

1

### **Training Module**



- The purpose of this webinar is to provide an overview of the Hemp APH Insurance Program for the 2020 crop year to Approved Insurance Providers.
- We will cover content from the:
  - Crop Provisions (CP);
  - Special Provisions (SP);
  - Crop Insurance Standards Handbook (CISH); and
  - Loss Adjustment Standards Handbook (LASH).

The content of this webinar does not supersede policy provisions and is for informational purposes only.

For Training Purposes Only

# History of Program



- Agricultural Act of 2014 (aka 2014 Farm Bill) allowed legal pilot research programs to be administered by:
  - State Department of Agricultures; or
  - Universities.
- Agricultural Act of 2018 (aka 2018 Farm Bill)
  - Removed hemp from schedule I of Controlled Substance Act;
  - Blocked prohibition of interstate transportation;
  - Provided hemp may be grown under:
    - A valid license;
    - A USDA-approved State or Tribal plan; or
    - The 2014 Farm Bill (2020 CY only).

For Training Purposes Only

73

2

# U.S. Industrial Hemp Industry



	<u>Year</u>	<u>Vote Hemp</u>	USDA FSA	# States
30	2015	4k ac.	1.5k ac.	4
	2016	10k ac.	4k ac.	15
	2017	26k ac.	10k ac.	19
	2018	78k ac.	32k ac.	23
	2019	230k ac.	146k ac.	37
		For Tarinian Domeston Oak		4
		For Training Purposes Only		

1

### Program Developer



#### AgriLogic Consulting (Program Developer)

- Agricultural economic and insurance consulting firm
- Over 250 years combined experience in crop insurance program development, expert review, and administration
- Successful track record of developing and maintaining a broad array of sound risk management tools and insurance programs to the American agricultural producer

#### Major Contributing Organizations:





For Training Purposes Only

# Challenges to Program Development



- Multiple end uses
- Evolving industry with experimental:
  - Varieties
  - Production practices
  - Harvest and drying methods
- Lack of standardization within the industry & regulators
- Availability of data used to establish:
  - Rates
  - County T-yields
  - Prices



Hemp Crop Insurance Program



- Actual Production History (APH)
  - Yield-based crop insurance program
  - Covers reduced yield due to covered perils
  - Coverage for standard list of perils
- Category B crop
- Program design resembles those currently offered for similar crops with multiple end-uses (i.e. corn & sunflower)



# Hemp Crop Insurance Program



#### Objective:

- · Achieve a stable base crop insurance program to address majority of natural causes of loss.
- Can be enhanced as commercial hemp industry develops.



### **Program Dates**



• Sales Closing & Cancellation: 3/15/20

(Extended Feb. 28th SCD Counties for 2020 CY Only)

Termination: 2/28/21 or 3/15/21

(Same as other Spring Crops)

Production Reporting: 4/29/20

(Extended Feb. 28th SCD Counties for 2020 CY Only)

6/15/20 to 7/20/20 · Final Planting Date:

(Specific by Region & Type)

Acreage Reporting: 8/15/20 Premium Billing: 10/1/20 End of Insurance Period Date: 10/31/20 11/30/20 Contract Change Date:

### Acreage Reporting Date (ARD)



6(a)(2) of the Basic Provisions (BP) allows for the extension of ARDs for all crops with final planting dates (FPD) on or after 12/31 but before 8/15 to the latest ARD.

The hemp ARD of 8/15 is not considered when determining the latest ARD.

**Example**: Producer insures corn, soybeans & hemp, all with FPDs between 12/31 and 8/15. The ARD for:

- Corn & soybeans will be 7/15.
- Hemp will be 8/15.

For Training Purposes Only

11

11

### Hemp Definition – Crop Provisions



#### **Crop Provisions Definition:**

The plant species Cannabis sativa L. and any part of that plant, including the seeds thereof and all derivatives, extracts, cannabinoids, isomers, acids, salts, and salts of isomers, whether growing or not, with a delta-9 tetrahydrocannabinol concentration of not more than 0.3 percent on a dry weight basis.

For Training Purposes Only at to Supersede Published Police

#### Hemp Definition – SP Statement



#### Special Provision (SP) Statement:

In accordance with the definition of hemp and section 10(b)(1) contained in the Hemp Crop Provisions, the maximum acceptable hemp THC level will be the lesser of:

- 1) 0.3 percent, allowing for the measurement of uncertainty provided by the testing laboratory; or
- the acceptable level of the applicable governing authority (State or Tribe) in which the insured crop is grown, allowing for the measurement of uncertainty provided by the testing laboratory.

Cont'd.

For Training Purposes Only
Not to Supersede Published Police

13

13

### Hemp Definition – SP Statement



The maximum acceptable hemp THC level and measurement of uncertainty are established in accordance with the Agriculture Improvement Act of 2018, with Agricultural Marketing Service Interim Final Rule 84 FR 58522 and any subsequent regulations, and with any other applicable Federal regulations. If the test results provided by the testing laboratory do not include a measure of uncertainty, the measurement of uncertainty will be considered zero percent (0.000%). Any production exceeding the maximum acceptable THC level will be considered lost due to an uninsured cause of loss.

For Training Purposes Only

#### **Important Definitions**



- Governing authority A state or tribal governing agency or other Federal government agency (excluding the Farm Service Agency) with authority to permit the production of hemp.
- Harvest The combining or threshing of the insured crop for grain or cutting the insured crop for fiber or CBD. A grain crop which is swathed prior to combining or a fiber crop cut for the purpose of retting and not baled will not be considered harvested.
- Retting The process for separating the different fibers of the hemp plant and involves leaving the crop in the field to allow decomposition.

For Training Purposes Only

15

15

### 2020 Types & Practices



Туре	Practices			
	Transplant	Floral <sup>1</sup>		
CDD		Whole Plant²	Irrigated	
CBD	Direct Seeded	Floral <sup>1</sup>	Irrigated Organic Certified Irrigated Organic Transitional	
		Whole Plant²	irrigated Organic Transitional	
Fiber			Non-Irrigated Non-Irrigated Organic Certified	
Grain			Non-Irrigated Organic Transitional	

#### SP Statement:

<sup>1</sup>Floral means CBD biomass consisting of all parts of the hemp flower. <sup>2</sup>Whole plant means CBD biomass consisting of all parts of the hemp plant including the stalks, stems, leaves and flowers.

For Training Purposes Only
Not to Supersede Published Policy

Ь

# **Coverage Levels**



- Coverage Levels from 50% to 75%.
- Separate coverage levels by type allowed if elected on the application by the SCD.
- CAT available (50% coverage @ 55% price). If elected, will apply to all types.
- Coverage Level by Irrigation Practice (LP) not available rate factor **not** provided in actuarial documents.



17

#### **Established Price**



Use of contract prices not allowed.

- Crop Provisions do **not** provide for use of contract prices.
- Contract Price Code in actuarial documents is "No" for all types/practices, precluding the use of the Contract Pricing Addendum (CPA).



#### **Unit Structure**



- In accordance with the Basic Provisions with the exception of Whole Farm Units which are excluded.
- The following will **not** be available (no rate factors):
  - EU by irrigation practice; or
  - Multi-county EU.
- Written Unit Agreements (WUA) are not allowed as CP does not allow for written agreements.



19

### **Unit Structure**



- Enterprise Units all acres of hemp in the county and must meet 20/20 planting requirements.
- Basic Units by share arrangement.
- Optional Units Basic units divided into smaller parcels by:
  - Section;
  - Section equivalents;
  - Farm Number (FN);
  - Unit Division Option (UDO) for section equivalent purposes;
  - Irrigation and/or Organic practice (Availability depends on Location)

4

For Training Purposes Only Not to Supersede Published Policy

#### **Covered Causes of Loss**



- Adverse Weather Conditions (excess moisture, hail, wind, etc.);
- Fire (e.g. lightning);
- Insects (but not damage due to insufficient or improper application of pest control measures);
- Plant disease (but not damage allowed because of insufficient or improper application of disease control measures);
- Wildlife;
- Earthquake;
- · Volcanic eruption; or
- Failure of irrigation water supply due to insurable causes.

21

#### Causes of Loss - NOT Covered



Will not insure loss of production due to:

- Levels of THC in excess of 0.3% except as specified in the SP;
- Failure to follow requirements in processor contract;
- Harvested production infected by mold, yeast, fungus, or other microbial organisms after harvest;
- Inability to market due to quarantine, boycott, processor contract default, or refusal of processor to accept unless due to insurable cause of loss.

For Training Purposes Only of to Supersede Published Policy

# **Miscellaneous Policy Provisions**



- Crop Provisions (CP) do not provide for replant payments.
- CP Para. 13 eliminates:
  - Late Planting;
  - Prevented Planting; and
  - Written Agreements
- CISH Para. 36 removes quality adjustments (e.g. CBD concentration, grain size, etc.) with the exception of 15(j) of the BP (e.g. aflatoxin).

For Training Purposes Only

23

### **Insured Crop**



**<u>All</u>** hemp in the county grown on insurable acreage:

- In which grower has a share;
- That is an insurable type of hemp grown for production of industrial & consumer products;
- Grown under valid processor contract executed by ARD;



#### Insured Crop – Processor Contract



**Processor contract** – A legal written agreement executed between the producer and processor engaged in the production and processing of hemp containing at a minimum:

- The producer's promise to plant and grow hemp and to deliver all hemp to the processor;
- The processor's promise to purchase the hemp produced by the producer; and
- A base contract price, or method to derive a value that will be paid to the producer for the production as specified in the processor's contract

Multiple contracts with the same processor that specify amounts of production will be considered as a single processor contract unless the contracts are for different types of hemp.

Cont'd.

For Training Purposes Only

25

25

#### **Insured Crop** – Processor Contract



**Processor** – Any business enterprise regularly engaged in processing hemp that possesses all licenses and permits for processing hemp required by the applicable governing authority in the state in which it operates, and that possesses facilities, or has contractual access to such facilities with enough equipment to accept and process contracted hemp within a reasonable amount of time after harvest.

Cont'd.

26

For Training Purposes Only

#### **Insured Crop – Processor Contract**



A producer who grows and processes their crop (also referred to as a vertically integrated (VI) producer) may be insurable if the following conditions are met:

- The processor has an insurable interest in the hemp crop;
- The processor complies with the Crop Provisions;
- Prior to SCD, Board of Directors or officers adopt a corporate resolution containing the same terms as a processor contract.
   The resolution will be considered a contract; and
- AIP inspection determines the processing facilities comply with the definition of a processor.

Standard production record requirements for VI producers apply.

Cont'd.

For Training Purposes Only

27

27

### Insured Crop (cont'd.)



- Licensed & meets regulatory requirements of the governing regulatory authority;
- Planted for harvest as hemp in accordance with processor contract;
  - Contained in a list of approved varieties issued by the applicable governing authority;
  - Included in processor contract & not prohibited by the applicable governing authority; and
  - Not otherwise contained in a list of excluded varieties issued by the applicable governing authority.

Cont'd.

For Training Purposes Only

# Insured Crop (cont'd.)



- Meets policy minimum acreage requirements by type as stated in SP:
  - CBD types: 5 acres
  - Grain & Fiber types: 20 acres
  - On a type basis, not on a unit basis.

Туре	Practice	Location	Insurable Acres	Total Acres for Type	Type Meets Minimum?
CBD	Transplant Floral IR	5-2N-3W	1		
CBD	Direct Seeded Floral IR	18-2N-3W	3		
CBD	Direct Seeded Whole Plant NI	15-5S-6E	2	6	Yes
Grain	IR	23-2N-3W	10		
Grain	NI	1-5S-6E	8	18	No

For Train

For Training Purposes Only

29

# Insured Crop (cont'd.)



- Crop is Uninsurable if:
  - Planted for any purpose other than hemp;
  - Interplanted with another crop, excluding a cover crop. To qualify as a cover crop it must:
    - Meet the definition in the Basic Provisions;
    - Have been planted within the last 12 months; and
    - Be managed & terminated according to NRCS Cover Crop Termination Guidelines.
    - Refer to SP for additional requirements.

Cont'd.

30

For Training Purposes Only
Not to Supersede Published Police

### Insured Crop (cont'd.)



- Crop is Uninsurable if:
  - Planted into an established grass or legume; or
  - Planted in a confined space such as a greenhouse or other physical structure (no coverage for seedlings or clones until transplanted in the field);

Cont'd.

For Training Purposes Only

31

31

### Insured Crop (cont'd.)



- Evidence must be provided with the application that the insured or an SBI of the insured has produced hemp in any previous year. Acceptable evidence from Crop Insurance Standards Handbook (CISH) is limited to:
  - FSA records; or
  - THC testing records from governing authority if FSA record is not available.

For Training Purposes Only lot to Supersede Published Police

#### **Insured Acreage**



Acreage is uninsurable if the:

- Following crops were planted on the acreage in the previous crop year:
  - Cannabis, Canola, Dry Beans, Dry Peas, Mustard, Rapeseed, Soybeans<sup>1</sup>, or Sunflowers;
- Certification or license is terminated or suspended during crop year (all acreage considered uninsured, no premium or indemnity is due for any acreage of the crop); or
- Crop is damaged prior to FPD and not replanted when practical to replant.

<sup>1</sup>Soybeans may not be listed on all county Special Provisions.

For Training Purposes Only

33

33

### Insured Acreage – Special Provisions Agri



SP statement prohibits Following Another Crop (FAC) practice.

Insurance shall not attach or be considered to have attached to a planted crop on acreage from which, in the same calendar year:

- 1. A perennial hay crop was harvested; or
- 2. A crop (other than a cover crop) reached the headed or budded stage prior to termination, regardless of the percentage of plants that reached the headed or budded stage.

Termination means growth has ended. A cover crop is one that meets the criteria outlined in the Insurance Availability section of this Special Provisions of Insurance.

For Training Purposes Only

# **Acreage Reporting**



- Must report on or before Acreage Reporting Date (ARD):
  - Land identifier in 6(c) of Basic Provisions (e.g., legal description, FSA farm number or common land unit number if provided to you by FSA, etc.), including GPS coordinates; and
  - Official License or certification number.
- Must submit copies on or before ARD of:
  - Official Certification or license; and
  - Processor contract(s).



35

# **Actuarial Maps**



- Any acreage designated as high risk (AAA, BBB, etc.) will be uninsurable;
- Land flooded due to a breach in the levee resulting from prior year(s) flooding is uninsurable.



For Training Purposes Only

#### Production Records - CISH



#### CIH Changes/Additions:

- Para. 1415: Hemp (sold production) is added to the list of crops requiring verifiable records.
- Added Para. 1420: CBD Hemp farm stored production may be determined by authorized AIP or FSA personnel (no applicable pack factors).
- Para. 1431: Hemp (fed or farm stored grain and fiber) is added to list of crops for which farm management records are considered acceptable records.

For Training Purposes Only

37

37

#### Production Records - VI Growers



- Standard acceptable production record requirements for Vertically Integrated producers apply. If records from disinterested 3<sup>rd</sup> party are not available, VI producers may use:
  - Certified scale weight records; or
  - Tax records.
- Additional documentation may be required for VI insureds who process crop from other growers in addition to their own.

#### BFR / VFR



- All Beginning/Veteran Farmer and Rancher qualifications and benefits are available including:
  - Waiver of the administrative fee;
  - Additional premium subsidy; and
  - Use of another person's production history;
- The increase in the Yield Substitution (YA) percentage provided under BFR/VFR benefits is not applicable as YA is not available for hemp.

For Training Purposes Only

39

39

### **Approved Yield Determination**



- Unit of measure is dry pounds (lbs.) of:
  - CBD: floral material or whole plant
  - Fiber: stalksGrain: grain
- Minimum of 4 years, maximum of 10 years of history.
- APH databases with less than 4 years of actual yields will be established using variable T-yield procedures.
- New Producer procedures providing for 100% of the county T-yield in Part 17 do not apply.

4

For Training Purposes Only

# **Approved Yield Determination**



The following provisions from Part 15 & 17 of the Crop Insurance Handbook (CIH) are **excluded** by the Hemp CISH:

- Trend Adjusted APH (TA)
- Yield Substitution (YA)
- Yield Cup (YC)
- Yield Exclusion (YE)
- Yield Floor

41

# Approved Yield Determination



Any crop damage/loss due to THC concentrations in excess of acceptable levels is:

- · Considered an uninsurable cause of loss; and
- Recorded in the APH database as an actual yield of zero using an "A" yield descriptor.

42

For Training Purposes Only

# Approved Yield Determination



No Years of "Hot" Hemp					
Year	Production	Acres	Yield	Desc.	
2017	10,000	10	1,000	Α	
2017	20,000	20	1,000	Α	
2018	15,000	15	1,000	А	
2019	2019 25,000 25		1,000	Α	
Approved Yield			1,000		

1 Year of "Hot" Hemp					
Year	Production	Acres	Yield	Desc.	
2017	10,000	10	1,000	Α	
2017	20,000	20	1,000	Α	
2018	0	15	0	Α	
2019	25,000	25	1,000	Α	
Approved Yield			750		

For Training Purposes Only

43

#### **Duties in Event of Loss**



#### Insured:

- Must provide copy of license or certification;
- Must provide notice within 72 hours of suspension or termination of license or certification during the crop year; and
- Must provide notice within 72 hours of notification that the crop or harvested production exceeded the allowable THC level.

#### Another Use or Abandonment



If the insured intends to put the crop to another use, harvest is for a different type of practice (e.g. insured CBD

Floral to be harvested as CBD Whole Plant) or abandon the crop:

- They must notify the AIP;
- The AIP will appraise the crop and the appraised production will be:
  - Production to count for a claim, if applicable; and
  - Included in the APH database the following crop year (CY).
  - Will require representative samples if agreement can't be reached on appraised amount.

For Training Purposes Only

45

45

#### Insured Loss (Not Taking to Harvest)



In the event an insurable cause of loss damages the crop to the extent that it will not be taken to harvest, the AIP will determine an appraised yield that will be:

- The production to count for the claim; and
- Included in the APH database the following CY.

#### Insured COL (Not Taking to Harvest)



Appraisal Method	
Stand Reduction (Grain, Fiber, & CBD Direct Seeded)	<ul><li>Stand Reduction Charts</li><li>For Vegetative Stage Only</li></ul>
Stand Reduction (CBD Transplant)	- 1 for 1 Stand Reduction with Transplants
Plant Damage (All Insurable Types)	<ul><li>For Hail Only</li><li>Defoliation Charts</li><li>For Vegetative or Flower Stages</li></ul>
Seed Count (Grain)	- Seeds have reached maturity

For Training Purposes Only

47

#### Insured Loss (THC Known Prior to Harvest)



- If the crop is damaged during the insurance period by an insured cause of loss and the THC levels <u>are known prior</u> to harvest and are:
  - At or below acceptable levels, the harvested production will be:
    - The production to count for the claim; and
    - Included in the APH database the following CY.
  - Above acceptable levels, the insured must notify the AIP so the crop can be appraised.
    - The appraised yield will be the production to count; and
    - A zero yield will be recorded in the APH database using an "A" yield descriptor the following CY.
    - Failure to notify the AIP prior to destruction will result in destroyed without consent procedures.

For Training Purposes Only
Not to Supersede Published Police

#### Insured Loss (THC Known Prior to Harvest) Agril



Crop Damaged by Insured Cause of Loss During Insurance Period  (And Notice of Loss Was Timely Filed)  THC Results from Governing Authority Received Prior to Harvest						
THC Test Results Available:  THC Levels Are:  THC Levels Are:  Crop is:  Notified AIP of Intent to Harvest?  Production To Count for Claim:  Following CY APH Database Yield:						
Prior to harvest	≤ acceptable limit¹	Harvested	Not Required	Harvested production	Harvested Production	
Prior to harvest	> acceptable limit	Destroyed	Yes	AIP appraisal	Zero	
Prior to harvest	> acceptable limit	Destroyed	No	Production Guarantee (no indemnity due)	Zero	

For Training Purposes Only Not to Supersede Published Police

49

### Insured Loss (THC Unknown at Harvest)



- If the crop is damaged during the insurance period by an insured cause of loss and the insured intends to harvest the crop <u>prior to receiving the THC test results</u>, they must:
  - Notify the AIP who they may elect to inspect the crop; and
  - Receive consent from the AIP to harvest.
  - Failure to do so will result in destroyed without consent procedures only if the THC exceeds acceptable levels.

For Training Purposes Only lot to Supersede Published Police



- If the insured harvests the acreage <u>without</u> AIP consent and the crop tests at or below the acceptable THC levels, the harvested production will be:
  - The production to count for the claim; and
  - Included in the APH database the following CY.

For Training Purposes Only

51

51

### Insured Loss (THC Unknown at Harvest)



- If the insured harvests the acreage <u>without</u> AIP consent and the crop tests **above** the acceptable THC levels requiring destruction of the crop, the acreage is considered destroyed without consent and:
  - No indemnity will be due; and
  - A zero yield will be recorded in the APH database the following CY using an "A" yield descriptor.

For Training Purposes Only



- If the insured harvests the crop with AIP consent and the THC level is at or below acceptable levels, the harvested production will be:
  - The production to count for the claim; and
  - Included in the APH database the following CY.

For Training Purposes Only

53

53

### Insured Loss (THC Unknown at Harvest)



- If the insured harvests the crop with AIP consent and the THC level exceeds acceptable levels:
  - The harvested production will be the production to count for the claim; and
  - A zero yield will be recorded in the APH database the following CY using an "A" yield descriptor.



# Crop Damaged by Insured Cause of Loss During Insurance Period (And Notice of Loss Was Timely Filed) THC Results Not Received Prior to Harvest

THC Levels Are:	Disposition of Crop	Notified AIP of Intent to Harvest?	Production To Count for Claim:	Following CY APH Database Yield:
≤ acceptable limit	Harvested	Yes	Harvested production	Harvested production
≤ acceptable limit	Harvested	No	Harvested production	Harvested production
> acceptable limit	Harvested & Destroyed	Yes	Harvested Production <sup>1</sup>	Zero
> acceptable limit	Harvested & Destroyed	No	Production Guarantee (no indemnity due)	Zero

<sup>1</sup>Provided AIP is notified prior to destruction and able to determine the amount of production prior to destruction.

For Training Purposes Only

Not to Supersede Published P

55

### Insured Loss (THC Unknown at Harvest)



- If the crop is damaged during the insurance period by an insured cause of loss and the acreage is **not** required to be tested by the governing authority, the insured must:
  - Notify the AIP who may elect to inspect the crop; and
  - Receive consent from the AIP to harvest.
  - Failure to do so may result in destroyed without consent procedures if the THC exceeds acceptable levels.

For Training Purposes Only



Crop Damaged by Insured Cause of Loss During Insurance Period

(And Notice of Loss Was Timely Filed)

Not Required to be Tested by Governing Authority

Processor Rejects Production Due to THC Levels Above Acceptable Levels

Disposition of Crop	Notified AIP of Intent to Harvest?	Production To Count for Claim:	Following CY APH Database Yield:
Harvested	Yes	<ol> <li>3<sup>rd</sup> Party Production Record, then</li> <li>Pre-Harvest Appraisal, then</li> <li>Production Guarantee (no indemnity due).</li> </ol>	Zero
Harvested	No	Production Guarantee (no indemnity due)	Zero

For Training Purposes Only

57

#### **Harvested Production Determination**



Procedures to determine harvested production include:

- Grain = Sales/Weight Tickets, Bin measurement
- Fiber = Bale weight
- CBD
  - Processor biomass delivery/sales records
  - Weight of bales or sacks, adjusted for moisture



