

Industrial Hemp Program

JULY 31, 2019, 1:30 P.M.

STANISLAUS COUNTY AGRICULTURAL COMMISSIONER

Topics

- California Industrial Hemp Law and related regulations
- Stanislaus County Ordinance (County Code 6.85)
- Pre-harvest report
- Sampling procedures
- Testing procedures
- Harvest report
- Destruction plan
- Fees
- Early feedback on pilot program
- Industrial hemp ordinance considerations going forward
- Industrial hemp Symposium Committee formation and topics
- Future meetings

Industrial Hemp Update

Stanislaus County:

- 27 Registered industrial hemp growers
- 4 Registered seed breeders
- 29 Licenses
- 256.35 acres
- 18 acres - EARL (exempt from registration)
- 274.35 total industrial hemp acres

Statewide: (As of July 18, 2019)

- 12,100 acres
- 192 registered growers/seed breeders

Laws and Regulations under review

California Industrial Hemp Law

FAC Div. 24

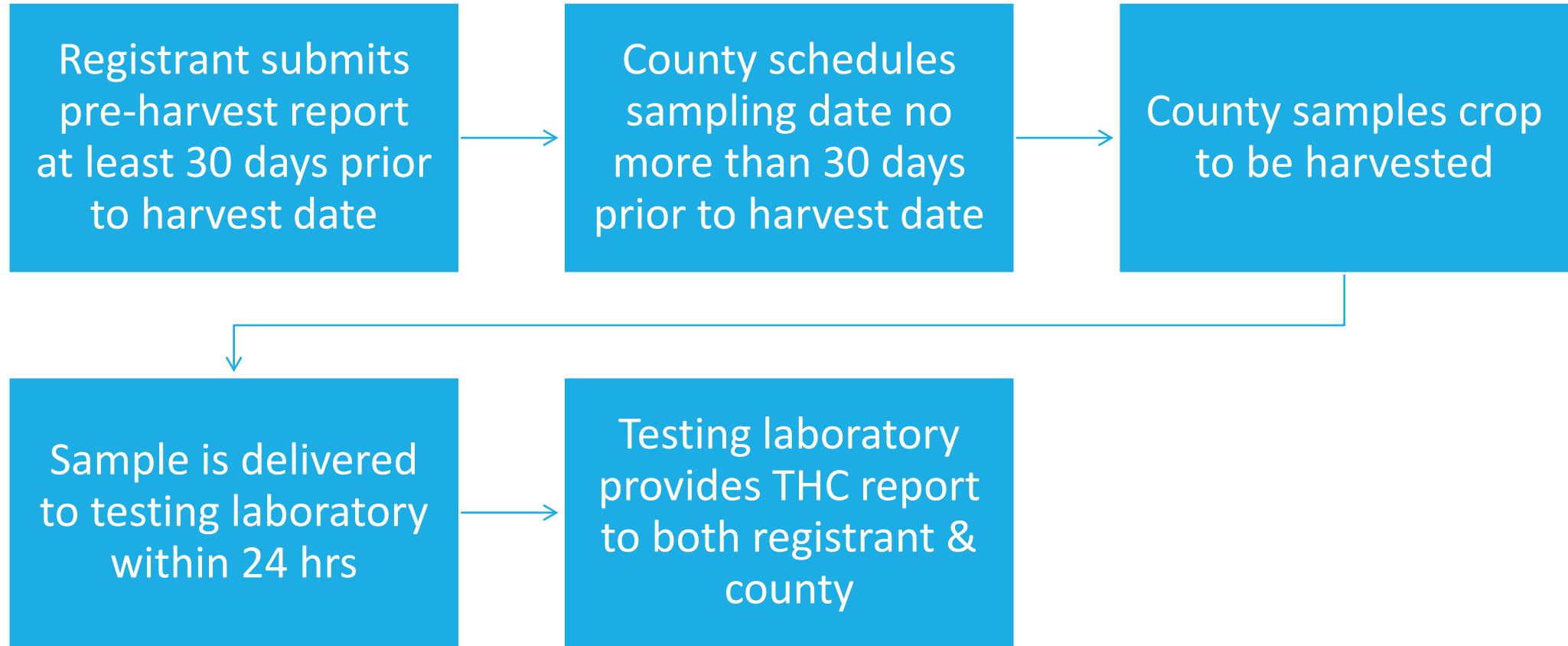
- *Requires grower and seed breeders register with CAC*
- *Requires THC testing before harvest*
- *Exempts EARIs from registration and testing*
- *Requires adequate signage*



County Ordinance (County Code Chp. 6.85)

- *County License Required: Pertains to Growers/Seed Breeders only*
- *12 acre - maximum planting*
- *10 acre - minimum parcel size*
- *A2-zoning (General Agricultural)*
- *Outside Sphere of Influence of any city*
- *Outside Urban Transition designation of any city*
- *Expires May 1, 2020*

Overview of the Sampling & Testing Process



Pre-Harvest Report

Pre-harvest report will notify the county of an anticipated harvest date.

The pre-harvest report must be submitted at least 30 days prior to the harvest date.

Registrant must notify the county of any changes to the pre-harvest report at least 5 calendar days prior to the scheduled sampling date.

Any changes to the anticipated harvest date may require additional testing prior to harvest.

Pre-harvest report will be reviewed and confirmed prior to scheduling sampling date.

PRE-HARVEST REPORT

REGISTRANT INFORMATION

Registrant Name:	Business Name:	<input type="checkbox"/> Same as Registrant	Registration #:
Mailing Address:	City:	State:	Zip:
Primary Contact Name:	<input type="checkbox"/> Same as registrant	Phone Number:	Email (optional):

CULTIVATION SITE / CULTIVAR INFORMATION

You must notify the county of any changes to the information provided no less than 5 days prior to schedule and sampling date.

Anticipated Harvest Date(s):	County:	Please Select	
Physical Address:	City:	Zip:	Portion of Cultivation Site to be Harvested:
Global Positioning System (GPS) coordinates (Coordinates should be from the approximate center of the growing area)	Latitude:	Longitude:	Size:
			<input type="checkbox"/> Acres <input type="checkbox"/> Square Feet
			<input type="checkbox"/> Whole <input type="checkbox"/> Partial
General Description:			
APPROVED SEED CULTIVAR(S) TO BE HARVESTED			

APPROVED TESTING LABORATORY INFORMATION

<input type="checkbox"/> Laboratory Sample Analysis Request Form with Chain of Custody Information Attached			
Name:			
Address:	City:	State:	Zip:
Phone:	Email (optional):		

SEND THIS REPORT TO:

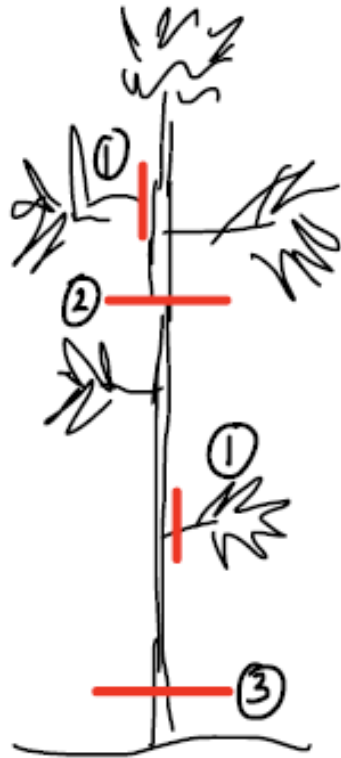
County of Please Select
Agricultural Commissioner's Office

Signature

Date

Sampling Activities

- County:
 - Schedule sampling date via phone with follow-up E-mail (preferred)
 - Collect sample
 - Provide sampling bags
 - Currently evaluating shipping containers
- Registrant:
 - Required to be present during sampling
 - Registrant supplies sample analysis forms with chain of custody information (provided by laboratory)
 - Registrant will deliver sample to shipper, courier or lab



Sampling Activities

- One (1) composite sample per cultivar within each contiguous field (indoor and outdoor are separate)
- Composite sample consists of at least 5 primary samples from different plants
- Primary sample:
 - **1st Option:** *If two or more lateral branches are present, the terminal 18 inches of the top lateral branch and terminal 18 inches of one lateral branch from the lower one-third of the plant. If any branch is less than 18 inches, the whole branch shall be taken.*
 - **2nd Option:** *If two lateral branches are not present, the terminal 18 inches from the terminal bud at the top of the plant.*
 - **3rd Option:** *If the plant is less than 18 inches tall, the whole plant shall be taken.*

Sample Prep & Delivery

- County seals sample bags with security seals
- Bags are labeled with the following information:
 - Date
 - Name of registrant and sampler
 - Signatures from registrant and sampler
 - Unique sample ID number
- Attach to bags:
 - Pre-harvest report
 - Proof of registration
 - Seed certification documentation for cultivar used
 - THC testing report for each certified cultivar used (if applicable)
 - Sample analysis request form with chain of custody information (provided by testing laboratory)
- County instructions to laboratory placed inside security sealed shipping box with samples
- Sample must be delivered to testing laboratory within 24 hours of collection (Registrant)
- Laboratory shall sign and provide copy of sample analysis request form to registrant and county

Approved Laboratory

- Ag Commissioner surveying laboratories for credentials and ability to service Stanislaus County

- Department-approved laboratory – 3 CCR Section 4943(a):

Testing of industrial hemp for THC content shall be conducted by a laboratory with International Organization for Standardization (ISO) / International Electrotechnical Commission (IEC) 17025 accreditation using a validated method for total THC analysis.

- THC – 3 CCR Section 4944(b)(11):

A post-decarboxylation value or a calculated value using a conversion formula of delta-9-THC and eighty-seven and seven tenths (87.7) percent of THC-acid, on a dry weight basis

$$\text{TOTAL THC} = \Delta 9 \text{ THC} + (\text{THCA} \times 0.877)$$

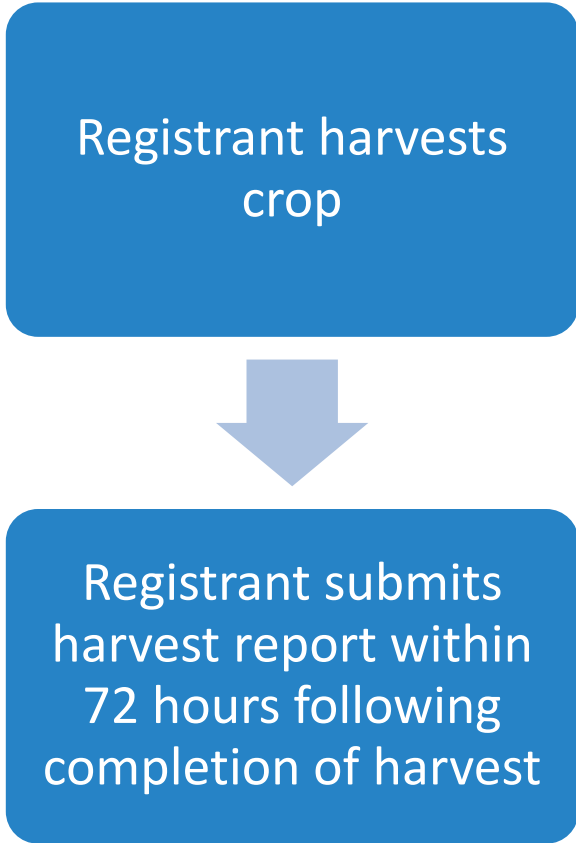
- Approved analytical instrumentation – 3 CCR Section 4942(b):

- *Gas chromatography with flame ionization detector*
- *Gas chromatography coupled with mass spectrometry*
- *Liquid chromatography coupled with mass spectrometry*
- *Liquid chromatography coupled with ultraviolet detector*

Laboratory Test Report

- Laboratory will provide registrant and commissioner copies of test report within 10 days of sample collection.
- The laboratory test report shall include:
 - (1) registration number,
 - (2) unique sample identification number,
 - (3) name and contact information of the registrant
 - (4) name of the sampler,
 - (5) dates of the sample collection and testing,
 - (6) name of the cultivar tested,
 - (7) physical address, Global Positioning System coordinates, general description of the location, and acreage of the field sampled,
 - (8) name of approved analytical instrumentation used and the limit of quantification (LOQ),
 - (9) name of the person receiving the sample,
 - (10) name of the person testing the sample,
 - (11) percentage content of THC, a post-decarboxylation value or a calculated value using a conversion formula of delta-9-THC and eighty-seven and seven tenths (87.7) percent of THC-acid, on a dry weight basis.
 - (A) If the laboratory test report indicates a percentage content of THC that is **equal to or less than three-tenths of 1 percent**, the words "**PASSED** AS CALIFORNIA INDUSTRIAL HEMP" shall appear at or near the top of the page.
 - (B) If the laboratory test report indicates a percentage content of THC that is **greater than three-tenths of 1 percent**, the words "**FAILED** AS CALIFORNIA INDUSTRIAL HEMP" shall appear at or near the top of the page.

THC Content Equal to or Less Than 0.3%



State of California
DEPARTMENT OF FOOD & AGRICULTURE
Pest Exclusion/Nursery, Seed, and Cotton Program
Rev. 07/19



HARVEST REPORT

REGISTRANT INFORMATION

Registrant Name:	Business Name:	<input type="checkbox"/> Same as registrant	Registration #:
Mailing Address:	City:	State:	Zip:
Primary Contact Name:	Phone Number:	Email (optional):	
<input type="checkbox"/> Same as registrant			

HARVESTED CULTIVATION SITE/CULTIVAR INFORMATION

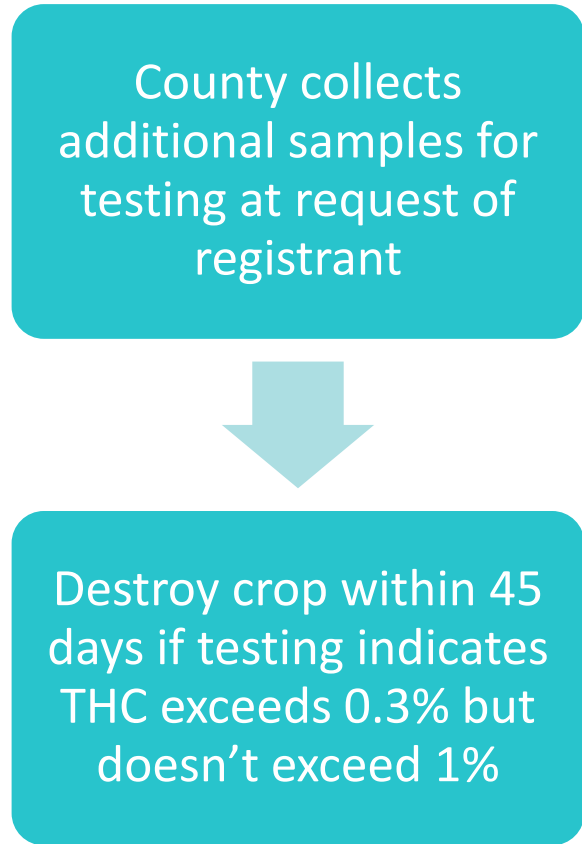
Harvest Start Date:	Harvest End Date:	County:	Zip:
		Please Select	
Physical Address:			Zip:
Global Positioning System (GPS) coordinates (Coordinates should be from the approximate center of the harvested cultivation site)			Size: <input type="checkbox"/> Acres <input type="checkbox"/> Square Feet
Latitude:	Longitude:		
General Description:			
APPROVED SEED CULTIVAR(S)			
Name:	Sampling ID #:	THC Content (%):	

SEND THIS REPORT TO:

County of Please Select
Agricultural Commissioner's Office

Signature _____ Date _____

THC Content Greater than 0.3% but does not exceed 1%



THC Content Greater Than 1%

Registrant submits destruction plan at least 24 hours prior to start of destruction



County reviews and approves proposed destruction plan



Crop destruction
(48 hours to start – 7 days to complete)



County confirms destruction

DESTRUCTION PLAN

GROWER INFORMATION

Grower Name:	Business Name:	Registration #:	<input type="checkbox"/> None
Mailing Address:	City:	State:	Zip:
Phone:	Email:		

DESTRUCTION SITE / CULTIVAR INFORMATION

Anticipated Destruction Start Date:	Anticipated Destruction End Date:	County:	Please Select
Physical Address:		City:	Zip:
Global Positioning System (GPS) coordinates (Coordinates should be from the approximate center of the destruction area)			Size:
Latitude:	Longitude:	<input type="checkbox"/> Acres <input type="checkbox"/> Square Feet	

SEED CULTIVAR(S)		
Name:	Sample ID #:	THC Content (%):
	<input type="checkbox"/> No Sample #	<input type="checkbox"/> No THC Testing Completed
	<input type="checkbox"/> No Sample #	<input type="checkbox"/> No THC Testing Completed
	<input type="checkbox"/> No Sample #	<input type="checkbox"/> No THC Testing Completed

PROPOSED CROP DESTRUCTION METHOD:

SEND THIS PLAN TO:

County of Please Select
Agricultural Commissioner's Office

Signature

Date

Fees

- Registration:
 - \$900 Per registration
 - Fee covers: registration review, issuance, amendments, site inspections, outreach
- County Industrial Hemp License:
 - No Fee
- Sampling and Destruction:
 - Weighted labor rate - \$68.00 per Inspector/per hour of inspection and travel time
 - Minimum one-quarter hour travel, one-half hour inspection per Inspector
 - Estimated sampling time is 2 hours with two Inspectors (inspection prep, travel, sampling, sample prep)
 - Destruction time - unknown

Early Feedback on Pilot Program

- Registration process?
- Obtaining plant material?
- Public perception?

Industrial Hemp Ordinance

Considerations Going Forward

- What would you what changed?
- What would you included?

Industrial Hemp
Symposium
Committee & Topics

- Survey Feedback
- Industry Committee

Processing (extraction, drying, milling)

Product distribution

End Market

Genetics

Law enforcement

Packaging

Regulatory

Research & Development

Future Meetings

- Post-harvest
- County ordinance discussion
- Symposium planning

Resources & Contact Info:

Agricultural Commissioner Information:

Phone: (209) 525-4730

Fax: (209) 525-4790

Email: Agcom50@stancounty.com

Industrial Hemp Webpage: <http://www.stanag.org/industrial-hemp.shtm>

(Forms, Ordinance, Links to CDFA webpage)

CDFA Information: (Registration application, laws and regulations)

CDFA Webpage: <https://www.cdfa.ca.gov/plant/industrialhemp/>