest Farms	CO	blueforestfarms.com	info@blueforestfarms.com (303) 962-8250
Bulk Hemp Warehouse	CA	bulkhempwarehouse.com	support@bulkhempwarehouse.com (805) 410-4367
Cheyenne Mountain Seed	CO	cheyennemountainseedcompany.com	k.rogozin@cheyennemountainseedcompany.com (719) 619-9489
Colorado CBD Seed	CO	coloradocbdseed.com	info@ColoradoCBDseed.com (833) 267-3337
Davis Hemp Farms	OR	davishempfarms.com	davishempfarms.com/contact-us (541) 480-9702
Ecogen Labs	CO	ecogenlabs.com	info@ecogenlabs.com (833) 432-6436
Fortuna Hemp	FL	fortunahemp.com	fortunahemp.com/contact-us (407) 315-2600
Front Range Biosciences	CO	frontrangebio.com	sales@frontrangebio.com (720) 805-0141
Green Lynx Farms	CO	greenlynxfarms.com	info@greenlynxfarms.com (970) 676-4200
Hemp Logic	WA	hemplogicusa.com	hemplogicusa.com/contact (866) 472-331
Hempyre Genetics	OK	hempyregenetics.com	ryan@hempyregenetics.com (405) 225-1611
HGH Seeds	CO	highgradehempseed.com	info@highgradehempseed.com (833) 867-7333
International Hemp	CO	international-hemp.com	info@international-hemp.com (833) 937-4367
Key To Life	CO	keytolifegarden.com	keytolifegarden.com/pages/contact-us (303) 955-7838
KifCure	IL	kifcure.com	grice@kifcure.com (331) 901-1224
Legacy Hemp	MN	legacyhemp.com	surveymonkey.com/r/8PSJ8JX (612) 790-6574
Liquid Mellow	CA	liquidmellow.com	info@liquidmellow.com (916) 893-4262
Phytonyx	OR	phytonyx.com	info@phytonyx.com (541) 640-7598
Midwest Hemp Supply	IL	midwesthempsupply.com	info@midwesthempsupply.com (773) 234-2895

Old Country Hemp Co	NC	oldcountryhempco.com	thomas@oldcountryhempco.com (828) 380-1702
Oregon CBD Seeds	OR	oregoncbdseeds.com	seth@jackhempicine.com (541) 206-2151
Rohrer Seeds	PA	rohrerseeds.com/pages/industrial-hemp-seeds	dzimmerman@rohrerseeds.com (717) 299-2571
Schiavi Seeds	KY	schiaviseeds.com	info@schiaviseeds.com (859) 338-6117
Sulcanna	IL	sulcanna.com	info@sulcanna.com (815) 591-2370
Sunbelt Hemp	SC	sunbelthemp.com	info@sunbelthemp.com (864) 689-1197
Sunrise Genetics	CO	sunrisegenetics.com	sunrisegenetics.com/contact (970) 372-5363
Tesoro Genetics	CO	tesorogenetics.com	jj@tesorogenetics.com (720) 520-1622
The Hemp Mine	SC	thehempmine.com	info@thehempmine.com (864) 903-9661
The Plug Supply	CO	theplugsupply.com	hello@theplugsupply.com (833) 754-7759
ZEBZS Hemp	IL	zebzshemp.com	zebzshemp.com/contact-us (309) 512-2520

Additional Resources

2020 Hemp Approved Varieties, Varieties of Concern & Prohibited Varieties

- [Pennsylvania Department of Agriculture](#)
- [Texas A&M Agrilife Extension](#)

Recent Hemp Seed Procurement Lists From Other States as of August 1st, 2020

- [Kentucky Department of Agriculture](#)
- [Purdue University Indiana](#)
- [Wisconsin Department of Agriculture, Trade and Consumer Protection](#)
- [North Carolina State University](#)
- [Nevada Department of Agriculture](#)
- [Louisiana Department of Agriculture and Forestry](#)

