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CANEBERRY CROP INSURANCE STANDARDS HANDBOOK

2019 and Succeeding Crop Years

**RISK MANAGEMENT AGENCY
KANSAS CITY, MO**

TITLE: CANEBERRY CROP INSURANCE STANDARDS HANDBOOK	NUMBER: 20420U (09-2018)
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REASON FOR ISSUANCE

The Caneberry Crop Insurance Standards Handbook is effective for the Caneberry crop insurance program beginning with the 2019 crop year.

This handbook provides procedures and instructions for administering the Caneberry crop insurance program.

CANE BERRY CROP INSURANCE STANDARDS HANDBOOK

CONTROL CHART

Caneberry Crop Insurance Standards Handbook							
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FILING INSTRUCTIONS

This handbook is effective for the 2019 and succeeding crop years.

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PART 1 GENERAL INFORMATION AND RESPONSIBILITIES

1 General Information

A. Purpose

The purpose of this handbook is to provide supplementary instructions for establishing Caneberry (CB) crop insurance coverage in accordance with the CB CP (19-CB-6000), CB LASH (**FCIC-20420L**), and the CIH (FCIC-18010). The supplemental RMA-issued standards for this crop and crop year are in effect as of the signature date for this crop handbook at www.rma.usda.gov/handbooks/20000/index.html.

This handbook remains in effect until superseded by reissuance of either the entire handbook or selected portions (through amendments, bulletins, or FADs). If amendments are issued for a handbook, the original handbook as amended shall constitute the handbook. A bulletin or FAD can supersede either the original handbook or subsequent amendments.

B. Authority

The CB Crop Insurance Program is approved by the FCIC Board of Directors under Section 508(h) of the Federal Crop Insurance Act.

C. Program Duration

The CB Crop Insurance Program is available until cancelled by the FCIC Board of Directors.

D. Background Information

RMA is implementing the CB program for caneberries in states contained in the actuarial documents beginning with the 2019 crop year. The program is patterned after other Category B APH based crops and provides an indemnity caused by adverse weather and other standard causes of loss occurring during the insurance period.

2 Responsibilities

A. AIPs

AIPs must use standards, procedures, methods and instructions as authorized by FCIC in the sale and service of crop insurance policies. Each AIP is responsible for using RMA approved procedures. Procedures herein must be administered on a policy basis.

In addition to the responsibilities discussed in the CIH, the agent will assist the insured in completing the annual acreage report and advise insureds of their responsibility to comply with all of the reporting requirements of the policy.

B. Insured

To be eligible for the CB Crop Insurance Program, insureds must comply with all terms and conditions of the BP and CP.

3-10 (Reserved)

PART 2 STANDARDS AND INSTRUCTIONS

11 General Rules

A. The CB Crop Insurance Program is a program providing coverage to caneberry producers under the APH plan of insurance. In general, the FCIC 18010 CIH for Category B crops applies to caneberries. Other applicable terminology and instructions contained in the CIH that apply to the AIP and the insured apply to the CB program except as noted in this handbook.

B. Related Handbooks

The following table provides handbooks closely related to this handbook. However, other RMA approved handbooks may refer to this handbook and be applicable.

Handbook	Relation/Purpose
CIH	Provides overall general underwriting (not crop specific) process.
GSH	Provides general administrative procedures.
LAM	Provides general loss adjustment procedures.
CANEBERRY LASH	Provides loss adjustment procedures for caneberries.

- (1) General procedures, terms, abbreviations, and definitions general (not crop specific) are identified in the CIH, GSH, and LAM.
- (2) Procedures, terms, abbreviations, and definitions specific to CB are identified as additions or exceptions in this handbook.

12-20 (Reserved)

PART 3 INSURABILITY

21 Availability

The CB program is available for counties contained in the actuarial documents for California.

Written agreements are not allowed under the CB program.

22 Eligibility

A. CB Program

The CB program is available to all persons with a share in insurable CB acreage meeting the insurability provisions contained in the BP, CP, and SP and is located in approved counties in California.

B. Ineligible Persons

Any person with a delinquent debt to RMA or an AIP, or who is otherwise ineligible under the BP may not obtain CB insurance coverage.

23 Important Dates

A. Contract Change Date

August 31 preceding the cancellation date.

B. Sales Closing Date

November 30.

C. Cancellation and Termination Dates

November 30 before the beginning of the crop year.

D. Premium Billing Date

August 15 following the SCD for the crop year.

E. Acreage Reporting Date

For new and carryover insureds:

January 15 following the SCD for the crop year.

F. Insurance Period

(1) Beginning of the Insurance Period Dates

(a) For new policies: On January 1 following the SCD date; and

(b) For carryover policies: The day immediately following the end of the insurance period for the prior crop year.

23 Important Dates (Continued)

(2) End of the Insurance Period Dates

The calendar date for the end of the insurance period is November 30 of the calendar year insurance attaches for harvest period 1 and April 30 of the calendar year immediately following the calendar year in which insurance attaches for harvest period 2 (for counties containing two harvest periods, e.g., Ventura County). For example, for Ventura County, insurance would initially attach January 1, 2019 and would end November 30, 2019 for harvest period 1 and April 30, 2020 for harvest period 2.

See section 11 of the BP for additional end of insurance provisions.

(3) See the CP for additional insurance period conditions.

24 Acreage Reporting

A. Reporting Requirements

(1) The acreage report will list the insured acreage on a unit basis by basic unit (i.e. share, type, raspberry and blackberry (crop type), and separate harvest periods) and non-contiguous optional unit. (Varietal groups are not a basis for basic or optional units.)

(2) The insured must report:

(a) The number of:

(i) Boxes planted per acre for in-ground caneberries; and

(ii) The number of plants per acre for acreage of container caneberries, separately by varietal group (A and B) and growing practices (new planting, cut back, mow down, and grow through);

(b) The number of acres of in-ground and container caneberries stated in your planting schedule for the crop year for each basic and optional unit by varietal group and practice (planting practice, in-ground and container; organic, certified and transitional; and growing practice, new planting, cut back, mow down, and grow through).

(Basic units are established by crop type and separate harvest periods, if applicable. For example, a 100 percent share basic unit may be further separated into two harvest period basic units in a county containing two harvest periods.)

(c) The insured must provide a copy of their planting schedule for the crop year.

B. Changes in Planted Caneberry Acreage

Damaged or Destroyed Acreage

Planted acreage for a reported practice within the unit for a harvest period (whether in a two-harvest period a one harvest period county) that is damaged or destroyed may be converted (with AIP consent) to a different insurable practice (e.g., growing practice). For example, insured container new planting acreage is damaged by an insured cause of loss

24 Acreage Reporting (Continued)

and the AIP gives consent to the producer to convert the damaged container acreage to a cutback practice. The acreage report will not be revised and the production guarantee, liability, and premium for the originally reported planted acreage and new planting practice will be retained. The production from the acreage of the converted cut back practice will be used for any loss determinations that may apply to the unit for the harvest period. If any part or if all of the converted acreage's production is harvested in the following harvest period (not applicable for single harvest period counties), such production will be included in unit for the harvest period in which the damage occurred.

C. Revised Acreage Reports – Planting Schedule Changes

- (1) The acreage report for the unit may be revised if the acreage and practice (e.g., growing practice) reported by the insured based on the insured's planting schedule changes during the harvest period (not the result of insured damage; see Para. 24B). The production guarantee, liability, and premium for the unit will be based on the revised acreage report. All production from the revised acreage will be counted as production for APH and claims purposes for the unit for the harvest period in which the revision occurred.
- (2) The revised acreage report must be submitted within three days after the date of any change in the reported acreage and practice.
- (3) No inspection will be required to establish insurability.

25-30 (Reserved)

PART 4 CANEBERRY PROVISIONS AND PROGRAM DETAILS

31 Coverage Levels and Prices for Determining Indemnities

Coverage Levels

The insured may select only one coverage level for the insured crop (caneberries). Separate coverage levels by crop type (raspberries and blackberries are not applicable).

Prices Elections

The insured may select may select a different price election by type or practice. The price elections you choose for each type or practice must have the same percentage relationship to the maximum price election offered by us for each type or practice. For example, if you choose 100 percent of the maximum price election for one type or practice you must also choose 100 percent of the maximum price election for all other types or practices periods.

32 Insured Crop

A. Insured Crop and Types

The insured crop (commodity) and types are listed in the SP. The insurable crop and types are shown below:

<u>Crop</u>	<u>Types</u>
Caneberries	Blackberries*
	Raspberries
	*Coverage for blackberries is not currently available

A single administrative fee is due for the insured crop. Crop types (raspberries and blackberries) are not considered separate crops for administrative fee purposes

B. Insurability

In accordance with section 7 of the CP,

- (1) The insured crop will be all caneberries in the county for which a premium rate is provided in the AD:
 - (a) In which the insured has a share;
 - (b) That are adapted varieties to the area;
 - (c) That are grown for the production of fresh caneberries;
 - (d) That are irrigated, unless the SP allow a non-irrigated practice; and
 - (e) For which the insured provides, when applying for caneberry insurance, the production records for the crop type for the at least the most recent four continuous crop years or as otherwise specified on the SP. (The four-year record requirement applies separately for each crop type, i.e. raspberries may

32 Insured Crop (Continued)

meet the requirement and would be insurable while blackberries, if the four-year record requirement is not met, would not be insurable (once the four-year record requirement for blackberries was met, blackberries would also be insurable. Varietal groups listed under the raspberry type are not used to determine if the four-year record requirement has been met or for determining units.)

- (2) Insurable acreage will be planted acreage of caneberries that contains the minimum number of:
 - (a) Plants per acre by practice (new planting, cut back, mow down, grow through) and varietal group for caneberries planted in acceptable containers (based on industry standards) for container acreage; or
 - (b) Boxes of roots per acre for in-ground caneberries;specified on the SP. Caneberry acreage that does not meet the applicable minimum requirements in (2)(a) and (b) will not be insurable.

(See the definitions of planted acreage and containers.)

NOTE: For purposes of establishing the production guarantee for planted container acreage, the number of bushes per acre in containers must be consistent with the minimum require plant number contained in the SP.

33 Causes of Loss

A. Crop Provisions – Insured Causes

The CP provide crop insurance coverage only against the following causes of loss that occur within the insurance period:

- (1) Adverse weather conditions;
- (2) Fire;
- (3) Insects, but not damage due to insufficient or improper application of pest control measures;
- (4) Plant disease, but not damage due to insufficient or improper application of disease control measures;
- (5) Wildlife;
- (6) Earthquake;
- (7) Volcanic eruption; or
- (8) Failure of the irrigation water supply, if caused by a cause of loss specified in this section that occurs during the insurance period.

33 Causes of Loss (Continued)

B. Exclusions

In addition to the causes of loss excluded in section 12 of the Basic Provisions, coverage is not provided against damage or loss due to:

- (1) Mechanical damage;
- (2) Failure to harvest in a timely manner for any reason other than due to an insured peril specified in the CP);
- (3) The inability to market the caneberries for any reason other than actual physical damage to the caneberries from an insurable cause specified in this section. For example, no indemnity will be paid if the caneberries are not marketed due to quarantine, boycott, or refusal of any person to accept production.

34 Unit Division

A. Basic Unit

In addition to establishing basic units as provided in section 34(b) of the BP, basic units may be established for each applicable type (raspberry or blackberry) and harvest period contained in the SP.

B. Optional Units

Instead of establishing optional units as specified in section 34(c) of the BP, optional units may be established if each optional unit is located on non-contiguous land.

C. Enterprise and Whole Farm Units

Enterprise and whole farm units are not allowed under the CB program except as may be provided on the SP.

35 Quality Adjustment

Caneberry production to count includes:

- (1) All harvestable mature production that meets or exceeds the United States Standards for Grades of U.S. No. 1, or such other applicable grading standards for the caneberry types contained in the SP.
- (2) Damaged production that does not qualify as production under item 1 will not be considered production to count.
- (3) If the grade percent for damaged production (harvested and unharvested) on the unit exceeds the percent contained on the SP, any such production that is not harvested or is harvested and not sold will not be considered production to count. If such production is harvested and sold, it will be considered production to count without regard to grade.

36 Calculation Examples

Example 1: For the harvest period 1 unit, the insured has a 100 percent share in 10 acres of caneberries with a production guarantee of 7,500 pounds per acre (10,000 pound approved yield X 75 percent coverage level). The price election contained in the actuarial documents is \$3.00 per pound. The insured elected 100 percent of the price election.

Due to adverse weather reducing the yield, the total of production to count is 60,000 pounds. The premium rate is 5.0 percent.

The premium due is \$11,250 (7,500 pound per acre production guarantee X \$3.00 per pound price election X 10 acres X .05 premium rate X 100% share).

- (1) 10 acres X 7,500 pound production guarantee/acre = 75,000 pound total production guarantee;
- (2) 75,000 pound production guarantee X \$3.00 price election = \$225,000.00 value of the production guarantee;
- (3) 60,000 pounds total production to count X \$3.00 price election = \$180,000.00 value of the production to count;
- (4) \$225,000.00 - \$180,000.00 = \$45,000.00; and
- (5) \$45,000.00 x 1.000 share = \$45,000.00 indemnity payment.

Example 2: For the harvest period 2 unit, the insured has a 100 percent share in 10 acres of caneberries with production guarantee of 4,500 pounds per acre (6,000 pound approved yield X 75 percent coverage level). The price election in the actuarial documents is \$2.50 per pound.

Due to adverse weather reducing the yield, the total production to count is 30,000 pounds. The premium rate is 5.0 percent.

The premium due is \$5,625.00 (4,500 pound production guarantee per acre X \$2.50 per pound price election X 10 acres X .05 premium rate X 100% share).

- (1) 10 acres X 4,500 pound production guarantee/acre = 45,000 pound total production guarantee;
- (2) 45,000 pound production guarantee X \$2.50 price election = \$112,500.00 value of the production guarantee;
- (3) 30,000 pound total production to count X \$2.50 price election = \$75,000.00 value of production to count;
- (4) \$112,500.00 - \$75,000.00 = \$37,500.00; and
- (5) \$37,500.00 X 1.000 share = \$37,500.00 indemnity payment.

37 Excluded Coverages and Yield Adjustments

The following coverages and the following yield adjustments do not apply to the CB program:

- A. Late and prevented planting;
- B. Replanting;
- C. Yield exclusion (CIH, Part 15);
- D. Yield substitution (CIH, Part 15); and
- E. Trend adjustment.

Yield cups apply to the previous year's approved APH yield for the crop type by P/V (growing variation) determined under the same conditions as provided in the CIH.

38 Service Forms

The following forms are required for the CB program:

- A. Application
- B. Policy Change
- C. Acreage Report

39-40 (Reserved)

PART 5 CROP INSURANCE HANDBOOK

41 CIH Applicability

Specific changes and additions to the CIH and GSH are described in this part. Other applicable CIH and GSH procedures not in conflict with the CP and this handbook apply.

42 CIH Part 14, Para. 1415

Record Requirements

Caneberries are included in the list of crops requiring verifiable records.

43 CIH Part 15

A. The Base Period, Para 1502

Caneberries are included in the list of crops to which a lag year will apply. (See section 3(c) of the CP.)

B. Types of Yields, Para. 1503

- (1) Insurance yields for caneberries are established for the crop type by unit/P/V (growing variation). See Exhibits 3 and 4 for guidelines and calculation instructions.

(Note: The insured must provide the most recent four continuous years of acceptable production reports for the crop type (e.g., raspberries) to establish eligibility for the current CB crop insurance program.)

- (2) County and variable Transitional Yields are not applicable.

C. Para. 1541 – 1570 are not applicable.

44 CIH Part 19, Section 1, Caneberry

A. Caneberries:

- (1) Are considered a Category B crop;
- (2) Are covered under the APH coverage plan (90); and
- (3) Utilize caneberry APH procedures contained in Exhibits 3 and 4 to establish insurance yields.

B. Insurability Requirements

Availability

- (1) The CB program is available for California counties contained in the actuarial documents.
- (2) Written agreements are not allowed under the CB program.

C. Record Requirements

Applicable requirements requiring separate acceptable production records apply (records by unit, practice, type, and varietal group). Any production for a basic unit (established by harvest period) reported in one harvest period that is harvested in the following harvest period (for a county with two harvest periods, e.g., Ventura County) will be reported as production in harvest period applicable for the unit.

45-50 (Reserved)

Acronyms

The following table contains RMA-approved acronyms used in this handbook.

Approved Acronyms	Term
CB	Caneberry(ies)
P/V	Practice/Variety (Varietal Group)

Definitions

Acre – means an acre will be each physical acre of:

- (a) In-ground caneberry types containing the minimum number of boxes of roots per acre specified on the Special Provisions; and
- (b) Container caneberry types containing the minimum number of plants per acre specified on the Special Provisions, by practice and varietal group, as applicable.

Adapted varieties – means varieties of the insured crop that are recognized as compatible with agronomic and weather conditions in the county where caneberry insurance coverage is provided in the actuarial documents.

Box – means a container of 25 lbs. of caneberry roots.

Caneberries – means the edible fruit of the caneberry types contained in the Special Provisions which are grown for the commercial sale of fresh raspberries and blackberries.

Crop year – means the period January 1 and extending until the second April 30. Crop year is designated by the year in which the insurance period begins.

Cut back - means cutting the primocane below the last fruiting laterals from the primocane harvest and growth of vegetative laterals that produce fruit.

Damaged production – means caneberries ready to harvest that due to an insured cause of loss do not meet the United States Standards for Grades of U.S. No. 1 or other applicable grading standards for the caneberry types contained in the Special Provisions.

Grow through – means growth of new primocane through the existing cane structure being harvested.

Harvest – means the picking or removal of mature caneberries from the plant either by hand or machine.

Harvest period – means each timeframe as specified in the Special Provisions.

Mature production – means caneberries ready to harvest that meet or exceed the United States Standards for Grades of U.S. No. 1, for the caneberry types contained in the Special Provisions or such other applicable grading standards, if allowed on the Special Provisions.

Mechanical damage – means damage to the plant or fruit caused by improper use of machinery or tools.

Mow down – means cutting all canes to ground level.

New planting – means first growth of primocanes/fruiting laterals for harvest following planting.

Definitions (Continued)

Planted acreage – means in addition to the definition of planted acreage contained in the Basic Provisions, planted acreage of caneberries will include caneberries planted in containers.

Planting schedule – means a document containing the number of caneberry acres for each unit, by harvest period, practice, and varietal group for the crop year.

Container – means a container with dimensions commonly use in caneberry production and:

- (a) Containing a recommended growing medium;
- (b) Containing the required minimum weight of roots per container specified in the Special Provisions; and
- (c) Meeting all other insurability requirements contained in the Special Provisions, if applicable.

Practice – means each production practice, by harvest period, contained in the Special Provisions used for producing in-ground or container caneberries.

Primocane – means a fruit cane in its first year of growth.

Type – means a category of caneberries of the genus *Rubus* subgenus *Ideobatus* (Raspberries) and *Eubatus* (blackberries) identified as a type in the Special Provisions.

Unit of measure – means pounds, unless otherwise specified in the Special Provisions.

Varietal group – means a category (containing one or more varieties) within a type of caneberries and contained in the Special Provisions.

APH Yield Procedures for Caneberries

- A. Overview. The APH yield for caneberries is an APH yield calculated using the insured's actual yields for the caneberry crop type (for 2019, raspberries only), which are reported by the production reporting date for the most recent four continuous crop years. Such records are used to establish a crop type Summary Database and Yield to be used to populate all required APH databases for the insured that contain fewer than four actual yields for the unit/growing variation (see item F(2)(a) for a growing variation example).
- B. Location and Eligible Crops. California Counties in which caneberry crop insurance is available. (Only the raspberry type is insurable beginning with the 2019 crop year.)
- C. Eligible Coverage Levels. The CB Crop Insurance Program is available for coverage levels up to 75 percent including Catastrophic Risk Protection (CAT) coverage.
- D. Minimum Production Requirement. The most recent four continuous crop years of acceptable production reports, supported by acceptable production records, for the crop type are required to establish eligibility for the CB Crop Insurance Program.
- E. Lag Year Crop. Caneberries are a lag year yield crop, thus temporary yields are not required.
- F. APH Databases
- (1) Crop Type Summary Database
 - (a) For the initial crop year CB crop insurance is obtained by the insured, all production for the crop type without regard to unit, varietal group, or practice will be used in the completion of crop type Summary Database and calculation of the Summary Yield.
 - (b) The crop type Summary Database (identified with a "MR" indicator and unit number of 0000-0000) will contain a maximum of the most recent four continuous crop years of acceptable acreage and production information for the crop type.
 - (c) A four-year average yield will be computed resulting in a crop type Summary Yield that will be used to establish APH databases and yields for each unit/growing variation APH database that does not contain four years of actual yields for the unit/growing variation.
 - (d) For each subsequent crop year:
 - (i) The crop type Summary Database will be updated with the most recent crop year's total production, acreage and yield with the oldest crop year total production, acreage and yield being removed (i.e., "rolled out")
 - (ii) The updated crop type Summary Yield will be used to complete unit/growing variation APH databases that do not contain four years of actual or assigned yields for the unit/growing variation.

APH Yield Procedures for Caneberries (Continued)

NOTE: For processing purposes in county(ies) where insureds have elected different price percentages by harvest period, where applicable, a replicated Summary Database for each harvest period must be sent to RMA.

(2) Unit/Growing Variation Databases

- (a) Separate APH databases for the unit will be established for each applicable growing variation for the caneberry crop type contained in the insured's operation. The growing variation APH databases will be established for each unit (i.e. basic unit by share and separate harvest periods, if applicable, and optional units) based on the varietal group (A and B) and practice. The practice is subdivided into planting practices (in-ground and substrate); irrigated; organic (certified and transitional); and growing practices (new planting, cut back, grow through, and mow down).

Growing Variation Example: Varietal Group A/In-Ground/Irr/ Organic-Certified/New Planting

- (b) For each unit/growing variation, the APH database will be established using up to ten continuous crop years of acceptable production records.
- (c) Unit/growing variation APH databases containing fewer than four continuous actual yields (or assigned yields if applicable) will have the crop type Summary Yield determined for the current crop year entered in the oldest crop year(s) to complete the database. The crop type Summary Yield used in the unit/growing variation APH database will be identified with a "F" yield descriptor and the database will be identified with a "MR" yield indicator.

For example: The crop type Summary Yield contained in the 2019 crop type Summary Database would be used to fill missing crop year yields in the 2019 unit/growing variation APH database.

- (d) The crop type Summary Yield will not apply for any unit/growing variation APH database that is established based on an acceptable production report submitted for the current crop year that contains four or more continuous crop years of production, acreage and actual yields. The production reports and actual yields will be used to complete the unit/growing variation APH database and establish the approved yield for the unit/growing variation.
- (e) The same growing variation may occur more than one time during the crop year (a 16-month period) within the unit. If more than one instance of the growing variation occurs, the acreage and production for each instance will be combined and entered into the unit/growing variation APH database for the crop year.

APH Yield Procedures for Caneberries (Continued)

- (f) For each subsequent crop year, an acceptable production report containing actual acreage and production for the unit/growing variation will be submitted and entered into the applicable unit/growing variation APH database for the crop year. Assigned yields apply for any crop year if acceptable production reports are not timely submitted. A “Z” yield descriptor will be entered for any crop year in which the growing variation is not produced on the unit.
- (g) With each additional production report, the oldest “F” yield in the unit/growing variation APH database will be removed until the APH database only contains actual yields based on acceptable actual acreage and production (or assigned yields, if applicable).
- (h) Upon removal of all “F” yields from the unit/growing variation APH database, standard APH procedure will be used to update the unit/growing variation APH database building to a 10-year APH database. See Para. 36 of this handbook regarding cups (yields cups are applied at the unit/growing variation APH database level).

G. Added Types, Varietal Groups, Practices and Added Land

- (1) Added Types. Raspberries and blackberries are the crop types that may be insured under the CB Crop Insurance Program. Currently, raspberries are the only insurable type for which insurance coverage is offered.

If the caneberry program is expanded to cover blackberries, items A – F apply for purposes of establishing coverage and APH databases and approved yields for the blackberry crop type.

- (2) Added Varietal Groups, Practices, and Land. The applicable crop type Summary Yield will be used to establish the unit/growing variation APH databases in the insured’s operation for the current crop year.

Established crop type Summary Databases and unit/growing variation APH databases will then be updated as provided in item F(1) and (2).

H. Policy Acceptance and Storage System (PASS) Reporting Requirements

- (1) AIPs must submit to RMA APH records in accordance with applicable procedures contained in the CIH, Appendix III and this handbook. Applicable yield descriptors will apply to the actual, assigned, and other yield types (i.e., “Z” yield descriptor) contained in the applicable individual APH databases
- (2) The crop type Summary Database will be identified with a “MR” yield indicator with a unit number of 0000-0000.

APH Yield Procedures for Caneberries (Continued)

- (3) Unit numbers will be assigned according to standard numbering procedure contained in the CIH and will apply to unit/growing variation APH databases.

I. Agents/AIP Responsibilities

- (1) Consistent with CIH APH procedures, agents must complete applicable databases for the crop type Summary Database and unit/growing variation for each APH crop year used to establish summary and approved yields. For example, a separate APH database must be established for the raspberry crop type for each unit (by share, harvest period 1, or non-contiguous optional) and growing variation for varietal group A, in-ground, new planting, irrigated, conventional type/practice that is carried out when the county actuarial document indicates a raspberry crop type, harvest period 1, varietal group A, in-ground, new planting, irrigated, conventional type/practice.
- (2) The AIP must review the applicable crop type Summary Database and unit/growing variation APH databases, verify the yields for each were calculated correctly, approve and transmit unit/growing variation yields as a PASS type 15 record to RMA each crop year, verify the Summary Yield used in the individual APH databases is identified with the “F” yield descriptor and the crop type Summary Database is identified with the yield indicator “MR” and unit number 0000-0000.

J. Yield Reductions

Yield reductions are applicable in accordance with section 3(d) and (e) of the Caneberry Crop Provisions and applicable procedures contained in the CIH.

K. New Producer/Beginning Farmer/Rancher

New producers and beginning farmers/ranchers are not eligible for CB insurance coverage (failure to meet the minimum 4-year production record requirement) except as allowed through a transfer of records under the CIH, Para 1507, 1508, 1509, and 1510. In such instances, the most recent four years of continuous production records for the crop type must qualify and be transferred. Crop type Summary Yields and unit/growing variation yields will be established as provided in F(1) and (2).

APH Yield Calculations and Examples

Establishing APH Databases and Yields (Summary Databases and Growing Variation Databases)

Growing Variation Abbreviations

Harvest Period 1	HP1	Organic - Certified	OC
Harvest Period 2	HP2	Organic - Transitional	OT
Varietal Group A	VA	New Planting	NP
Varietal Group B	VB	Grow Through	GT
In-Ground	IG	Cut Back	CB
Container (Substrate)	P	Mow Down	MD
Conventional	C		

2019 Crop Year

The insured submits a production report for the raspberry crop type for the most recent four continuous crop years for the 2019 crop year (2014-2017; caneberries are a lag-year crop) for two basic units, by share (The county does not contain separate harvest periods; basic unit databases by harvest period do not apply.). Reported total raspberry production for the most recent four APH crop years is used to establish a crop type Summary Database.

Raspberry Crop Type Summary Database – (Total production from units 0001-0000BU and 0002-0000BU) – Yield Indicator, MR

Crop Year	Total Production	Acres	Yield
2014	115,000	20.0	5,750
2015	125,000	20.0	6,250
2016	110,000	20.0	5,500
2017	120,000	20.0	6,000
Total			23,500
Average Yield			5,875
Summary Yield			5,875

The insured intends to grow for the current crop year the following growing variations: varietal group A; irrigated; in-ground; conventional; and new planting, grow through, cut back, and mow down on the same basic units. Four separate growing variation APH databases will be established for each basic unit representing the growing practices new planting, grow through, cut back, and mow down practices for varietal group A, irrigated, in-ground, conventional crop production combination. Since Summary yields are used, identify each APH database with the “MR” yield indicator.

00010000BU/VA/Irr/IG/C/NP

Crop Year	Total Production	Acres	Yield
2014	115,000	20.0	F5,875
2015	125,000	20.0	F5,875
2016	110,000	20.0	F5,875
2017	120,000	20.0	F5,875
Total			23,500
Approved Yield			5,875

00010000BU/VA/Irr/IG/C/GT

Crop Year	Total Production	Acres	Yield
2014	115,000	20.0	F5,875
2015	125,000	20.0	F5,875
2016	110,000	20.0	F5,875
2017	120,000	20.0	F5,875
Total			23,500
Approved Yield			5,875

APH Yield Calculations and Examples (Continued)

00010000BU/VA/Irr/IG/C/CB

Crop Year	Total Production	Acres	Yield
2014	115,000	20.0	F5,875
2015	125,000	20.0	F5,875
2016	110,000	20.0	F5,875
2017	120,000	20.0	F5,875
Total			23,500
Approved Yield			5,875

00010000BU/VA/Irr/IG/C/MD

Crop Year	Total Production	Acres	Yield
2014	115,000	20.0	F5,875
2015	125,000	20.0	F5,875
2016	110,000	20.0	F5,875
2017	120,000	20.0	F5,875
Total			23,500
Approved Yield			5,875

00020000BU/VA/Irr/IG/C/NP

Crop Year	Total Production	Acres	Yield
2014	115,000	20.0	F5,875
2015	125,000	20.0	F5,875
2016	110,000	20.0	F5,875
2017	120,000	20.0	F5,875
Total			23,500
Approved Yield			5,875

00020000BU/VA/Irr/IG/C/GT

Crop Year	Total Production	Acres	Yield
2014	115,000	20.0	F5,875
2015	125,000	20.0	F5,875
2016	110,000	20.0	F5,875
2017	120,000	20.0	F5,875
Total			23,500
Approved Yield			5,875

00020000BU/VA/Irr/IG/C/CB

Crop Year	Total Production	Acres	Yield
2014	115,000	20.0	F5,875
2015	125,000	20.0	F5,875
2016	110,000	20.0	F5,875
2017	120,000	20.0	F5,875
Total			23,500
Approved Yield			5,875

00020000BU/VA/Irr/IG/C/MD

Crop Year	Total Production	Acres	Yield
2014	115,000	20.0	F5,875
2015	125,000	20.0	F5,875
2016	110,000	20.0	F5,875
2017	120,000	20.0	F5,875
Total			23,500
Approved Yield			5,875

2020 Crop Year

The 2019 crop type Summary Database for units 0001-0000BU and 0002-0000BU is updated for the 2020 crop year with the most recent crop year’s production record; the oldest crop year record is removed (only the most recent four years of records are used to establish the crop type database - 2015-2018). Insurable causes reduced the 2018 crop type and growing variation production.

Raspberry Crop Type Summary Database – (Total production from units 0001-0000BU and 0002-0000BU) – Yield Indicator –MR

Crop Year	Total Production	Acres	Yield
2015	125,000	20.0	6,250
2016	110,000	20.0	5,500
2017	120,000	20.0	6,000
2018	104,720	20.0	5,236
Total			22,986
Average Yield			5,747
Summary Yield			5,747

APH Yield Calculations and Examples (Continued)

Four separate growing variation APH databases will be updated with the actual yields for the 2018 crop year for each basic unit representing the growing practices new planting, grow through, cut back, and mow down, varietal group A, in-ground, conventional crop production combination. The F-Yields entered for the 2015-2017 crop years are based on the updated 2020 Summary Yield and the APH databases identified with the “MR” yield indicator. **The 10% cup was applied to 0001000BU/VA/IG/C/GT.**

00010000BU/VA/Irr/IG/C/NP

Crop Year	Total Production	Acres	Yield
2015	125,000	20.0	F5,747
2016	110,000	20.0	F5,747
2017	120,000	20.0	F5,747
2018	10,340	2.0	A5,170
Total			22,411
Approved Yield			5,603

00010000BU/VA/Irr/IG/C/GT

Crop Year	Total Production	Acres	Yield
2015	125,000	20.0	F5,747
2016	110,000	20.0	F5,747
2017	120,000	20.0	F5,747
2018	4,652	1.5	A3,101
Total			20,342
Approved Yield			5,086 5,288

00010000BU/VA/Irr/IG/C/CB

Crop Year	Total Production	Acres	Yield
2015	125,000	20.0	F5,747
2016	110,000	20.0	F5,747
2017	120,000	20.0	F5,747
2018	19,887	3.5	A5,682
Total			22,921
Approved Yield			5,731

00010000BU/VA/Irr/IG/C/MD

Crop Year	Total Production	Acres	Yield
2015	125,000	20.0	F5,747
2016	110,000	20.0	F5,747
2017	120,000	20.0	F5,747
2018	16,590	3.0	A5,530
Total			22,771
Approved Yield			5,693

00020000BU/VA/Irr/IG/C/NP

Crop Year	Total Production	Acres	Yield
2015	125,000	20.0	F5,747
2016	110,000	20.0	F5,747
2017	120,000	20.0	F5,747
2018	8,108	1.5	A5,405
Total			22,646
Approved Yield			5,662

00020000BU/VA/Irr/IG/C/GT

Crop Year	Total Production	Acres	Yield
2015	125,000	20.0	F5,747
2016	110,000	20.0	F5,747
2017	120,000	20.0	F5,747
2018	4,630	1.0	A4,630
Total			21,871
Approved Yield			5,468

00020000BU/VA/Irr/IG/C/CB

Crop Year	Total Production	Acres	Yield
2015	125,000	20.0	F5,747
2016	110,000	20.0	F5,747
2017	120,000	20.0	F5,747
2018	13,438	2.5	A5,375
Total			22,616
Approved Yield			5,654

00020000BU/VA/Irr/IG/C/MD

Crop Year	Total Production	Acres	Yield
2015	125,000	20.0	F5,747
2016	110,000	20.0	F5,747
2017	120,000	20.0	F5,747
2018	27,075	5.0	A5,415
Total			22,656
Approved Yield			5,664

APH Yield Calculations and Examples (Continued)

2020 Crop Year – New Varietal Group

The producer intends to produce Varietal Group B raspberries for the 2020 crop year on 00010000BU. Four separate growing variation APH databases will be established for the basic unit representing the new varietal group for the growing practices new planting, grow through, cut back, and mow down, irrigated, in-ground, conventional crop production combination.

Production records for the new varietal group are not available to complete the four-year APH database for each growing variation. The 2020 crop type Summary Database and Summary Yield (5747) are used to establish the applicable growing variation APH databases and yields.

Raspberry Crop Type Summary Database – (Total production from units 0001-0000BU and 0002-0000BU) – Yield Indicator –MR

Crop Year	Total Production	Acres	Yield
2015	125,000	20.0	6,250
2016	110,000	20.0	5,500
2017	120,000	20.0	6,000
2018	104,720	20.0	5,236
Total			22,986
Average Yield			5,747
Summary Yield			5,747

00010000BU/VB/Irr/IG/C/NP

Crop Year	Total Production	Acres	Yield
2015	125,000	20.0	F5,747
2016	110,000	20.0	F5,747
2017	120,000	20.0	F5,747
2018	106,000	20.0	F5,747
Total			22,986
Approved Yield			5,747

00010000BU/VB/Irr/IG/C/GT

Crop Year	Total Production	Acres	Yield
2015	125,000	20.0	F5,747
2016	110,000	20.0	F5,747
2017	120,000	20.0	F5,747
2018	106,000	20.0	F5,747
Total			22,986
Approved Yield			5,747

00010000BU/VB/Irr/IG/C/CB

Crop Year	Total Production	Acres	Yield
2015	125,000	20.0	F5,747
2016	110,000	20.0	F5,747
2017	120,000	20.0	F5,747
2018	106,000	20.0	F5,747
Total			22,986
Approved Yield			5,747

00010000BU/VB/Irr/IG/C/MD

Crop Year	Total Production	Acres	Yield
2015	125,000	20.0	F5,747
2016	110,000	20.0	F5,747
2017	120,000	20.0	F5,747
2018	106,000	20.0	F5,747
Total			22,986
Approved Yield			5,747