



Industrial Hemp: The Road Ahead



Dana Ladner
October 22-23, 2018

State Advisory Board

- Current Advisory Board Members:
 - Representative Willie Dove, 38th House District
 - Kerri Ebert, K-State, Kansas Center for Sustainable Ag and Alternative Crops
 - Representative Steven Johnson, 108th House District
 - Jeff Ochampaugh, Agrilead, Inc.
 - Kelly Rippel, Vice President, Kansans for Hemp
 - Steve Schuler, Executive Director, Kansas Crop Improvement Association
 - Dr. Andrew Tucker, Fort Hays State University, Agronomy
 - Katie Whisman, Executive Office, Kansas Bureau of Investigation
 - Representative Troy Waymaster, 109th House District
 - Jeff Vogel, ex officio, Program Manager, Plant Protection, KDA

How We Got to the Law

- ✓ Passed by the Senate
- ✓ Passed by the House
- ✓ Signed by the Governor — Officially became a law on April 20
- ✓ Published in the Kansas Register
 - Officially took effect on May 3
 - 2018 Kansas Session Laws Ch. 62
- ✓ Arranged and published as a statute by the Revisor of Statutes
 - K.S.A. 2-3901, K.S.A. 2-3902, K.S.A. 2-3903

What's in the Law

- Section 1 — Definitions
- Section 2 — The Meat of It All
 - The Department, alone or in coordination with a state educational institution, may cultivate industrial hemp grown from certified seed and promote the research and development of industrial hemp.
 - The Secretary will create an advisory board to review and recommend applications for pilot projects and research proposals.
 - The Department will oversee and license all individuals participating in the cultivation, growth, research, oversight, study, analysis, transportation, processing or distribution of certified seed or industrial hemp.

What's in the Law

- Section 2 — The Meat of It All (continued)
 - The Department will require anyone seeking a license
 - To be fingerprinted
 - To submit to state and national criminal history record check
 - The Secretary will develop rules and regulations to carry out the provisions of the Alternative Crop Research Act on or before Dec. 31, 2018.
 - The Department will submit a report to the legislature outlining the steps and timeline to implement a process that would allow individuals and businesses to grow and process industrial hemp in Kansas and to sell it in other states by Jan. 14, 2019.
 - Nothing in the Alternative Crop Research Act will allow anyone to violate any state or federal law.

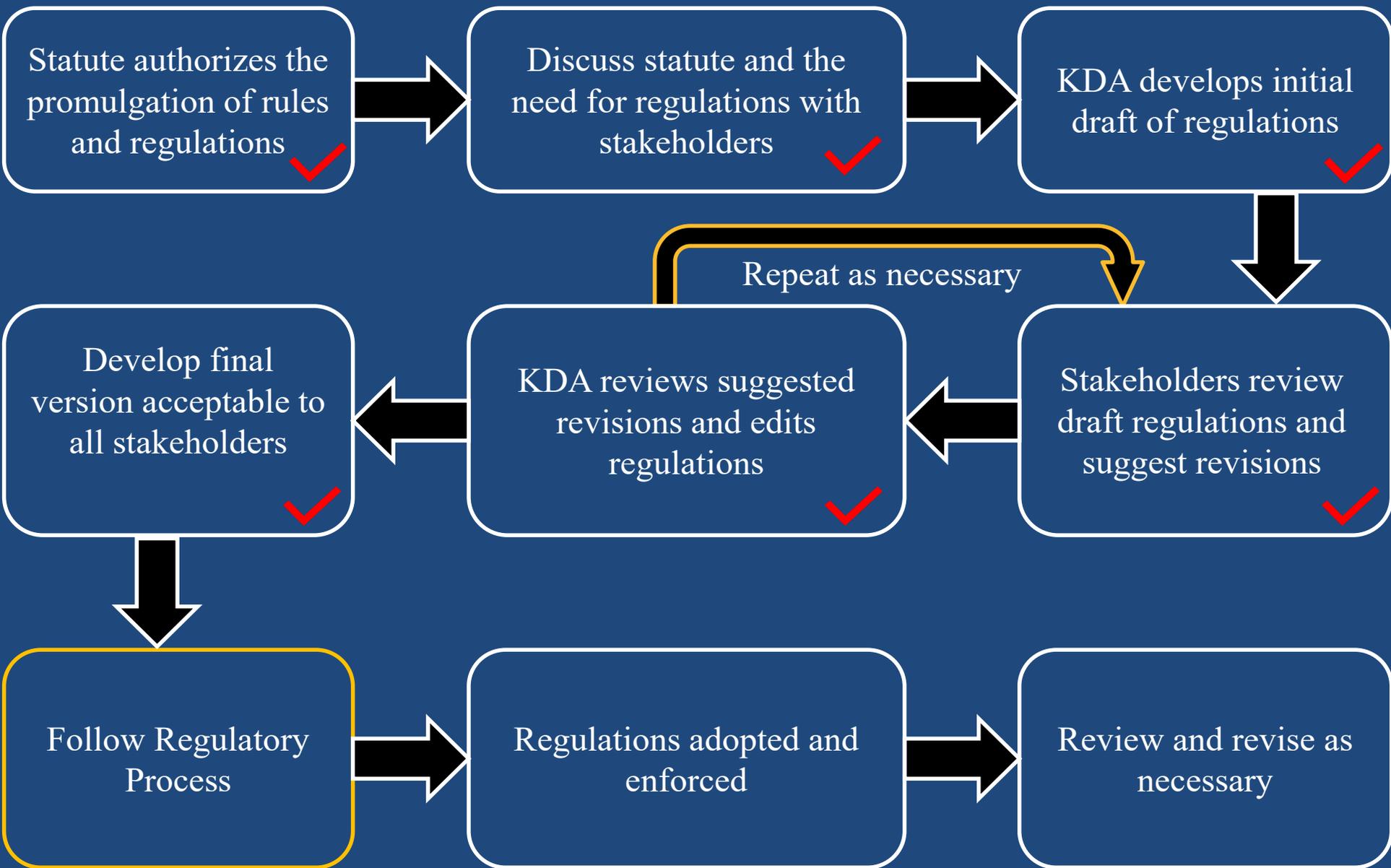
What's in the Law

- Section 3 — Administrative
 - The state treasury has created the Alternative Crop Research Act Licensing Fee Fund to be administered by the Secretary.
 - Only the Secretary of Agriculture can spend money from the Alternative Crop Research Act Licensing Fee Fund.
 - The fees collected under the Alternative Crop Research Act will be deposited in the Alternative Crop Research Act Licensing Fee Fund.

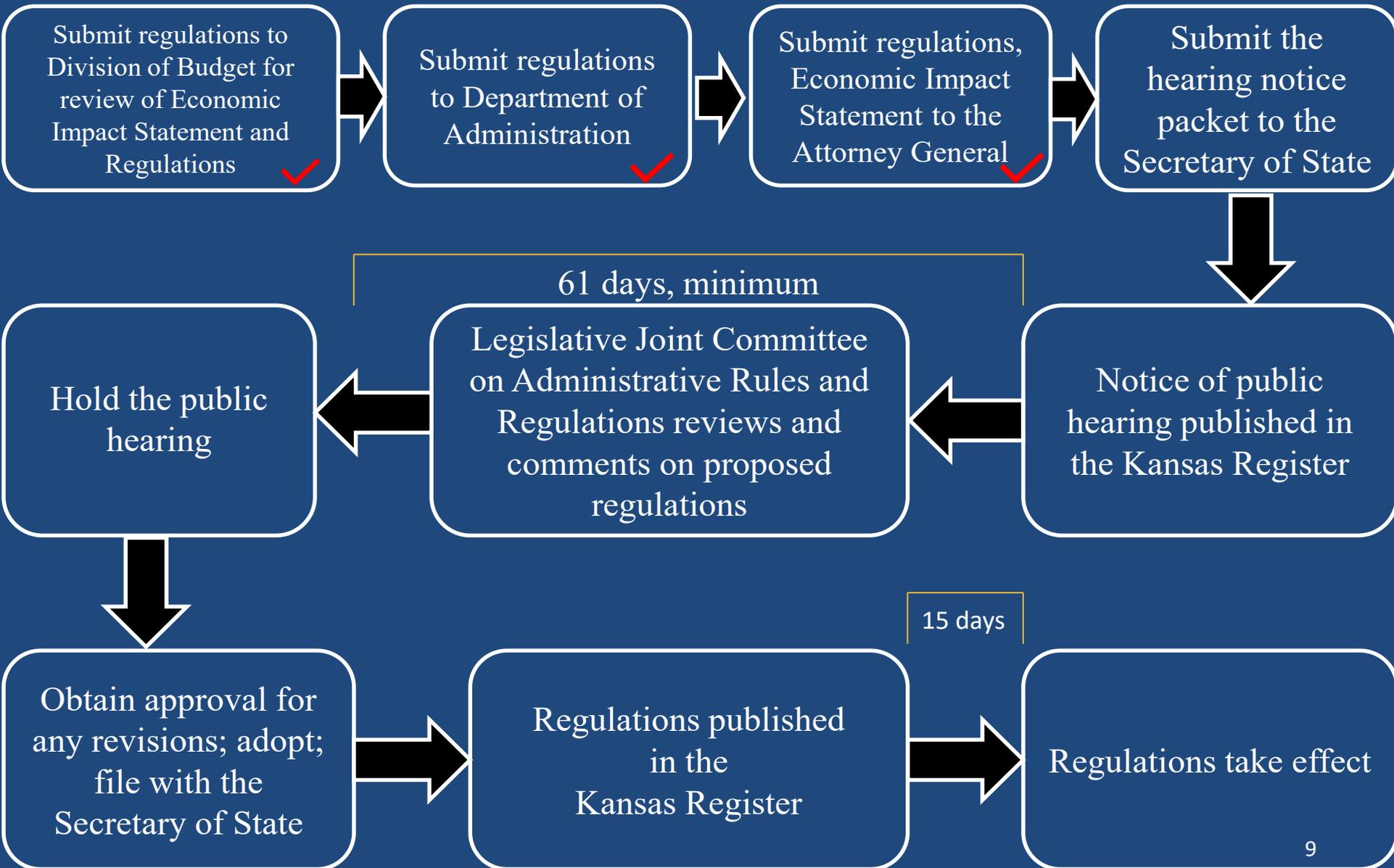
Research as Outlined by K.S.A. 2-3901, K.S.A. 2-3902, K.S.A. 2-3902

- Oversight and analysis of industrial hemp (IH) research and analysis of soils, growing conditions and harvest methods for the production of varieties of IH suitable for commercial hemp products.
- Analysis on the economic feasibility of developing an IH market in various types of IH that can be grown in Kansas.
- Analysis on the value-added benefits, including environmental, that the state would reap by having Kansas-grown IH varieties.
- A study on the worldwide agronomy research relating to IH varieties, production and utilization.
- A study on the feasibility of attracting funding for IH research.
- Pilot programs for economic development, research, cultivation, market analysis, manufacturing and transportation of IH and IH products.

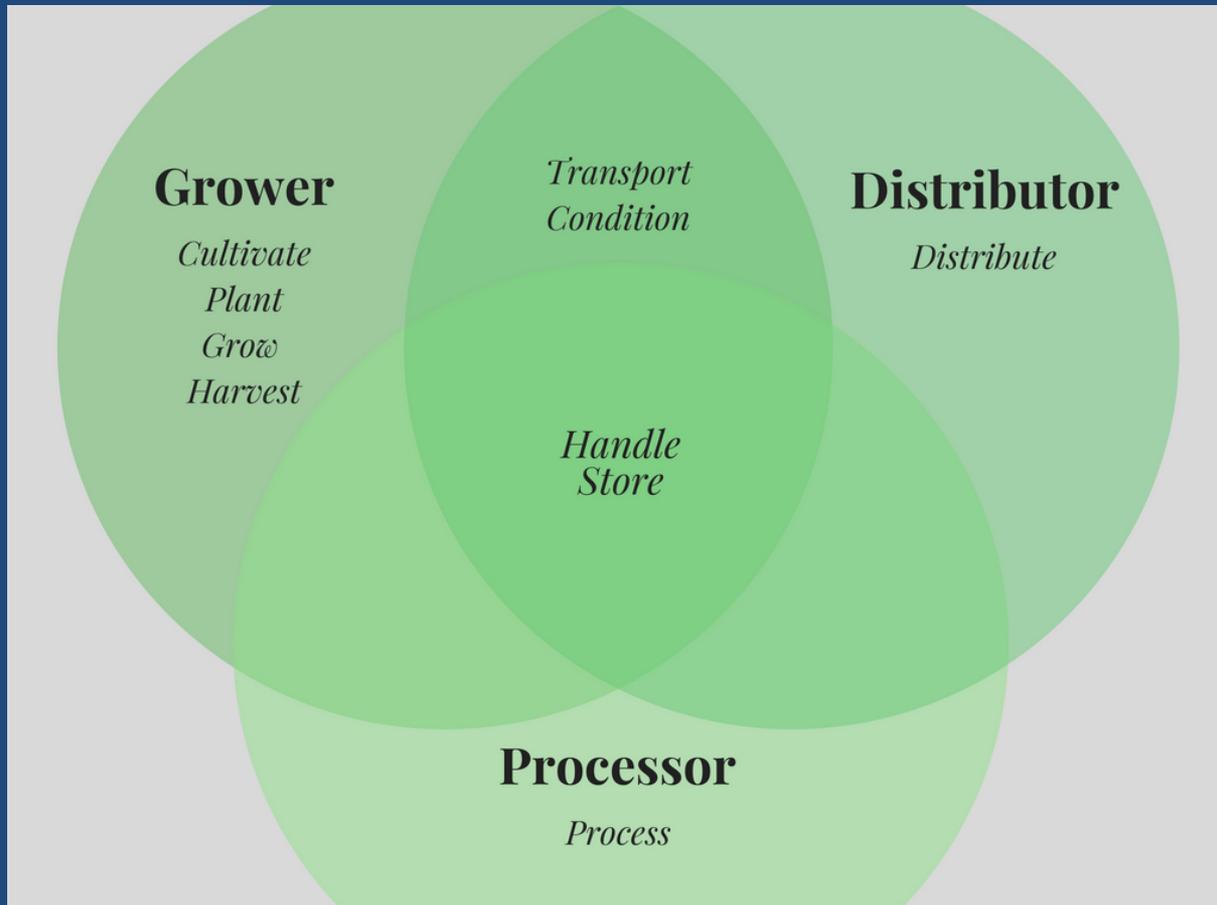
Developing Regulations



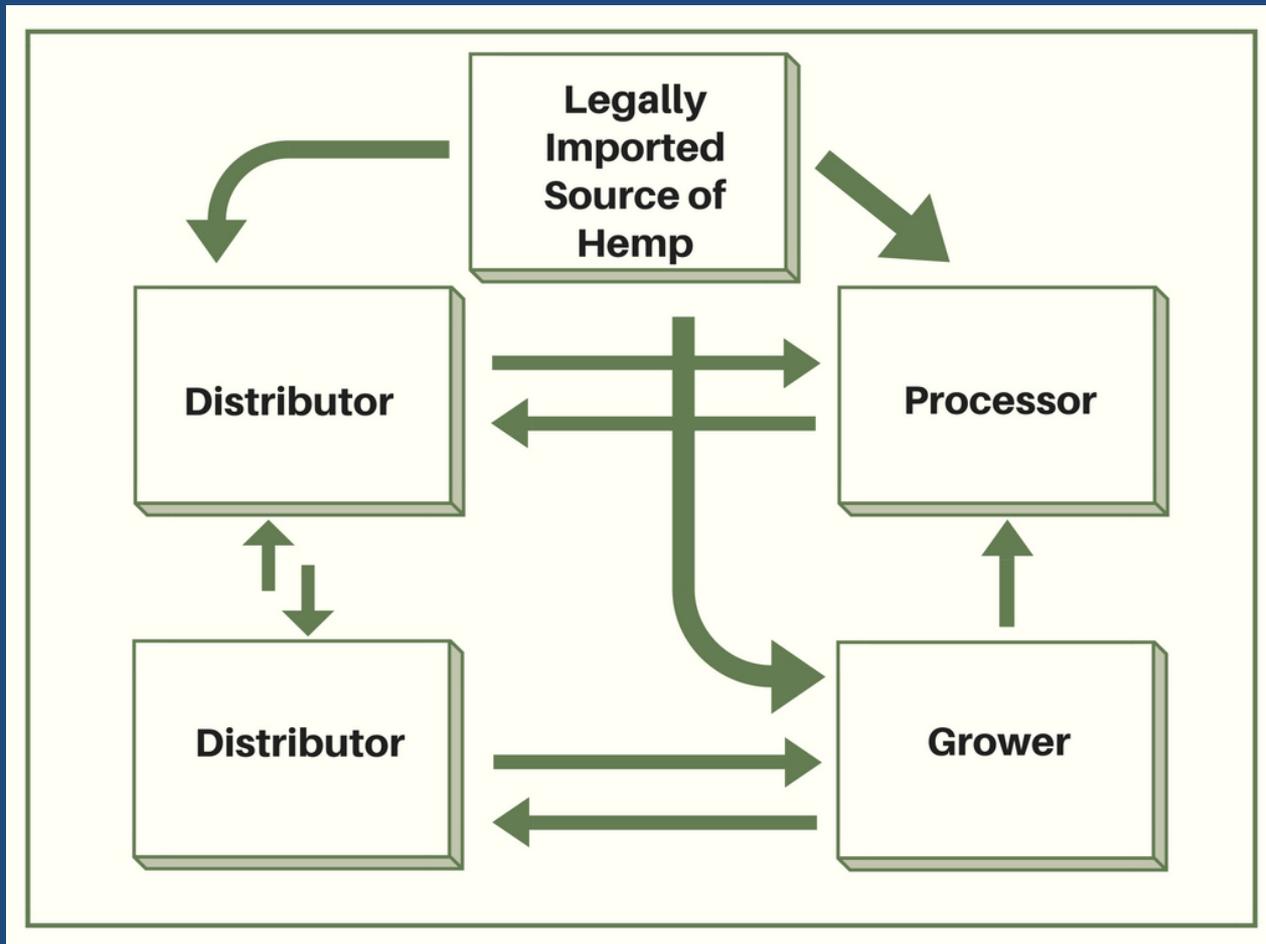
Kansas Regulatory Process



Activities Conducted by Licensees



Relationships Between Licensees



Regulations

- As determined by the Secretary with input from stakeholders including the state advisory board — May 11 public meeting, 5 Advisory Board meetings, and informal public comment period
 - License Approval Process
 - State Advisory Board
 - Requirements for Licensees
 - Grower, Distributor, Processor, Administrative License, State Education Institutions
 - Fee Schedule
 - Pre-and Post-Harvest Inspection, Sample Collection, Testing and Post-Testing Actions
 - Reports

Research License Application Approval Process

- Submit completed research license application, including research proposal
 - All individuals participating
 - Maps identifying location
 - Acknowledgments of restrictions
 - SARE Technical Bulletin, How to Conduct Research on Your Farm
- Submit to and pass the state and national criminal history record check
- Submit application fees
- Research license applications are reviewed by State Advisory Board and Secretary and are either denied or conditionally approved

Research License Application Approval Process

- If conditionally approved, applicant has 15 days to remit applicable license fees.
- Once license fees are received, the research license application shall be officially approved and the Department shall issue the appropriate licenses.
- Copies of each license issued will be forwarded to appropriate law enforcement agencies.
- Applications are required to be submitted on an annual basis.
 - For the 2019 growing season, the deadline is March 1
 - For other growing seasons, the deadline is November 30

TECHNICAL BULLETIN

Peer-reviewed research findings and practical strategies for advancing sustainable agriculture systems



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Available at:
www.sare.org/research or
 order free hard copies at
 (301) 779-1007.

January 2017



How to Conduct Research on Your Farm or Ranch

2ND EDITION

Introduction

When Rich Bennett returned to the family farm in the 1970s to help his father, he faced some significant challenges. Poor soils and increasing fertilizer costs were straining the farm's bottom line. As a result, he began looking into new ways of farming that could improve his land and also improve the profitability of the business. Eventually, he succeeded: After experimenting with lower commercial fertilizer rates and incorporating cover crops into his grain rotation, Bennett decided to frost-seed red clover into his wheat every winter to supply crop nutrients and enhance soil quality. In the process, he reduced his fertilizer costs by more than half.

When starting out, Bennett had his own ideas, and he gathered information from other sources, but in the end, what dictated the changes he eventually decided to make?

On-farm research.

"Through on-farm research," Bennett said, "farmers gain insights into their own production system and how to produce for maximum profit, not yields." The value in on-farm research is that it provides reliable information you know will make a difference.

"Until you do research, you're really only guessing," said Vicki Stamback, an Oklahoma cut-flower producer who received a grant from USDA's Sustainable Agriculture Research and Edu-

Information can be found at www.SARE.org



State Advisory Board

- Members appointed by the Secretary of Agriculture
- Consists of no fewer than five and no more than nine members
- Reflects different geographic areas of the state equally, to the greatest extent possible
- Each member shall be recognized for knowledge and leadership in at least one of the following: crop research, industrial hemp production/processing, law enforcement, seed certification, or any other sector deemed important by the Secretary
- Each member is issued an administrative license

State Advisory Board

- Terms:
 - Secretary will designate four members whose terms expire June 30, 2021, and the remaining on June 30, 2023.
 - Limited to serving two terms.
- State board will advise the Secretary regarding pilot projects and research proposals.
- Other duties may include review of rules and regulations and recommended changes.

State Educational Institution

- State educational institution research license required for those volunteers, students or employees wishing to conduct industrial hemp research.
- Each individual with access to any research area must be listed on the research license application and pass the state and national criminal history record check.
- Applications, including research proposals, are reviewed solely by the Secretary.
- No fees imposed.
- Cannot subcontract with an individual for land use.

Administrative License

- Will be issued to
 - Employees of the designated certifying agency
 - KDA employees
 - Members of the State Advisory Board
- No application or license fees required
- Prior to licenses being issued, each individual shall undergo and pass the state and national criminal history record check.

Fees Schedule

Fee Type	Program Fees	Fee Due Date
Application Fee	\$200 (nonrefundable)	At time application is submitted
License Fee – GROWER	\$1,000 License Fee (per licensed research section)	Within 15 days of receipt of notice of conditional approval
License Fee – DISTRIBUTOR	\$2,000 License Fee (per licensed research section)	Within 15 days of receipt of notice of conditional approval
License Fee – PROCESSOR	<p>License Fee per Processing End-Use</p> <ul style="list-style-type: none"> Fiber Processor - \$3,000 (per processing facility in each licensed research section or mobile processing facility) Grain Processor - \$3,000 (per processing facility in each licensed research section or mobile processing facility) Floral Material Processor - \$6,000 (per processing facility in each licensed research section or mobile processing facility) 	Within 15 days of receipt of notice of conditional approval
NOTE: License holders working with multiple harvestable components will be required to pay a fee for EACH component. Each license fee shall include one sample collection and one laboratory test		
Sampling Fee	\$45 per hour, plus transportation time and mileage	
Testing Fees	\$250 per laboratory test	
Modification Fee	\$750 per requested change to license previously issued	

Pre-Harvest Inspection, Sample Collection, Testing, and Post-Testing Actions

- Licensee shall notify the department of harvest dates in pre-harvest report 30 days before harvesting.
- Department shall collect a sample of industrial hemp and initial testing requires no payment or additional fees.
 - Licensees can request separate samples be taken but requires additional sampling and testing fees.
- Sample tested to determine delta-9-tetrahydro cannabinol concentration (THC).
 - Must be 0.3% or less to warrant a passing report of analysis.
 - If higher than 0.3%, it warrants a failing report or analysis and testing results and location **may** be reported to KBI. If higher than 2.0%, testing results and location **shall** be reported to KBI.

Pre-Harvest Inspection, Sample Collection, Testing, and Post-Testing Actions

- Licensees shall receive a passing report analysis prior to harvesting and has 10 days to fully harvest industrial hemp after issuance of passing report of analysis.
- If licensee receives a failing report of analysis:
 - Licensee may request a subsequent pre-harvest sample and pay sampling and testing fees or licensee shall destroy all industrial hemp within seven days.

Post-Harvest Inspection, Sample Collection, Testing, and Post-Testing Actions

- The department may conduct inspections any time after harvest.
- Same requirements and pre-harvest inspection.
- If a sample is collected, the licensee must be issued a passing report of analysis to handle, condition, distribute, transport or process the sampled industrial hemp plants, plant parts, grain or seeds.

Harvest Certificate

- No more than five days after the licensee completes harvest of industrial hemp, the licensee shall notify the department that harvest has been completed.
- The department shall not issue a harvest certificate until the following information is provided:
 - The **official name of the industrial hemp variety** that was cultivated, planted or grown.
 - **Each date the licensee harvested** the industrial hemp plants, plant parts, grain or seeds.

Harvest Certificate

- The **global positioning system coordinates** for each **research area** where the industrial hemp was harvested.
- A statement of **intended end-use** for all industrial hemp harvested.
- After harvest, a copy of the harvest certificate shall accompany the industrial hemp plants, plant parts, grain or seeds.

Reports

- **Research License Application** – Applicants
 - For the 2019 growing season, the deadline is March 1 .
 - For other growing seasons, the deadline is November 30.
- **Field Planting Report** – Licensed research growers within 15 days after every planting.
- **Voluntary Withdrawal Report** – Licensed research growers
 - On or before June 1 if no industrial hemp was planted or
 - Within 15 days if a licensee conducts a voluntary destruction.

Reports Continued

- **Pre-Harvest Report** – Licensed research growers at least 30 days prior to intended harvest dates
- **Production Report** – Licensed research growers within 30 days after last harvest date for every harvest
- **Distribution Report** – Licensed research distributors by November 30
- **Processing Report** – Licensed research processors by November 30
- **Research Report** – All licensees by November 30

Grower Application — DRAFT

Guidelines and Instructions for Grower Applicants

- The Kansas Department of Agriculture (KDA) is conducting an Industrial Hemp Research Program as authorized by Alternative Crop Research Act (K.S.A. 2-3901). Individuals who would like to be considered for participation in the Kansas program as a grower must submit the Grower License Application for 2019 to: KDA, Industrial Hemp Research Program, 1320 Research Park Dr, Manhattan, KS 66502. Complete the full application in this packet including all required attachments and return to KDA along with a check or money order for \$200 made payable to Kansas Department of Agriculture.
- **Application Deadline.** March 1 is the application deadline for all 2019 projects which involve cultivating, planting or growing industrial hemp. KDA recommends that applicants use a delivery method with tracking capabilities when submitting an application by mail because KDA is not responsible for applications lost in the mail or not received.
 - **Keep a copy of the completed application, all attachments, and, if applicable, the mail receipt and tracking number for your records.**
- **Fee Schedule.** A \$200 nonrefundable application fee (check or money order made payable to the Kansas Department of Agriculture) must be included with the completed application upon submission. This application fee does not apply to any other program costs. If you are conditionally approved for participation in the program, there will be additional fees associated with participation.
 - **Carefully review the fees that are required for all participants and budget accordingly in the event you are selected for participation.**
- **Application File Format.** The KDA Industrial Hemp Research Program Application for 2019 is available in two file formats: Microsoft Word fillable form and PDF. If you do not have compatible software for the fillable form, please print out the PDF and complete the form manually and legibly.
 - **KDA is not responsible for missing information.**
- **Complete Applications.** Applications must be complete, accurate and legible. Follow all instructions in the document. Applications and any attachments may be subject to Kansas Open Records law.
 - **An incomplete application may result in the applicant's removal from consideration;**
 - **KDA is not required to request additional information for clarity of the application. Incomplete applications may not be approved.**
- **Application Review.** The Industrial Hemp Advisory Board will evaluate each application and select projects for approval based on the review criteria set forth in regulation, which is available at agriculture.ks.gov.
- **Research Proposal.** The KDA Industrial Hemp Research Program involves research that will promote the development of the future commercial production of industrial hemp. Each program applicant must submit a project research proposal to be approved to become part of the KDA program.

Grower Application — DRAFT

- **Record Checks.** Before conditional approval will be granted, a Kansas Bureau of Investigation (KBI) criminal history record check must be received and reviewed by KDA. All applicants must submit to a criminal history record check no more than 30 days prior to submitting their application to the department.
 - **Prohibited Activities.** The activities listed below are prohibited from the KDA Industrial Hemp Research Program. When described in a research proposal, any prohibited activities may disqualify an application from approval. A current participant found to be conducting or participating in any of these activities may be subject to actions including but not limited to termination of their license and destruction of all materials from a plant in the genus cannabis in their possession.
 - Growing cannabis that is not industrial hemp (cannot have a delta-9-tetrahydrocannabinol concentration of more than 0.3% on a dry weight basis).
 - Possessing or growing industrial hemp plants on any site not listed in the license.
 - Growing or storing industrial hemp:
 - in or within 50 feet of any structure that is used for residential purposes;
 - in any outdoor research area or site that is located within one quarter mile of any public or private K-12 school or public recreational area, except with the permission of the secretary;
 - on property which is not owned or completely controlled by a license holder;
 - on property owned by or leased from any person who is ineligible for, or was terminated or denied admission to, the program;
 - interplanted with other crops; and
 - Using pesticides not labeled for use on industrial hemp, or applying any pesticide in violation of state and federal law.
 - Allowing unsupervised public access to industrial hemp plots.
 - Engaging in other activities prohibited by KDA.
- Upon request, KDA shall review and make a determination on any activity or product not specifically listed.
- **Grower Licensing Agreement.** Licensees become an extension of and act on behalf of the KDA for the purposes of conducting research by signing a license with KDA.

Grower Application — DRAFT

- **Timeline.** The expected timeline for the Industrial Hemp Research Program is as follows:

What	Who	Due Date	Comments
Application Deadline	All Applicants	March 1, 2019	November 30 after 2019
Field Planting Report	Licensed Research Growers	Within 15 days after every planting, including replanting seeds or propagules	If a licensed research section consists completely or partially of outdoor locations
Voluntary Withdrawal Report		On or before June 1	Any grower who does not plant industrial hemp in a licensed research area or voluntarily destroys industrial hemp in a portion of a licensed research area
Pre-Harvest Report		At least 30 days prior to the intended harvest date or dates	For each licensed research section
Production Report		After the last harvest date listed in the pre-harvest report, but no later than November 30	
Research Report	All Licensees	No later than November 30	
License Expiration	All Licenses	January 30	

For more information on the KDA Industrial Hemp Research Program, please visit agriculture.ks.gov.

Grower Application — DRAFT

Directions: Complete all parts of the application and submit this application, the \$200 nonrefundable application fee and all required attachments to Kansas Department of Agriculture, Industrial Hemp Research Program, 1320 Research Park Drive, Manhattan, KS 66502. Be sure to keep a copy of the full application for your records.

If you own, or are employed by, a business wishing to participate in the Industrial Hemp Research Program, you must complete the application in your own name and include all members of your business that will have access to the industrial hemp. You cannot fill out the application in the name of your business.

KDA is not responsible for missing information. All information submitted must be accurate, legible, and complete. Incomplete answers may result in the application's removal from consideration; KDA is not required to request additional information for clarity of the application. If any information herein is later determined by KDA to be inaccurate, the application and license may be withheld or terminated.

If completing this form electronically, navigate the form with the mouse or select the next field using the down arrow key.

I. Primary Applicant Information

Name of Primary Applicant:

Residential Address of Primary Applicant:

Mailing Address of Primary Applicant (if different than above):

Email for Primary Applicant (Note: Email is the primary method of communication for this program):

Cell Phone:

Home Phone (if different):

Grower Application — DRAFT

1) Provide a list of:

- a. each owner of all land, structures, and buildings where any proposed research will be conducted;
- b. each owner of any motor vehicles that will be used to transport industrial hemp;
- c. each individual that will own 10 percent or more of the industrial hemp being grown or stored; and
- d. each individual that will otherwise be involved in the research proposal, including those individuals that will be engaged in the purchasing, researching, cultivating, planting, growing, handling, harvesting, conditioning, storing, studying, analyzing, or selling of industrial hemp, other than the Primary Applicant, but including contractors.

List each person's name, city, state, phone number and responsibilities associated with this project.

You must list at least one person, other than the Primary Applicant.

Attach additional sheet(s) if necessary.

Name	City	State	Phone Number	Specific responsibilities related to the proposed industrial hemp project	If involved in transport: Driver's License #, make, model, and color of vehicle used

Grower Application — DRAFT

2) Are you a current KDA employee or do you have any family working as a current KDA employee?

Yes No

"Family" means spouse and children, as well as a person who is related to a KDA employee as any of the following, whether by blood or adoption: parent, brother, sister, grandparent, grandchild, father-in-law, mother-in-law, brother-in-law, sister-in-law, son-in-law, daughter-in-law, stepfather, stepmother, stepson, stepdaughter, stepbrother, stepsister, half-brother, half-sister.

3) If you answered “Yes” to question 2, complete the following table. If “No”, skip to Question 4.

Name of current KDA Employee	Relationship	KDA Office, if known

Grower Application — DRAFT

4) Read each statement below and check the box next to the statement to indicate your understanding.

- There is a \$1,000 license fee. This fee includes one sample collection, one laboratory test and at least one inspection. Additional samples and laboratory tests will entail additional fees (see 2019 Fee Schedule).
- Locations must be approved and included in your license with KDA prior to the planting, harvesting, conditioning or transportation of any industrial hemp at that location.
- I am required to provide precise GPS coordinates in DECIMAL DEGREES for each field/plot, greenhouse, indoor growing location, building and storage at each address.

Example: 39.12345, -96.12345

- Any additions or changes to the GPS coordinates listed for growing or storage locations after signing a Grower License will require the participant to pay a \$750 Site Modification Surcharge (SMS) fee per addition or change to each GPS coordinate.

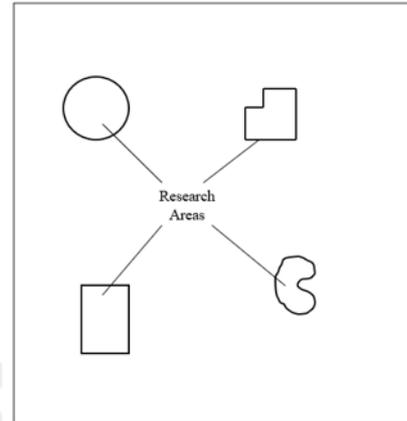
NOTE: This SMS fee is NOT per address like the participation fee; It is assessed per GPS coordinate whether it is on an already approved address or a new address.

- I am required to provide a map of each research area within the research section with the application.
- The following land use restrictions apply to all approved Grower Licenses. By checking the box next to each statement, you are agreeing to NOT propose any sites that would be in contradiction to the restrictions:
 - I will not grow any plant of the genus cannabis that is not industrial hemp (cannot have a delta-9-tetrahydrocannabinol concentration of more than 0.3% on a dry weight basis).
 - I will not grow or store industrial hemp in or within 50 feet of any building or structure that is used for residential purposes.
 - I will not grow or store industrial hemp in any field or structure that is located within a quarter mile of any public or private K-12 school or public recreational area.
 - I will not grow, handle or store industrial hemp on any land which is not owned or completely controlled by a license holder.
 - I will not grow, handle or store industrial hemp on land owned by or leased from any person who is ineligible, was terminated or denied admission to the program.

Grower Application — DRAFT

Example of Required Maps for Research Sections

Difference between
Research Areas and
Licensed Research Section



Research Section

T19S, R3E, S12, SW4



<u>Research Area 1</u>	<u>Building 1</u>
West Field	Industrial Hemp
6 acres	Storage
38.12345	1,700 sq ft
-97.12345	38.12351
	-97.12353

<u>Research Area 2</u>	<u>Building 2</u>
Home Field	Transportation
7 acres	Storage
38.12345	800 sq ft
-97.11904	38.12347
	-97.12034

<u>Research Area 3</u>
East Field
14 acres
38.12356
-97.08346

Grower Application — DRAFT

- 5) Provide a list of all locations requested for registration by completing the tables below in parts a) Outdoor Research Areas and b) Greenhouses/Indoor Research Areas and/or Handling/Storage Locations. NOTE: Each location, whether it is an outdoor research area, a greenhouse or a handling or storage location, is considered to be a research area and must be included in one of the tables below. Attach additional page(s) as necessary.

a) Section Locations.

i. Indicate total acres or square feet planned for cultivation as identified in the tables below:

Acres: _____ OR Square feet: _____

ii. Enter the requested information for each research area within the RESEARCH SECTION in the table below.

iii. Attach maps of each address, including all required map information.

Research Section	Section Description (T##N, R##E, S##)	City	State	Zip	County	Own or Rent
			KS			
Indicate if this farm has multiple entrances: <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, number of entrances:						
	Location ID*		GPS: Latitude** Ex: 39.12345	GPS: Longitude** Ex: -96.12345		Acres
Research Area 1						
Research Area 2						
Research Area 3						



Grower Application — DRAFT

b) Greenhouse/Indoor Growing Locations.

i. Indicate total square feet planned for indoor growing as indicated in the tables below:

Square Feet: _____

ii. Indicate type of greenhouse production (check all that apply):

- Transplants only (either seeded or vegetative cuttings) or seasonal stock plants
- Stock plants, year round
- Year-round production with intent to harvest indoor plants
- Other (describe): _____

iii. Enter requested Greenhouses or Indoor Locations in the tables below.

NOTE 1: You MUST declare greenhouse production to legally grow in a greenhouse or indoor structure; those approved growers who attempt to grow indoors without declaring such usage shall be considered growing at an unapproved location and be in violation of their license.

NOTE 2: Each greenhouse, building or structure in which industrial hemp is grown, cultivated or stored shall be considered a separate research area.

NOTE 3: Any container plants outside a registered growing structure are considered field production and MUST be registered on the license as a field and comply with all field production restrictions.

NOTE 4: Hydroponic research growers must fill out the section below.

iv. Attach maps of each address, including all required map information.

Greenhouse/ Indoor Location	Greenhouse/Indoor Address		City	State	Zip	County	Own or Rent
	Location ID*	Type of Structure ⁺	GPS: Latitude** Ex: 39.12345	GPS: Longitude** Ex: -96.12345	Square Feet		
Structure 1				KS			
Structure 2							

Grower Application — DRAFT

- 6) Have you ever been convicted of a drug-related felony within the last ten (10) years? Yes No
If “Yes,” provide dates and details about the conviction(s) that have occurred.

Grower Application — DRAFT

II. Acknowledgments

Read each of the acknowledgment statements below and check “Yes” or “No” to indicate your understanding and acceptance of each statement. Failure to indicate acknowledgement to any of the statements below may result in your application being denied.

- 1) I acknowledge that my application, the \$200 nonrefundable application fee, and all attachments must be received no later than March 1, 2019. Email submissions will not be accepted because payments for the application fee must be attached to the application. Failure to pay the required fees, submit required notifications to KDA Plant Protection Staff or obtain any necessary written approvals or permissions in advance may result in disciplinary action, up to expulsion from the program and the destruction of industrial hemp materials without compensation. In addition to the application fee, once my application is conditionally approved, a \$1,000 license fee shall be paid before my license will be issued.
 Yes No
- 2) I acknowledge that I have submitted a background check with the Kansas Bureau of Investigation (KBI) prior to but not exceeding 30 days before submission of this application.
 Yes No Date submitted: _____
- 3) I acknowledge that KDA is not responsible for missing information on the application or applications lost in the mail or not received. The written responses on this application and attachments will be the sole source of information under consideration for potential participation in the Kansas Industrial Hemp Research Program; KDA is not obligated to ask follow-up questions during the application review process.
 Yes No
- 4) I acknowledge that one or more maps of all research areas and GPS coordinates of the location(s) to be used to cultivate, grow, harvest, or store industrial hemp must be submitted with this application.
 Yes No

Grower Application — DRAFT

- 5) I acknowledge that this is a selective process and not every application will be approved for participation, I will, however, be notified whether or not I am approved for a license.
 Yes No
- 6) I affirm that, as the Primary Applicant, I reside in Kansas at the primary residence listed on the Grower License Application.
 Yes No
- 7) I acknowledge that all licensees must have their license in their possession at all times and, upon request from KDA staff, KBI or state or local law enforcement officers, all licensees must immediately produce their Grower License for inspection and that my license number must be posted at each approved research area.
 Yes No
- 8) I agree that my licensed research areas shall only be used to grow or store industrial hemp and shall not be used to grow or store unlawful plants of the genus cannabis (cannot have a delta-9-tetrahydrocannabinol concentration of more than 0.3% on a dry weight basis), that all industrial hemp or other plants of the genus cannabis with a THC level over 0.3%, and materials found to be grown or stored in unlicensed locations, and/or any other violation of the laws and regulations, will be destroyed at my expense and I waive any right to seek compensation for such plants or materials from the KDA.
 Yes No
- 9) I acknowledge that my name and all growing, handling and storage locations will be conveyed to the KBI, the federal Drug Enforcement Agency (DEA) and other law enforcement agencies. In addition, my name and the locations of my licensed research areas will be released to the public.
 Yes No

Grower Application — DRAFT

- 10) I affirm that, if I am granted a grower license, I shall not allow persons not listed on my license to grow under my license in lieu of their own application to the Kansas Alternative Crop Research Program.
- Yes No
- 11) I accept the inherent risk associated with participation in a research program focusing on a new crop. I acknowledge that both personal and financial loss may be possible and agree that KDA is not responsible for reimbursing or compensating any participant for any loss resulting from involvement with the Kansas Industrial Hemp Research Program.
- Yes No
- 12) I acknowledge that grower participants are required to reapply on an annual basis and all participants, be they growers, distributors or processors, must annually complete a program application, pay all required annual program fees and submit to a background check. Past participation does not guarantee or imply automatic approval for future participation.
- Yes No
- 13) I consent that, if approved for participation, KDA staff, KBI, and other representatives of federal, state and local law enforcement agencies and drug suppression units may enter onto all premises where industrial hemp or other plants of the genus cannabis or materials are located, or licensed to be located, and may inspect and collect samples from all research areas, buildings, structures or greenhouses with or without cause, with or without advance notice or any of the licensees being present.
- Yes No

Grower Application — DRAFT

14) I agree to post at least one sign along each boundary of each research area that is adjacent to a public road, except that if a research area is adjacent to an intersection of two or more public roads, then I agree to post a sign at the intersection. If a research area is not adjacent to any public roads, I will post a sign at the point of access to the research area. Each sign I post will measure no less than 36 inches per side, shall be clearly visible and be legible from the adjacent public road, intersection of public roads or access point to the research area, and shall include the following information: The statement, "Kansas Department of Agriculture Industrial Hemp Research Program"; the Primary License holder's name; my license number; and KDA's telephone number (785-564-6700).

Yes No

15) I recognize that outside of the Kansas Industrial Hemp Research Program, industrial hemp is listed under 21 U.S.C. § 801 *et seq.* as a Schedule I Controlled Substance. As such, it is illegal to grow or otherwise possess industrial hemp plants, plant parts or seeds in Kansas outside the auspices of the program. If selected for participation in the program and my license is terminated or expires, I will no longer be allowed to possess industrial hemp in any form. Unless current federal law changes, I will be required to either harvest or destroy all industrial hemp plants, plant parts, grain or seed by the expiration or termination of my license.

Yes No

16) I acknowledge that the signed grower license constitutes written consent by all of the applicants to abide by the Alternative Crop Research Act (K.S.A. 2-3901 *et seq.*), and all rules and regulations promulgated therefrom, and will abide by all other requirements of the Kansas Industrial Hemp Research Program, including to conduct my proposed research project, timely submission of all required reports and attachments and allow KDA representatives access to any research location as deemed necessary by KDA for evaluation, verification of compliance and progress of industrial hemp research.

Yes No

Grower Application — DRAFT

III. Attachments

Check all attachments below that you are submitting with this application. In addition to those listed, attachments may include extended answers to any question in the application or other supporting documents. If the attachment is supplementary information to a question in this form, be sure to 1) include the question number on the document; and 2) start each new question attachment on a new page.

- REQUIRED: Application Fee: Check or Money Order for \$200 made payable to Kansas Department of Agriculture.
- REQUIRED: Copy of Driver's License for the primary applicant.
- REQUIRED: Maps of farm, greenhouse/indoor growing structures, and handling/storage locations (including applicant name, site address, location ID, and GPS coordinates).
- REQUIRED: Research proposal
- Other Attachment 1 (describe): _____
- Other Attachment 2 (describe): _____

Grower Application — DRAFT

I hereby verify and affirm that all of the information contained in this application is true and accurate. I understand that if KDA later determines any of this information to be inaccurate, the license may be withheld or terminated.

Signature of Applicant

Date

Printed name

Title, if applicable

Deadline: Applications must be submitted no later than March 1, 2019.

KDA is not responsible for missing information due to formatting or printing errors on the user end.

KDA is not responsible for applications lost in the mail or not received.

KDA is not required to request additional information for clarity of the application.

Licensees are solely responsible for reading, having knowledge of, and complying with the statutes and regulations pertaining to the participation in the Industrial Hemp Research Program.

Mail completed application, the nonrefundable application fee and all attachments to:

Kansas Department of Agriculture
Industrial Hemp Research Program
1320 Research Park Drive
Manhattan, Kansas 66502



Evaluation Form — DRAFT

Part 1: Application Evaluation				
(Completed by KDA)				
Applicant Name:				
Application submitted by deadline? <input type="checkbox"/> Yes <input type="checkbox"/> No				
Application Fee Received? <input type="checkbox"/> Yes <input type="checkbox"/> No				
Focus: <input type="checkbox"/> Grain <input type="checkbox"/> Fiber <input type="checkbox"/> Floral Material <input type="checkbox"/> Replication-Seed <input type="checkbox"/> Replication-Transplants <input type="checkbox"/> Other _____				
Does applicant or family member of applicant work at Kansas Department of Agriculture (KDA)? <input type="checkbox"/> Yes <input type="checkbox"/> No				
If "Yes," KDA employee to sign Conflict of Interest Statement: _____				
Yes	No	N/A	All Criteria must be met for conditional approval.	Comments
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1) If previous License Holder, has submitted required reports.	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2) Has demonstrated a willingness to comply with KDA's rules, instructions from KDA staff and instructions from KBI and other law enforcement agencies.	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3) Applicant is in good standing with other KDA programs.	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4) Applicant's primary residence is in Kansas.	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5) Completed accurate description of each individual licensed for transport with accurate vehicle identification.	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6) Proposed growing and storage locations comply with land use restrictions. <input type="checkbox"/> Not owned by or leased from any person who is ineligible or was terminated/denied from program <input type="checkbox"/> Not in or within 50 ft of residence <input type="checkbox"/> >1/4 mile from school(s)/public recreation area(s)	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7) Background check has no drug-related felony convictions. (KBI background check)	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8) Maps and all other required attachments present and complete	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9) Completed application with all affirmations checked, acknowledgments checked and required attachments.	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10) Has not made any false statements or representations to KDA or law enforcement.	
Special attributes / Other notes:				



Evaluation Form — DRAFT

Part 2: Research Plan Evaluation

(completed by State Advisory Board)

Scoring scheme:

- 3 points = Strong
- 2 points = Average
- 1 point = Weak
- 0 points = Unacceptable
- N/A = Not Applicable

Yes	No	N/A	All Criteria must be met for conditional approval.	Score	Comments
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1) Provides research plan that complies with state and federal law and KDA policy.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2) Clearly identifies research plan and objective.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3) Describes in detail the research hypotheses.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4) Provides a thorough description of intended data collection and how it will be measured.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5) Identifies a detailed timeline for the duration of research conducted.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6) Outlines a clear experimental design.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7) Identifies implementation plans and methods for observation and record keeping.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8) Outlines methods for data analysis, interpretation and drawing conclusions.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9) Demonstrates knowledge of anticipated results from research.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10) Outlines management techniques and/or environmental factors impacting THC levels.		

Evaluation Form — DRAFT

Yes	No	N/A	All Criteria must be met for conditional approval.	Score	Comments
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11) Provides detailed evaluation of crop establishment techniques.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12) Develops a baseline of conditions before the project begins		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13) Explains post-harvest impacts and the impacts of soil type, pH and nutrient levels on crop.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14) Provides clear economic analysis of production techniques and methods researched.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15) Describes clear use of pest and weed control systems and an overview of crop tolerance to residual herbicides.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16) Develops a collaborative plan with processors and distributors.		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17) Explains post-harvest management considerations including grazing stubble, residue maintenance, impacts of habitat and management of volunteer hemp.		
Total Score:					
Special attributes / Other notes:					

_____ Alternative Crop Research Pilot Project Advisory Board Member	_____ Date
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Potential Business Opportunities



Distributor

- Distribute, transport, condition, handle, store, seed sales



Types of Processors

- **Fiber processor**
 - Biomass
 - Building materials, fabrics, animal bedding, injected molds, plastics



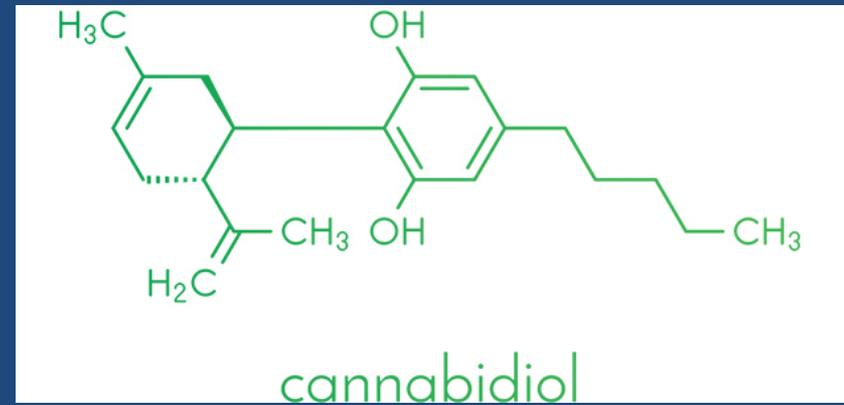
Types of Processors

- Grain processor
 - Hemp seed oil, hulled seed, hemp protein, hemp fiber



Types of Processors

- Floral processor
 - Cannabidiol (CBD) products



Licensing Guide

✓	Department	Description	Renewal
	Office of the Secretary of State www.kssos.org	Complete the appropriate business entity filings and forms required by the Kansas Secretary of State. Call (785) 296-4564 for more information.	Prior to starting
	Department of Revenue www.ksrevenue.org	Visit the Department of Revenue website to find important business tax information . Call (785) 368-8222 for more information.	Prior to starting
	Department of Agriculture —Plant Protection and Weed Control www.agriculture.ks.gov	<p>Individuals who would like to be considered for participation in the Kansas Industrial Hemp Research Pilot Program must complete and submit a Grower License Application, Distributor License Application and/or a Processor License Application. (hyperlinks to be added later)</p> <p>Individuals who would like to be considered for participation in the Kansas program as a State Educational Institution must complete and submit the State Educational Institution License Application. (hyperlink to be added later)</p> <p>The KDA Industrial Hemp Research Pilot Program involves research that will promote the development of the future commercial production of industrial hemp. Each program applicant must submit a project research plan to be approved to become part of the KDA pilot program.</p> <p>For more information, review the Industrial Hemp webpage or call (785) 564-6698.</p>	March 1, 2019
	Kansas Bureau of Investigation www.kansas.gov/kbi/	Before conditional approval will be granted, each individual listed on the application must be fingerprinted and submit to a state and national criminal history record check, which shall be performed by the Kansas Bureau of Investigation (KBI). The criminal history record check must be received and reviewed by KDA. Applicants must submit to a criminal history record check no more than 30 days prior to submitting their research license application to the department.	
	Kansas Crop Improvement Association (KCIA) www.kscrop.com	<p>Kansas Crop Improvement Association (KCIA) is the official state certification agency for the certification of seeds or other plant parts for the use of plant propagation. For more information, visit the KCIA website or call (785) 532-6118.</p> <p>Only certain varieties of industrial hemp may be cultivated, planted, grown, handled, harvested, stored, distributed, transported or processed in this state in accordance with the Industrial Hemp Research Program. For more information, review the Approved Varieties of Industrial Hemp for Planting.</p>	



Questions?

Compliance Education

Dana Ladner

785-564-6660

Dana.Ladner@ks.gov

Agribusiness Development

Abby Works

785-564-6757

Abby.Works@ks.gov

Plant Protection and Weed Control

785-564-6700

kda.industrialhemp@ks.gov