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# POPCORN LOSS ADJUSTMENT STANDARDS HANDBOOK

**2021 and Succeeding Crop Years** 

## RISK MANAGEMENT AGENCY KANSAS CITY, MO 64133

TITLE: POPCORN LOSS	NUMBER: 25350
ADJUSTMENT STANDARDS	25350-1
HANDBOOK	25350-2
	25350-3
<b>EFFECTIVE DATE: 2021 and Succeeding</b>	ISSUE DATE: January 28, 2021
Crop Years	-
SUBJECT:	OPI: Product Administration and Standards
	Division
Provides the procedures and instructions	APPROVED:
for administering the Popcorn crop	
insurance program	/S:/ Richard Flournoy
	Deputy Administrator for Product Management

## **REASON FOR ISSUANCE**

Major changes: See changes or additions in text which have been highlighted. Three stars (\*\*\*) identify information that has been removed.

1. Exhibit 15: Corrected moisture adjustment factor for 15.3%.

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## POPCORN LOSS ADJUSTMENT STANDARDS HANDBOOK

## **CONTROL CHART**

Popcorn Loss Adjustment Standards Handbook							
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## FILING INSTRUCTIONS

This handbook replaces the 2020 Popcorn Loss Adjustment Standards Handbook, FCIC-25350-2H (08-2020). This handbook is effective for the 2021 and succeeding crop years and is not retroactive to any 2020 or prior crop year determinations.

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(RESERVED)

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## PART 1 GENERAL INFORMATION

#### 1 General Information

## A. Purpose and Objective

The RMA-issued loss adjustment standards for this crop are the official standard requirements for adjusting losses in a uniform and timely manner. The RMA-issued standards for this crop and crop year are in effect as of the signature date for this crop handbook located at <a href="https://www.rma.usda.gov">www.rma.usda.gov</a>.

This handbook remains in effect until superseded by reissuance of either the entire handbook or selected portions (through amendments, bulletins, or FADs).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. Related Handbooks

The following table identifies handbooks that shall be used in conjunction with this handbook.

Handbook	Relation/Purpose
CIH	Provides overall general underwriting (not crop specific) process.
DSSH	Provides the form standards and procedures for use in the sales and service of crop insurance contracts.
GSH	Provides general crop insurance information.
LAM	Provides overall general loss adjustment (not crop-specific) process.

- (1) Terms, abbreviations, and definitions general (not crop specific) to loss adjustment are identified in the GSH and LAM.
- (2) Terms, abbreviations, and definitions specific to Popcorn loss adjustment and this handbook are in exhibits 1 and 2, herein.

## C. CAT Coverage

Refer to the CIH, GSH and LAM for provisions and procedures not applicable to CAT coverage.

## **D.** Irrigated Practice

Refer to the DSSH for irrigated practice guidelines and the CIH and LAM for other irrigated practice information.

## 2 AIP Responsibilities

#### A. Utilization of Standards

All AIPs shall utilize these standards for both loss adjustment and loss training for the applicable crop year. These standards, which include crop appraisal methods, claims completion instructions, and form standards, supplement the general (not crop-specific) loss adjustment standards identified in the LAM.

## **B.** Form Distribution

The following is the minimum distribution of forms completed by the adjuster and signed by the insured (or the insured's authorized representative) for the loss adjustment inspection.

- (1) One legible copy to the insured; and
- (2) The original and all remaining copies as instructed by the AIP.

## C. Record Retention

It is the AIP's responsibility to maintain records (documents) as stated in the SRA and described in the LAM.

## D. Form Standards

- (1) The entry items in exhibits 3 7 are the minimum requirements for the Appraisal Worksheets and Claim Form (hereafter referred to as "Production Worksheet"). All entry items are "Substantive", (they are required).
- (2) The Privacy Act and Non-Discrimination statements are required statements that must be printed on the form or provided to the insured as a separate document. These statements are not shown on the example form(s) in exhibits 3 7. The current Non-Discrimination Statement and Privacy Act Statement can be found on the RMA website at: <a href="https://www.rma.usda.gov">www.rma.usda.gov</a> or successor website.
- (3) The certification statement required by the current DSSH must be included on the PW directly above the insured's signature block immediately followed by the statement below:

"I understand the certified information on this Production Worksheet will be used to determine my loss, if any, to the above unit. The insurance provider may audit and approve this information and supporting documentation. The Federal Crop Insurance Corporation, an agency of the United States, subsidizes and reinsures this crop insurance."

## 2 AIP Responsibilities (continued)

(4) Refer to the DSSH for other crop insurance form requirements (such as point size of font, and so forth). The current DSSH can be found on the RMA website at:

www.rma.usda.gov or successor website.

3-10 (Reserved)

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## PART 2 POLICY INFORMATION

The AIP determines the insured has complied with all policy provisions of the insurance contract. The Popcorn CP, which are to be considered in this determination include (but are not limited to):

## 11 Insurability

The following may not be a complete list of insurability requirements. Refer to the BP, the Popcorn CP, and the SP for a complete list.

- (1) The crop insured will be all the popcorn grown in the county by the insured for which a premium rate is provided by the actuarial documents, in which the insured has a share, and that is planted for harvest as popcorn.
- (2) Insurable popcorn acreage must be grown under, and in accordance with the requirements of a processor contract executed on or before the acreage reporting date and is not excluded from the processor contract at any time during the crop year.
- (3) Popcorn acreage is not insurable (unless allowed by the SP or by WA) if it is:
  - (a) interplanted with another crop; or
  - (b) planted into an established grass or legume.
- (4) The insured will be considered to have a share in the insured popcorn crop if, under the processor contract:
  - (a) the insured retains control of the acreage on which the popcorn is grown;
  - (b) the insured has a risk of loss; and
  - (c) the processor contract provides for delivery of popcorn under specified conditions and at a stipulated base contract price.
- (5) A popcorn producer who is also a processor may be able to establish an insurable interest in the popcorn crop. Refer to the Popcorn CPs for requirements.

## 11 Insurability (Continued)

- (6) The total PTC (in pounds) from all insurable acreage in the unit includes (but is not limited to):
  - (a) All appraised production (as stated in the CPs) and all harvested production from the insurable acreage in the unit. All harvested and appraised production lost or damaged by uninsured causes.
  - (b) For processor contracts that stipulate the amount of production to be delivered, all harvested popcorn production from any other insurable unit that has been used to fulfill the processor contract applicable to the unit.
  - (c) Any production from yellow or white dent corn on a weight basis and any production harvested from plants growing in the insured crop may be counted as popcorn on a weight basis.
- (7) Any acreage of the insured crop damaged before the final planting date, to the extent that the majority of producers in the area would normally not further care for the crop, must be replanted unless the AIP agrees that it is not practical. Refer to the LAM for replanting provision issues. Refer to Part 3 of this handbook for replanting payment procedures.
- (8) In addition to the COLs excluded by the BP, insurance is not provided against:
  - (a) Damage resulting from frost or freeze after the date designated in the SP; or
  - (b) Failure to follow the requirements contained in the processor contract.

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#### 12 Unit Division

Refer to the insurance contract for unit provisions. Unless limited by the CP or SP, a basic unit, as defined in the BP, may be divided into optional units if, for each optional unit, all the conditions stated in the applicable provisions are met.

For information on Enterprise, Multi-County Enterprise, and Whole-Farm units, refer to the CIH and the LAM.

## 13 Popcorn Quality Adjustment

#### A. General Information

- (1) Refer to the LAM for information on speculative type contract prices in QA. The QAF cannot be greater than 1.000 or less than zero (.000).
- (2) Mature popcorn production will be eligible for QA, if due to an insurable COL that occurs within the insurance period, it is not merchantable popcorn and is rejected by the processor. The production will be adjusted by:
  - (a) dividing the value per pound of the damaged popcorn by the base contract price per pound for undamaged popcorn; and
  - (b) multiplying the result by the number of pounds of such popcorn.

**Note:** When the edible portion of the crop has been exposed to flood waters and a Federal or State agency recommends destruction or disposal of production from such acreage, refer to the LAM.

- (3) Document QA information as described in the instructions for the Narrative section of the PW (exhibit 7) or on a Special Report.
- (4) If a local market cannot be found for the damaged popcorn, or when determining a salvage value, refer to the LAM.
- (5) Moisture adjustment is applied prior to applying any qualifying QAF such as test weight, kernel damage, etc. A popcorn moisture adjustment factors chart is in exhibit 15. Moisture adjustment results in a reduction in PTC of 0.12 percent for each 0.1 percent moisture in excess of 15 percent.
- (6) Refer to the LAM for special instructions regarding mycotoxin-infected popcorn.
- (7) For additional QA definitions, instructions, qualifications, sampling requirements, graders, and testing requirements, refer to the LAM.

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## **B.** Federal or State Ordered Destruction

Under section 15 (j) of the BPs, if due to insured causes, a Federal or State agency has ordered the appraised insured crop or production to be destroyed, on the PW enter the factor ".000" in column 35 for appraised production or column 65 for harvested production, as applicable. Instruct the insured to complete and submit a Certification Form stating the date the crop or production was destroyed and the method of destruction (refer to item 40 and the Narrative in the PW instructions). Also, refer to the LAM for additional information. Otherwise, make no entry.

## **14-20** (Reserved)

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## PART 3 REPLANTING PAYMENT PROCEDURES

## 21 Replanting Payment Procedures

- (1) Replanting payments made on acreage replanted using a practice that was uninsurable as an original planting will require the deduction of the replanting payment for such acreage from the original unit liability. If the unit dollar loss (final claim) is less than the original unit liability minus such replanting payment, the actual indemnity dollar amount will not be affected by the replanting payment. The premium will not be reduced.
- (2) No replanting payment will be made on acreage on which a prior replanting payment has been made during the current crop year.

## 22 Qualifications for Replanting Payment

To qualify for replanting payment, the:

- (1) insured crop must be damaged by an insurable cause;
- (2) AIP determines that it is practical to replant (refer to the LAM);
- (3) acres being replanted must have been initially planted on or after the "Earliest Planting" date established by the SP;
- (4) per acre appraisal (or appraisal plus any appraisals for uninsured causes of loss) must be less than 90 percent of the per acre production guarantee for the acreage the insured intends to replant (refer to Part 4, "Appraisals");
- (5) acreage replanted must be at least the lesser of 20 acres or 20 percent of the insured planted acreage for the unit as determined on the final planting date or within the late planting period, if a late planting period is applicable (any acreage planted after the end of the late planting period will not be included when determining if the 20 acres or 20 percent qualification is met, refer to the LAM); and
- (6) AIP has given consent to replant after verifying that the processor contract terms can accept delivery, or the processor agrees in writing that it will accept the production from the replanted acreage.

In the Narrative of the PW or on Special Report, show the appraisal for each field or subfield and the calculations to document that qualifications for a replanting payment have been met.

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The maximum amount of the replanting payment per acre will be the lesser of:

- (1) the insured's actual replanting cost;
- (2) the product of multiplying the maximum pounds allowed in the policy (150 pounds) by the insured's price election, times the insured's share in the crop; or
- (3) 20 percent of the production guarantee multiplied by the insured's price election, times the insured's share in the crop; or

Compute the number of pounds per acre allowed for a replanting payment by dividing the maximum replanting payment by the price election. Show all calculations in the Narrative of the PW or on a Special Report.

## Example 1

Owner/operator (100 percent share)

25.0 acres replanted

Actual cost to replant = \$14.00 per acre

Price election = \$0.10 per lb.

20 percent of prod. guar. (2000 lbs.  $\times 20\%$ ) = 400 lbs.  $\times 80.10$  (price election)  $\times 1.000$  (share) = 840.00

150 pounds (maximum lbs. allowed in policy) x \$0.10 (price election) x 1.000 (share) = \$15.00 The lesser of \$15.00, \$14.00 and \$40.00 is \$14.00

Actual lbs. per acre allowed = 140 lbs. ( $$14.00 \div $0.10$  – rounded to whole lbs.)

Enter the number of pounds per acre allowed (140 lbs.) in Section I, column 31, "Appraised Potential" of the PW.

## Example 2

Landlord/tenant both insured (50/50 percent share)

25.0 acres replanted

Actual cost to replant = \$7.00 per acre (insured's share of cost)

Price election = \$0.10 per pound

20 percent of prod. guar.  $(2000 \text{ lbs. } \times 20\%) = 400 \text{ lbs. } \times \$0.10 \text{ (price election)} \times .500 \text{ (share)} = \$20.00$ 

150 pounds (maximum lbs. allowed in the policy) x \$0.10 (price election) x .500 (share) = \$7.50 The lesser of \$7.00, \$20.00 and \$7.50 is \$7.00

Actual lbs. per acre allowed = 70 lbs. ( $\$7.00 \div \$0.10$  rounded to whole lbs.)

Enter the number of pounds allowed (70 lbs.) if share has been applied, or the number of pounds allowed (140 lbs.) if share has yet to be applied in Section I, column 31, "Appraised Potential" of the PW. (Follow individual AIP guidelines). Indicate in the Narrative if the pounds allowed for replanting have/have not been reduced for share on the PW according to individual AIP guidelines.

## 24 Replanting Payment Inspections

Replanting payment inspections are to be prepared as final inspections on the PW only when qualifying for a replant payment. Non-qualifying replant payment inspections are to be handled as preliminary inspections. If qualified for a replanting payment, a Certification Form may be prepared on the initial farm visit. Refer to the LAM.

**25-30** (Reserved)

## PART 4 APPRAISALS

#### 31 General Information

Potential production for all types of inspections will be appraised in accordance with procedures specified in this handbook and the LAM.

## 32 Selecting Representative Samples

## A. Determine Minimum Samples

Determine the minimum number of required samples for a field or subfield by the field size, the average stage of growth, age (size); general capabilities of the plants, variability of potential production, and plant damage within the field or subfield.

## **B.** Splitting Fields

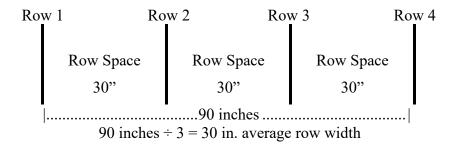
- (1) Split the field into subfields when:
  - (a) Variable damage causes the crop potential to appear to be significantly different within the same field; or
  - (b) The insured wishes to destroy a portion of a field.
- (2) Each field or subfield must be appraised separately.
- (3) Take not less than the minimum number (count) of representative samples required in exhibit 8 (Minimum Representative Sample Requirements) for each field or subfield.

## 33 Measuring Row Width for Sample Selection

Use these instructions for all appraisal methods that require row width determinations.

- (1) Use a measuring tape marked in inches or convert a tape marked in tenths, to inches, to measure row width (refer to the LAM for conversion table).
- (2) Measure across three or more row spaces from the center of the first row to the center of the fourth row (or as many rows as needed) and divide the result by the number of row spaces measured across to determine an average row width in whole inches.

## **Example:**



- (3) Where rows are skipped for tractor and planter tires, refer to the LAM.
- (4) Apply average row width in exhibit 9 to determine the length of row required for the sample row.
- (5) When two or more rows are used for a required sample row, divide the required sample row length when conducting crop appraisals by the number of rows being used. The combined length of all rows must equal the single row length.

## 34 Stages of Growth

- (1) These instructions provide growth stage information for use when appraising potential production during various stages of growth.
- (2) Sampling Procedures:
  - (a) Determine average popcorn growth stage in selected representative samples.
  - (b) Establish the stage of growth as the most advanced stage of development in which at least 50% of the plants in the representative sample have reached.
  - (c) Use the stage of growth on the date of adjustment (the date when the adjuster first appraises crop damage) when determining yield loss. The date of damage is used when applying the hail appraisal method.
- (3) Actual leaf count is used to determine stages of growth from emergence to tasseling.
  - (a) Starting with the rounded tip leaf, count all leaves developed up to, and including, the stage indicator leaf. The stage indicator leaf is that leaf which is 40 to 50 percent exposed. It is usually the uppermost leaf that is pointing below a horizontal line.
  - (b) If the rounded tip leaf cannot be determined, the node identification system will be used as follows (refer to exhibit 18, Figure A):
    - (i) Pull up the entire plant and carefully split stalk to expose stalk nodes and root whorls.

## 34 Stages of Growth (Continued)

- (ii) The sixth leaf attaches to the top of the first noticeable elongation between the stalk nodes (an internode).
- (iii) After the sixth leaf node is identified, count upward to the stage indicator leaf.
- (iv) In the early stages of the plant's development, the internodes are very compact and, therefore, difficult to distinguish. By the seventh or eighth leaf stage, the internode elongation should be easily found.
- (4) Ear development is used to determine stage of growth from tasseling to maturity (100 percent stage).
- (5) Stage Definitions. The definitions listed in exhibit 17 are based on normal or average conditions in the Corn Belt Area for 120-day or full season popcorn. There are approximately 7 days from planting to emergence, and 21 days from emergence to the 7th actual leaf stage.

## 35 Appraisals Methods

#### A. General Information

These instructions provide information on the following appraisal methods:

Appraisal Method	Use
Stand Reduction Method	for planted acreage with no emerged seed, and from emergence to the milk stage.
Hail Damage Method	for hail damaged appraisals beginning with the 7 <sup>th</sup> leaf stage and until the popcorn reaches the milk stage.
Maturity Line Weight Method	for all appraisals from the milk stage until kernel are physiologically mature and kernel moisture drops below 40 percent. If at all possible, defer appraisals to weight method.
Weight Method	for all appraisals after the kernels are physiologically mature and kernel moisture drops below 40 percent.

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#### B. Stand Reduction

- (1) This method is based on the number of surviving plants in a designated sample row length.
  - If the reduction in stand is solely due to non-emerged seed due to insufficient soil moisture, do not complete appraisals prior to the time specified in the LAM. Refer to the paragraph in the LAM regarding deferred appraisals and non-emerged seed.
- (2) Surviving plant counts, at the time of appraisal, are converted to pounds per acre by multiplying the percent of potential remaining by the base yield. Base yield is the appropriate verified yield for the acreage from the APH form.
- (3) Prior to the 11<sup>th</sup> leaf stage, the "Stand Reduction Chart" is used to determine the percent of potential remaining (exhibit 10).
- (4) In the 11<sup>th</sup> leaf to the milk stage, the yield and stand reductions are on a one-to-one ratio. (Example: 80 percent stand = 80 percent potential.)
- (5) Samples consist of 1/100 acre.

## C. Hail Damage

- (1) This method is based on the calculation of direct and indirect damage from hail to determine percent of potential remaining, converted to a pounds-per-acre appraisal.
- (2) For damage due to hail, inspections for immature popcorn shall be delayed a minimum of 7 days after damage for a more accurate damage assessment.
- (3) Direct damage includes loss from stand reduction, crippled plants, and damage to the ear and stalk.
  - (a) Stand Reduction:
    - (i) Prior to the 11<sup>th</sup> leaf stage, the "Hail Stand Reduction Loss Chart" (exhibit 11) is used to determine percent of damage due to stand reduction.
    - (ii) Beginning with the 11th leaf stage, stand reduction and yield are on a one-to-one ratio. (Example: 80 percent stand = 80 percent potential).
  - (b) Crippled Plants:
    - (i) Cripples are plants which grow to approximately normal height or less but do not produce a normal, harvestable ear. Barren stalks should not be counted as cripples.

## C. Hail Damage (continued)

(ii) Crippled plants must be individually evaluated to determine their contribution to potential yield. Cripples are not counted as totally destroyed plants. For example, in a particular sample it may take three ears from crippled plants to make an average ear (3-for-1). If 30 cripples were counted out of 100 remaining plants and evaluated on a 3-for-1 basis (.67 factor, since 2 of every 3 plants are considered damaged), the gross cripple damage would be 20 percent (.67 x 30).

## (c) Ear Damage:

Ear damage is determined by comparing the number of damaged kernels to the number of total kernels, in a sample of all harvestable ears from 10 consecutive representative plants.

## (d) Stalk Damage:

Plants having bruises on the stalk should not be counted as destroyed until such time as they actually fall over and become unharvestable. Young bruised plants usually will produce a normal (or near normal) ear. When considerable bruising is evident, the adjustment should be deferred until the actual loss can be determined.

- (4) Indirect damage is caused by defoliation (the loss of leaf area) due to hail. To determine defoliation or leaf destruction:
  - (a) select representative plants;
  - (b) remove the leaves which were exposed at the time of damage;
  - (c) determine the percent of leaf area destroyed (missing or brown areas) for each leaf;
  - (d) total the percentages; and
  - (e) divide by the number of leaves to determine the average percent. Apply the percent to the Leaf Loss table (exhibit 12).

## (5) Stage Modification Procedure:

Plant stages may not be accurate for leaf area determination when short season (short stature) field varieties which produce less than 19-21 actual leaves in a season are appraised. The stages used for defoliation determination are modified to reflect this lower potential leaf area. Determine the ultimate number of leaves to be produced by tearing the plant down. After the stage indicator leaf has been identified, dissect the plant and count the nodes or leaves not yet emerged to determine the ultimate number.

## C. Hail Damage (continued)

- (a) If the actual number of leaves to be produced cannot be determined, defer the appraisal until the actual number of leaves can be determined. At the time of deferral, accurately determine percent of defoliation as of date of loss.
- (b) When the actual leaves to be produced can be determined, refer to the Stage Modification Chart (exhibit 13), to obtain the modified stage for use with the Leaf Loss chart (exhibit 12).
- (c) No further determination of defoliation should be made at the time of a later inspection unless further damage occurs.
- (6) Samples consist of 1/100 acre.

## D. Maturity Line Weight

- (1) Select representative samples of:
  - (a) 1/100 acre, if potential appears to be 500 pounds per acre or less.
  - (b) 1/1000 acre, if potential appears to be in excess of 500 pounds per acre.
- (2) This method is based on weighing the samples which are grouped according to maturity and converting this production to pounds per acre.
- (3) The stage of maturity is established by determining where the line separating the solids and the liquid is located in the grain kernel. The solids start to form at the end opposite the kernel tip. The five stages of maturity and the number of pounds of immature-ear popcorn required to make a pound of mature shelled popcorn are as illustrated in exhibit 18, Figure C.
- (4) Pick and husk all harvestable ears in the sample area. Discard portions of ears without kernels.
- (5) Break the ears in half and with the exposed kernels on the tip end of the cob, use a pen/pencil to determine which quarter of the kernel the maturity (solids) line is located. To locate the maturity line, apply moderate pressure at the top of the kernel and draw the pencil toward the bottom of the kernel. Place both parts of each ear in an appropriate stage pile to determine the stage weights. In most samples, the ears will be in only two stages (Refer to exhibit 18, Figure C).
- (6) Use the appropriate factor for converting the stage weight to pounds per acre of mature potential production. (Refer to items 12 16 of Maturity Line Weight Method Appraisal Worksheet instructions). Total the stage weight pounds per acre to obtain the appraisal for the sample.

## E. Weight Method

- (1) This method is based on weighing the ears in a fraction of an acre, then converting this production to pounds-per-acre.
- (2) Select representative samples of:
  - (a) 1/100 acre, if potential appears to be 500 pounds per acre or less.
  - (b) 1/1000 acre, if potential appears to be in excess of 500 pounds per acre.
- (3) Pick and husk all harvestable ears in the sample area. Weigh production.
- (4) Multiply average sample weight by:
  - (a) 100 if sample size was 1/100 acre.
  - (b) 1000 if sample size selected was 1/1000 acre.

The results will be the pounds-per-acre of potential production (not adjusted for moisture, test weight, etc.).

- (5) Determine shelling percentage factor as follows:
  - (a) Select a five-pound representative ear popcorn sample, shell, and weigh.
  - (b) Apply weight to exhibit 14 to arrive at shelling percent factor. If weight of shelled popcorn is not listed in exhibit 14, divide the weight from (a) above by 5 and round to two decimals.

#### A. Deviations

Deviations in appraisal methods require FCIC written authorization (as described in the LAM) prior to implementation.

#### B. Modifications

Modifications in appraisal methods require FCIC written authorization (as described in the LAM) prior to implementation.

Modifications in appraisal methods require AIP authorization (as described in the LAM).

When applicable, with AIP approval, use the following instructions in conjunction with the appropriate appraisal methods for damage due to insurable causes.

(1) No Pollination Due to Drought, Heat, Hot Winds, and/or Insects:

Appraise popcorn as "0" (for the stand reduction method of appraisal) if, after a general survey of the crop, the adjuster finds:

- (a) Ear shoots, and the pollination period:
  - (i) has ended. Blisters on the cob are enlarged (wart-like); or
  - (ii) is in progress. Blisters on the cob are not enlarged, and all the silk has been eaten below the husk by insects.
- (b) No ear shoots, and the pollination period:
  - (i) is in progress or has ended; or
  - (ii) has not begun. The tassel is exposed and the still unexposed ear bud is less than 2 inches in length.
- (2) Poor Pollination Due to Drought, Heat, Hot Winds, and/or Insects:

Insect damage must be due to insurable causes. Refer to the CP.

Appraise popcorn based upon stand reduction only if the appraisal cannot be deferred. After normal silking to milk stage, stalks with partial pollination are considered surviving plants but only to the extent they contribute to the production of a normal ear of popcorn, i.e., if 3 ears are required to produce the grain equivalent of one normal ear, count only 1/3 of such plants. Barren stalks are not counted as surviving. Individually evaluate ears to determine total surviving plants to be entered on the appraisal worksheet. Document adjustment in the "Notes and Calculations" section of the Stand Reduction Appraisal Worksheet or on an attached Special Report.

## **B.** Modifications (continued)

(3) Severely Drought-Stunted Popcorn:

Defer the appraisal until the milk stage, at which time the maturity line method is used. If the insured does not wish to leave representative sample areas for this appraisal, or it is impractical to do so, use the stand reduction method.

## (4) Permanently Wilted Popcorn:

Note on appraisal worksheet "no production potential due to permanent wilt" and enter a zero appraisal for the affected acres. For acreage with minimal or no damage due to permanent wilt, but wilt conditions have been determined to be in the area, appraise in the normal manner unless the insured agrees to leave representative sample areas for later appraisal. Inform insured to request another appraisal within 30 days of this inspection.

Permanent wilt is caused by extremely dry soil conditions and can occur at any stage of growth. Permanent wilt is a condition where plants are stressed from lack of moisture to the extent that all leaves remain tightly rolled throughout the night. Lower plant leaves become dry and brittle and will crumble when rolled between the hands. Permanently wilted plants are damaged to the extent that they will die even if supplied moisture. From the tasseled stage forward, appraisals should be deferred until the maturity line or weight method appraisals can be used because of the difficulty with the determination of whether the popcorn will produce grain.

(5) Irregular Germination or Crop Development Due to Insured Causes:

Use the stand reduction method of appraisal based upon the number of plants capable of reaching the milk stage prior to a killing frost.

- (a) Count all plants to determine the plant population and enter in normal plant population per 1/100 acre (item 11, Stand Reduction Appraisal Worksheet).
- (b) Determine stage of growth for early-germinating popcorn and record in item 19 (Stage of Growth at Time of Damage).
- (c) Determine the stage of growth for each late-germinating popcorn plant and record in "Notes and Calculations" section (item 23, Stand Reduction Appraisal Worksheet):
  - (i) The stage of each plant; and
  - (ii) The computation of the number of days from the current stage to the milk stage for each plant and add five days (the additional five days are to account for slower plant development as the frost date approaches).

## **B.** Modifications (continued)

- (d) Compute the number of days from the appraisal date to the average killing frost date for the area (contact State Extension Service) and show calculation in "Notes and Calculations" section (item 23, Stand Reduction Appraisal Worksheet).
- (e) Count and record the number of surviving plants per 1/100 acre (item 12, Stand Reduction Appraisal Worksheet) which will reach the milk stage before the average killing frost date (include early-germinated plants).
- (f) The percent of potential (item 15, Stand Reduction Appraisal Worksheet) is equal to the percent of "surviving" plants ("surviving" plant number divided by original plant population) on a "one-for-one" basis for plants in the 11<sup>th</sup> leaf stage and beyond. Before the 11<sup>th</sup> leaf stage, the Stand Reduction Chart is used to determine the percent of potential.
- (g) The percent of potential (item 15) multiplied by the applicable APH yield results in the pound-per-acre appraisal.

## **Example:**

Some plants are in the 5<sup>th</sup>, 8<sup>th</sup>, and 10<sup>th</sup> leaf stages. Date of the appraisal is July 24. Frost date is September 25; 63 days from the date of appraisal. Late developing plants which will not reach the milk stage prior to the frost date will not be counted as surviving plants.

Plants in the 10<sup>th</sup> leaf stage will be counted as surviving, since they will reach the milk stage in <mark>58</mark> days (allowing the additional FIVE days for maturity retardation). Plants in the 8<sup>th</sup> leaf and earlier stage would not be counted as surviving, as they would not reach the milk stage prior to the frost date.

<u>STAGE</u>	DAYS TO MILK STAGE
5 <sup>th</sup> leaf 8 <sup>th</sup> leaf	73
8 <sup>th</sup> leaf	58

- (6) Appraisal Modification for Early Freeze Damage:
  - (a) When authorized by the AIP, the Maturity Line Appraisal method may be modified to more closely reflect the actual potential remaining after freeze damage. Apply the following procedure on a case-by-case basis only as circumstances warrant.

## **B.** Modifications (continued)

- (b) Document on a Special Report, all pertinent information regarding the loss such as the popcorn hybrid planted, the maturity rating of the popcorn, whether the late planting provisions apply, planting (and any replanting) dates, the practicality of any late replanting, extent of freeze damage to popcorn in the area (whether general or isolated), date of normal freeze, date(s) of damaging freeze(s), and specifically why the popcorn did not escape freeze damage. Do not apply the appraisal modification for early freeze damage if it is determined that the insured could have prevented the damage through proper farming practices. The modification is only applied on popcorn that is less than fully mature. QA procedures do not apply when using the freeze modification. The stage of popcorn on the date of final adjustment must be used when applying the modification factors. Do not backstage to the stage at the date of freeze.
- (c) The conditions that determine the extent of damage are the maturity of the plant at the time of freeze and the number of leaves killed above the ear-stalk attachment. If the freeze occurs when the maturity line method of appraisal is applicable (except 100 percent stages), adjustments to the maturity line appraisal are allowed if all the leaves above the base of the ears are killed by the freeze. For:
  - (i) 25 percent stage count 25 percent of the appraisal.
  - (ii) 50 percent stage count 50 percent of the appraisal.
  - (ii) 75 percent stage count 75 percent of the appraisal.
  - (iii) 95 percent stage count 95 percent of the appraisal.
- (d) The adjustments do not apply if:
  - (i) Kernels are in the 100 percent stage -- use normal appraisal.
  - (ii) Any leaves remain alive above the base of the ear (regardless of stage) -- use normal appraisal; or
  - (iii) Kernels are in the pre-25 percent stage (leaves are all killed above the base of the ear) ear has no potential. If all ears are in this category, appraise at zero.
- (e) For purposes of this appraisal modification, "early freeze damage" refers to a freeze which occurs early enough in the popcorn's growth stages to cause damage to the developing ears, without regard to its relationship to the calendar date of occurrence. The calendar date of the freeze is important, however, in determining whether the insured could have prevented the damage through proper farming practices.
- (f) Freeze is not an insurable COL if the freeze or frost occurs after the date designated in the SP.

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## 37 General Information for Appraisal Worksheet Entries and Completion Procedures

- (1) Include the AIP's name in the appraisal worksheet title if not preprinted on the worksheet or when a worksheet entry is not provided.
- (2) Include the claim number on the appraisal worksheet (when required by the AIP) when a worksheet entry is not provided.
- (3) Separate appraisal worksheets must be completed for each unit appraised, and for each field or subfield including fields or subfields with a different APH yield or farming practice (applicable to replant, preliminary, and final claims). Refer to Part 4, paragraph 32 for sampling requirements.
- (4) When a remarks section is not included on the form, document pertinent information about the appraisal, including any appropriate calculations, on a Special Report and attach to the worksheet.
- (5) Standard appraisal worksheet items are numbered consecutively in exhibits 3 6. Example appraisal worksheets are also provided to illustrate how to complete item entries.
- (6) For all zero appraisals, refer to the LAM.

## **38-50** (Reserved)

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## PART 5 PRODUCTION WORKSHEET

## 51 General Information for Production Worksheet Entries and Completion Procedures

- (1) The PW is a progressive form containing all notices of damage for all preliminary, replant, and final inspections on a unit.
- (2) If a PW has been prepared on a prior inspection, verify each entry and enter additional information as needed. If a change or correction is necessary, strike out all entries on the line and re-enter correct entries on a new line. The adjuster and insured should initial any line deletions.
- (3) Refer to the LAM for instructions regarding the following:
  - (a) Acreage report errors.
  - (b) Delayed notices and delayed claims.
  - (c) Corrected claims or fire losses (double coverage) and cases involving uninsured causes of loss, unusual situations, controversial claims, concealment, or misrepresentation.
  - (d) Claims involving a Certification Form (when all the acreage on the unit has been appraised to be put to another use, when acreage is being appraised for a replanting payment and all acreage on the unit has been initially planted, or other reasons described in the LAM).
  - (e) "No Indemnity Due" claims (which must be verified by an appraisal or notification from the insured that the production exceeded the guarantee).
  - (f) Late planting.
- (4) Refer to the PPSH for information on prevented planting.
- (5) The adjuster is responsible for determining if any of the insured's requirements under the notice and claim provisions of the policy have not been met. If any have not, the adjuster should contact the AIP.
- (6) Instructions labeled "**Preliminary**" apply to preliminary inspections only. Instructions labeled "**Replant**" apply to replant inspections only. Instructions labeled "**Final**" apply to final inspections only. Instructions not labeled apply to all inspections.
- (7) The AIP may complete a separate PW for each type planted in the unit.

(8) If the AIP determines the claim is to be denied, refer to the LAM for PW completion instructions.

**52-60 (Reserved)** 

The following table provides the acronyms and abbreviations used in this handbook.

Approved Acronym/Abbreviation	Term
AIP	Approved Insurance Provider
APH	Actual Production History
BP	Basic Provisions
CAT	Catastrophic Risk Protection
CIH	Crop Insurance Handbook
COL	Cause of Loss
CP	Crop Provisions
DF	Discount Factor
DSSH	Document and Supplemental Standards Handbook
FCIC	Federal Crop Insurance Corporation
FGIS	Federal Grain Inspection Service
<b>GSH</b>	General Standards Handbook
LAM	Loss Adjustment Manual
PPSH	Prevented Planting Standards Handbook
PTC	Production to Count
PW	Production Worksheet
<mark>QA</mark>	Quality Adjustment
QAF	Quality Adjustment Factor
RIV	Reduction in Value
RMA	Risk Management Agency
SP	Special Provisions
SRA	Standard Reinsurance Agreement
<b>UUF</b>	Uninsured Unavoidable Fire
WA	Written Agreement

<u>Base Contract Price</u> means the price stipulated on the contract executed between the insured and the processor before any adjustments for quality.

Merchantable Popcorn means popcorn that meets the provisions of the processor contract.

Verify and/or make the following entries for each appraisal worksheet element/item number. A completed appraisal worksheet example is at the end of this exhibit. For general form standards and other general information, see subparagraph 2D and paragraph 37.

	Element/Item Number	Standard
	Company	Name of AIP if not preprinted on the worksheet (Company Name).
1.	Insured's Name	Name of the insured that identifies exactly the person (legal entity) to whom the policy is issued.
2.	Policy Number	Insured's assigned policy number.
3.	Unit No.	Unit number from the Summary of Coverage after it is verified to be correct.
	Claim Number	Claim number as assigned by the AIP.
4.	Crop	"Popcorn."
5.	Crop Year	Four-digit crop year, as defined in the policy, for which the claim is filed.
6.	FSA Farm No.	FSA farm number, if applicable.
7.	Field No.	Field or subfield identification symbol.
	No. of Acres	Number of determined acres, to tenths, in the field or subfield being appraised.
8.	Row Width	Row width to nearest inch. Refer to Part 4, Paragraph 33 for row width determination information.
9.	Base Yield	Enter the approved APH yield to nearest whole pound from the APH form, after verifying to be correct.
10.	Sample No.	Make no entry.
11.	Normal Plant Population 1/100 acre	Determine by counting the potential (living, dead, missing, and non-emerged) plants in a length of row equivalent to 1/100 acre, rounded to the nearest multiple of ten.
12.	No. of Surviving Plants 1/100 Acre	Number of surviving plants in the same sample.
13.	Percent of Stand	Make no entry.
14.	Round Col. 13 to nearest 5 percent	Make no entry.

15.	Percent of Potential	Enter percent of potential as follows:
		a. Determine stage of growth at time of damage and enter in item 19.
		b. Before 11 <sup>th</sup> leaf stage, use Stand Reduction (exhibit 10) and enter percent potential to nearest whole percent, after interpolating.
		c. In 11 <sup>th</sup> leaf stage and beyond, enter result of dividing number of
		surviving plants (item 12) by normal plant population (item 11) to
		whole percent.
16.	Base Yield	Repeat entry from item 9.
17.	Appraisal for	Result, to rounded whole pounds, of multiplying percent of potential
	Sample	(item 15) expressed as a decimal by the base yield (item 16).
18.	Total	Sum of entries in item 17 to whole pounds.
19.	Stage of Growth at Time of Damage	Stage of growth at time of damage (refer to Paragraph 34).
20.	Total Appraisals	Repeat entry from item 18.
	for all Samples	
21.	No. of Samples	Enter total number of samples.
22.	Appraisal per	Result (rounded to whole pounds) by dividing total appraisals for all
	Acre/Field	samples (item 20) by the total number of samples (item 21).
23.	Notes and	Remarks pertinent to the appraisal, sampling, and conditions in general
	Calculations	(e.g. – very hot and dry), etc.
	U 1	ired entries are not illustrated on the Appraisal Worksheet example
	below.	
24.	Insured's Signature	Insured's (or insured's authorized representative's) signature and date.
	and Date	Before obtaining insured's signature, review all entries on the appraisal
		worksheet with the insured, (or insured's authorized representative)
		particularly explaining codes, etc., which may not be readily understood.
25.	Adjuster's	Signature of adjuster, code number, and date signed after the insured (or
	Signature, Code	insured's authorized representative) has signed. If the appraisal is
	No., and Date	performed prior to signature date, document the date of appraisal in the
		Remarks/Narrative section of the Appraisal Worksheet (if available);
	Da wa Mwai 1	otherwise, document the appraisal date in the Narrative of the PW.
	Page Number	Page numbers - (Example: Page 1 of 1, Page 1 of 2, Page 2 of 2, etc.).

FOR ILLUS	STRATION PURP	OSES ONLY	COMPANY		1. INSU	JRED'S NAI	2. POLICY NUMBER			
			ANY CO	MPANY		I.M	. INSU	JRED		XXXXXXX
	STAND REDU		3. UNIT NO.	CLAIM NUMBER	ı	4. CR0				5. CROP YEAR
	PPRAISAL WO		0001-0001BU	XXXXX	XXX		POF	CORN		YYYY
'	Corn and Grain: HYBRID SEED	orgnum, CORN.	6. FSA FARM NO.	7. FIELD NO.				WIDTH	9. BASE Y	
HYBRI	D SORGHUM SE	ED, POPCORN)	106	8	30.0	3	0"		2000	
COMPUTA	TIONS			A					1	
			LIVERID CORC	NUMBEED AND						
				GHUM SEED AND RGHUM ONLY						
SAMPLE	NORMAL PLANT POPULATION	NO. OF SURVIVING PLANTS	PERCENT OF	ROUND COL. 13 T NEAREST 5	ТО	PERCENT	OF			APPRAISAL FOR SAMPLE
NO.	1/100 ACRE	1/100 ACRE	STAND	PERCENT		POTENT		BASE	YIELD	(COL. 15 X 16)
10	11	12	13	14		15			16	17
1	220	36				37	>	\ <u>2</u> (	000	= 740
2	220	32				34	>	l < 20	000	= 680
3	220	23				27	)	< 20	000	= 540
4	220	42				41			000	= 820
5	220	51				47			000	0.40
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6							)	 <b>{</b>		 = -
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8	After 10 <sup>th</sup> le	af stage, percent poter	ntial is in direct propo	rtion to percent sta	nd: Col.	. 12 ÷ Col. 1	11	 <		=
9							)	\ <		=
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									18. TOTAL	3720
19. STAGE	OF GROWTH AT TI		20. TOTAL APPRAISA SAMPLES	ALS FOR ALL 21.	NO. OF S	SAMPLES		22. APPR	AISAL PER	ACRE/FIELD
	8 <sup>th</sup> Lea	ıf	3720	÷		5	=	=	744	LBS.
23. NOTES	AND CALCULATION	NS								

Verify and/or make the following entries for each appraisal worksheet element/item number. A completed appraisal worksheet example is at the end of this exhibit. For general form standards and other general information, see subparagraph 2D and paragraph 37.

	Element/Item	Standard
	Number	
	Company	Name of AIP if not preprinted on the worksheet (Company Name).
	Claim No.	Claim number as assigned by the AIP.
1.	Insured's Name	Name of the insured that identifies exactly the person (legal entity) to whom the policy is issued.
2.	Policy No.	Insured's assigned policy number.
3.	Unit Number	Unit number from the Summary of Coverage after it is verified to be correct.
4.	Crop	"Popcorn."
5.	Crop Year	Four-digit crop year, as defined in the policy, for which the claim is filed.
6.	FSA Farm No.	FSA Farm Number, if applicable.
7.	Field No.	Field or subfield identification symbol.
8.	Ultimate No. of Leaves	Make no entry.
9.	Base Yield	The approved yield, to the nearest whole pound, from the APH form after verifying to be correct.
10.	Sample No.	Make no entry.
11.	Normal No. of Plants 1/100 acre	Normal plant population (original stand) – determine by counting the potential (living, dead, missing or non-emerged) plants in a length of row equivalent to 1/100 acre, rounded to the nearest multiple of ten. Refer to exhibit 9.
12.	No. Plants Totally Destroyed 1/100 Acre	Number of plants totally destroyed. If totally destroyed plants cannot be accurately counted, complete item 13 and enter result of subtracting remaining stand (item 13) from normal number of plants (item 11).
13.	Remaining Stand No. Plants 1/100 Acre	Determine the number of remaining plants or enter the result of subtracting number of plants totally destroyed (item 12) from normal number of plants (item 11).

14.	% Damage from Stand Reduction	Determine and enter percent of damage (to whole percent).								
	(Exhibit 11)	a. From 7 <sup>th</sup> through 10 <sup>th</sup> leaf stages, use "Hail Stand Reduction Loss" (exhibit 11) based on entries in item 11 (normal number of plants) and item 13 (remaining stand number of plants). Interpolate to nearest whole percent.								
		b. After 10 <sup>th</sup> leaf stage, divide number of plants totally destroyed (item 12) by normal number of plants (item 11), round to nearest whole percent.								
15.	% Cripples (Corn	Determine entry as follows (refer to sample on worksheet for								
	Only)	calculations and subparagraph 35 C (3) (b) for definition):								
		a. Count the number of cripples in 100 remaining live plants.								
		b. Individually evaluate the ears on the crippled plants to determine the gross damage from cripples.								
		c. Multiply this gross percent times the remaining crop (100 – percent damage from stand reduction table (item 14)) to obtain the net percent of damage. Round to nearest tenth.								
16.	% Ear Damage	a. If no ear damage – make no entry.								
	(Corn)	b. If ear damage:								
		(1) Select all ears from 10 consecutive representative plants.								
		(2) Determine the total number of kernels on all ears.								
		(3) Determine the total number of damaged kernels on sample ears. The gross percent of ear damage is determined by dividing the total number of kernels damaged by the total number of kernels.								
		(4) Determine net percent of ear damage by multiplying the gross percent times the remaining crop (100 – item 14 – item 15) and enter the results in item 16, to tenths.								

17.	Total Direct	Sum of items 14, 15 and 16.
	Damage	
18.	Potential	Result of subtracting entry in total direct damage (item 17) from 100.
	Remaining	
19.	% Leaf Area	Determine and enter percent of leaf area destroyed.
	Destroyed	
20.	% Damage for	Percent of damage for leaf destruction based on exhibit 12, percent leaf
	Leaf Destruction	area destroyed (items 19) and stage of plant growth at time of damage
		(item 27), to nearest tenth percent.
21.	Net Indirect	Result (rounded to tenths) of multiplying potential remaining (item 18)
	Damage	by percent damage for leaf destruction (item 20).
22.	% Damage from	Sum of total direct damage (item 17) and net indirect damage (item 21),
	Hail	to tenths.
23.	% Potential	Result (to tenths) of subtracting percent damage from hail (item 22) from
	Production	100 (to nearest tenth).
	Remaining	
24.	Base Yield	Repeat the approved yield entry from item 9 (Base Yield).
25.	Appraisal For	Result (rounded to whole pounds) of multiplying percent potential
	Sample	production remaining (item 23 expressed as a decimal), by base yield
		(item 24).
26.	Total	Sum of appraisal for sample entries (item 25).
27.	Stage of Plant	Stage of growth at time of damage.
	Growth at Time of	
	Damage	
28.	Total All Samples	Transfer entry from item 26.
29.	No. Samples	Total number of samples.
30.	Per Acre Appraisal	Result of dividing total all samples (item 28) by number of samples (item
	Bu.	29), rounded to whole pounds.
31.	Remarks	Remarks pertinent to the appraisal, sampling, conditions in general (e.g.
		– very hot and dry), etc. Show calculations converting cripples to net
		percent of damage as shown on sample worksheet.
The	following required	entries are not illustrated on the Appraisal Worksheet example below.
32.	Insured's	Insured's (or insured's authorized representative's) signature and date.
	Signature and Date	Before obtaining insured's signature, review all entries on the Appraisal
		Worksheet with the insured, (or insured's authorized representative)
		particularly explaining codes, etc., which may not be readily understood.
33.	Adjuster's	Signature of adjuster, code number, and date signed after the insured (or
	Signature, Code	insured's authorized representative) has signed. If the appraisal is
	No. and Date	performed prior to signature date, document the date of appraisal in the
		Remarks/Narrative section of the Appraisal Worksheet (if available);
		otherwise, document the appraisal date in the Narrative of the PW.
	Page Number	Page numbers - (Example: Page 1 of 1, Page 1 of 2, Page 2 of 2, etc.).
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(EOD II	LUCTDATI	ION BUDD	OSES ONLY		mpany		ny Cor				С		m No		XXXXXX	XX
(FOR IL	LUSIKAII	ION FUKE	OSES UNL	1) 1. INSU			_	Z. POI	LICY NO.						4. CROP	
4 DD		DAMAG		5 CRO	I. M. P YEAR	INSURE	D FARM NO	7 FIEI	D NO		ULTIM		0001-000 NO. OF L		POPO 9. BASE	CORN
	RAISAL orn and C															
COMPL	TATION	c c		Y	YYY		106		A					20	2000	
COMIT	IAIION										$\overline{}$					
SAMPLE NO.	NORMAL NO. OF PLANTS 1/100 ACRE	NO. PLNTS TOTALLY DESTROYED 1/100 ACRE	REMAINING STAND NO. PLANTS	% DAMAAGE FROM STAND REDUCTION (CHART)	%CRIPPLE (CORN ONLY)	% EAR DAMAGE (CORN) %HEAD DAMAGE (GRAIN SORGHUM)	GRAIN SORGHUM)  TOTAL DIRECT DAMAGE (14+15+16)  POTENTIAL REMAINING		% LEAF AREA DESTROYED	% DAMAGE FOR LEAF DESTRUCTION (CHART)	NET INDIBECT DAMAGE (18	X 20)	% DAMAGE FROM HAIL (17+21)	% POTENTIAL PRODUCTION REMAINING (100 – 22)	BASE YIELD	APPRAILSAL FOR SAMPLE (23 X 24)
10	11	12	13	14	15	16	17	18	19	20	2	21	22	23	24	25
1	240	201	39	63	6.2		69.2	30.8	45	1.0	(	).3	69.5	30.5	2000	610
2	230	189	41	61	7.8		68.8	31.2	40	1.0	(	).3	69.1	30.9	2000	618
3	240	198	42	61	7.3		68.3	31.7	40	1.0	(	).3	68.6	31.4	2000	628
4	240	216	24	73	1.8		74.8	25.2	45	1.0	(	).3	75.1	24.9	2000	498
5	240	205	35	65	5.9		70.9	29.1	45	1.0	(	).3	71.2	28.8	2000	576
6																
7																
8																
9																
													26	. TOTAL	. 29	30
27. STAG	E OF PLAN	T GROWT	H AT TIME	OF DAMA	GE	28. TOTA	L ALL SAN	MPLES	29. NO. S	SAMPLE	ES		30. PER	ACRE API	PRAISAL	
		7 <sup>TH</sup>	leaf			2930		÷	5		=	=	586			
31. REMARKS																
Net percent cripple damage Percent Sample Percent Damage						Perce Dama	.ge	R	Percent Remaining			Net Percent cripple				
1	umber Cripples  25 x  30 x  28 x		.67 .67 .67	= = =	16.8 20.1 18.8	X	1	37 39 39	= =	d	6.2 7.8 7.3	е				
2 3 4 5	1	0 x 5 x		.67 .67	=	6.7 16.8	X		27 35	=		1.8 5.9				

Verify and/or make the following entries for each appraisal worksheet element/item number. A completed appraisal worksheet example is at the end of this exhibit. For general form standards and other general information, see subparagraph 2D and paragraph 37. Complete heading items 1 through 7, and Part II items 20 through 32.

	Element/Item	Standard
	Number	
	Company	The AIP's name if not preprinted on the worksheet (Company Name).
	Claim Number	Claim number as assigned by the AIP.
1.	Insured's Name	Name of the insured that identifies exactly the person (legal entity) to
		whom the policy is issued.
2.	Policy No.	Insured's assigned policy number.
3.	Unit No.	Unit number from the Summary of Coverage after it is verified to be correct.
4.	Crop	"Popcorn."
5.	Crop Year	Four-digit crop year as defined in the policy for which the claim has been filed
6.	FSA Farm No.	FSA farm number.
7.	Circle Appraisal	Circle "PEC" for ear popcorn.
	Code	
8. –		Make no entry.
		LINE WEIGHT METHOD (from milk stage until kernels are fully
	are and moisture drop	
20.	Field ID	Field or subfield identification symbol.
22.	Stage	Make no entry.
23.	Fraction of Acre	Use "1/100," if potential appears to be 500 pounds per acre or less, or
		"1/1000," if potential appears to be in excess of 500 pounds per acre.
24.	Weight by Stage	Pound weight, to tenths, for each sample by stage of maturity. Determine
		weights by:
		(1) Picking and husking all harvestable ears from the sample.
		(2) Discarding portions of ears having no kernels.
		(3) Determining maturity line of each ear in order to determine its stage.
		(4) Sorting ears by stage and weighing all ears in stage (pounds to tenths).

25.	Total Weight All Sample Plots	Total of sample weights from all sample plots for that stage (to tenths).
26.	Yield Factor	Use appropriate factor for fraction of an acre used.
27.	Appraisal Per Stage	Result of multiplying Total Weight All Sample Plots (item 25) by appropriate yield factor (item 26), rounded to whole pounds.
		For appraisal modifications for early freeze damage, multiply the result of appraisal per stage by the appropriate freeze damage appraisal adjustment, to whole pounds and make a notation of adjustment in the remarks section of the appraisal worksheet. Refer to subparagraph 36 (6).
28.	Total Appr. All Stages	Sum of entries in item 27 (Appraisal Per Stage), in whole pounds.
29.	Total No. Rep. Sample Plots	Number of sample plots.
30.	Acre Appraisal	Result of dividing the total appraisal for all stages (item 28) by the total number of representative sample plots (item 29), rounded to whole pounds.
	Remarks	Remarks pertinent to the appraisal, sampling, conditions in general (e.g. – very hot and dry), etc.
	The following requbelow.	ired entries are not illustrated on the Appraisal Worksheet example
31.	Insured's Signature, and Date	Insured's (or insured's authorized representative's) signature and date. Before obtaining the insured's signature, review all entries on the Appraisal Worksheet with the insured (or insured's authorized representative's), particularly explaining codes, etc., which may not be readily understood.
32.	Adjuster's Signature, Code No., and Date	Signature of adjuster, code number, and date signed after the insured (or insured's authorized representative) has signed. If the appraisal is performed prior to signature date, document the date of appraisal in the Remarks section of the Appraisal Worksheet (if available); otherwise, document the appraisal date in the Narrative of the PW.
	Page Number	Page numbers – (Example: Page 1 of 1, Page 1 of 2, etc.).

COMPANY Any Compa		CLAIM NU		1	sured's Insure			2. POLIC		XXXX	3.	UNIT NO. 0002-000			and enter i GRAIN SOI	RCLE APPRAISAL CODE tter in Col. 10 Part 1 I SORGHUM – GS ORN – EC		
POPC	ORN	5. CROP	Y	]	RM NO.	1000 if s	mple size sele ample size se	lected was 1	/1000 acre	14.3 if sa	CO mple size select mple size select	ed was 1/100 acre ed was 1/1000 acre.3	le size selec	SORGHUM eted was 1/100 ated was 1/1000				
FIELD IN FIELD 8 9			FRACTION OF ACRE 11		Rl	ECORD IN	EACH BLOMPLE PLC	ОСК ТНЕ		TOTAL ALI	WEIGHT L SAMPLE PLOTS 13	NO. OF SAMPLE PLOTS 14	AVG. SAM WEIGHT F FIELD 15	ER	YIELD FACTOR 16	PER ACRE YIELD (CIRCLE ONE) 17 BUSHELS	POPCOI GRAIN S	URE CORN RN AND ORGHUM '/FACTOR 19. SHELLING
										=   -   -   -   -   -   -   -   -   -		÷ = + + + + + + + + + + + + + + + + + +	=	x x x	=	TONS POUNDS  BUSHELS TONS POUNDS  BUSHELS TONS POUNDS  POUNDS	PERCENT 18. MOISTURE  PERCENT 18. MOISTURE	VFACTOR 19. SHELLING
FIELD	1	FRAC- TION OF					INE WEIG he Pounds p				om milk stag	e until kernels ard TOTAL WEIG SAMPL	HT ALL		ture drops b LD FACTOR 26		REPRESENTATIVE S	
ID 20	STAGE 22	ACRE 23	Plot 1	Plot 2	Plot 3	Plot 4	Plot 5	Plot 6	Plot 7	Plot 8	Plot 9	PLOTS 25		Corn	Popcorn	PER STAGE		tential appears to be
С	1/4	1/100	6.1	3.3	3.3	0.0	0.0					= 12.7	x	1.148	40.0	= 508		otential appears to
Acreage in Field to tenths	1/2	1/100	7.1	6.5	4.4	5.2	6.3					29.5	x	1.057	42.0	= 1239	REPRESENTATI (Corn, Grain	
21		1/1000	6.9	4.1	3.2	0.0	0.0				<del>                                     </del>	14.2		1.009	420.0		20 bushels/acre	
20.0	3/4	1/1000	0.9	4.1	3.2	0.0	0.0					= 14.2	x	10.09	450.0	= 639	be in excess of 2	otential appears to 20 bushels/acre.
		1/100	3.5	0.0	0.0	0.0	0.0					3.5		1.052	47.0	165		
	Doughy	1/1000										 [	x	10.52	470.0	= 165 		
	Extended	1/100										=	x	1.187	59.0	=	TOTAL NO. REP. SAMPLE PLOTS 29	ACRE APPRAISAL 30
REMARKS The fo		es showi	ı above	are fo	or illus	stration	n purpo	ses on	ly. No	ormally	, popcoi	rn is in only	y two sta	ges.		28 TOTAL APPR. ALL STAGES 2551	5	= 510

Verify and/or make the following entries for each appraisal worksheet element/item number. A completed appraisal worksheet example is at the end of this exhibit. For general form standards and other general information, see subparagraph 2D and paragraph 37. Complete heading, items 1 through 7, Part I items 8 through 19, and Part II items 31 and 32.

	Element/Item Number	Standard
	Company	The AIP's name if not preprinted on the worksheet (Company Name).
	Claim Number	Claim number as assigned by the AIP.
1.	Insured's Name	Name of the insured that identifies exactly the person (legal entity) to whom the policy is issued.
2.	Policy No.	Insured's assigned policy number.
3.	Unit No.	Unit number from the Summary of Coverage after it is verified to be correct.
4.	Crop	"Popcorn."
5.	Crop Year	Four-digit crop year as defined in the policy for which the claim has been filed.
6.	FSA Farm No.	FSA farm number.
7.	Circle Appraisal Code	Circle "PEC" for ear popcorn.
		Part I – Weight Method
Use	this method for when	kernels are fully mature and moisture drops below 40 percent.
8.	Field ID	Field or subfield identification symbol.
9.	Acres in Field	Number of determined acres, to tenths, in field or subfield being
		appraised
10.	Kind of Appr.	Enter "PEC."
11.	Fraction of Acre	Enter "1/100," if potential appears to be 500 pounds per acre or less. Enter "1/1000," if potential appears to be in excess of 500 pounds per acre.
12.	Weight per Sample	Weight for each sample (pounds, to tenths).
13.	Total Weight All Sample Plots	Sum of entries in item 12 (pounds, to tenths).
14.	No. of Sample Plots	Number of sample plots.
15.	Avg. Sample Weight per Field	Result, rounded to tenths, of dividing total weight of all samples (item 13) by the number of sample plots (item 14).
16.	Yield Factor	If entry in item 11 is 1/100, enter "100." If entry in item 11 is 1/1000, enter "1000."
17.	Per Acre Yield	Result, to whole pounds, of multiplying average sample weight per field (item 15) by the yield factor (item 16). Circle "pounds".
18.	Moisture	Record moisture percentage, if in excess of 15.0 (through 40) percent, rounded to tenths.

19.	Shelling	Shelling percentage factor (to whole percent).  To determine shelling percentage for ear popcorn:  a. Husk 5 lbs. of ear popcorn. b. Shell all ears and weigh grain. c. Apply weight to exhibit 14, column (3) to get shelling							
		percent. d. Enter shelling percent to whole percent.							
	Remarks	Remarks pertinent to the appraisal, sampling, conditions in general (e.g. – very hot and dry), etc.							
	The following requ	nired entries are not illustrated on the Appraisal Worksheet example							
31.	Insured's Signature, and Date	Insured's (or insured's authorized representative's) signature and date. Before obtaining the insured's signature, review all entries on the Appraisal Worksheet with the insured (or insured's authorized representative), particularly explaining codes, etc., which may not be readily understood.							
32.	Adjuster's Signature, Code No., and Date	Signature of adjuster, code number, and date signed after the insured (or insured's authorized representative) has signed. If the appraisal is performed prior to signature date, document the date of appraisal in the Remarks section of the Appraisal Worksheet (if available); otherwise, document the appraisal date in the Narrative of the PW.							
	Page Number	Page numbers – (Example: Page 1 of 1, Page 1 of 2, etc.).							

# Form Standards – Appraisal Worksheet for Weight (Continued)

(FOR II	LLUSTRA	TION PU	RPOSES	ONLY)		WEIGH	Т МЕТН	OD APP	RAISAL												
COMPANY		CLAIM NU		1. II I. M. Ins	NSURED'S ured	SNAME	F	2. POLICY XXXXXX			3.		UNIT NO. 0001-0001	IBU				7. CIRCLE APPRAISAL CODE and enter in Col. 10 Part 1 GRAIN SORGHUM – GS			
Any Comp 4. CRC POPCORN	P.	5. CROP YR. 6. FSA FARM NO. YIELD FACTOR YYYY 106 POPCORN CORN CORN GRAIN S.  100 if sample size selected was 1/100 acre 1.43 if sample size selected was 1/100 acre 1.43 if sample size selected was 1/1000 acre. 1.43 if sample size selected was 1/1000 a						POPCORN - CORN SILA IN SORGHUM GRAIN SOF selected was 1/100 acre			EAR CORN POPCORN - CORN SILA	– EC - (PEC)									
PART I – N	IATURE EA	R CORN -	- POPCOR	N – HYBF	RID SEED	(corn, gra	in sorghu	m) – GRA	IN SORG	HUM ANI	D SILAGE	WEIG	HT METHO	D							
FIELD ID 8	ACRES IN FIELD 9	KIND OF APPR 10.	FRACTIO OF ACRE 11	N			D IN EACH BLOCK THE R SAMPLE PLOT TO TENTHS 12			TOTAL WEIGHT ALL SAMPLE PLOTS 13			NO. OF SAMPLE PLOTS 14	AVG. SAMPLE WEIGHT PER FIELD 15		YIE FAC	ΓOR	PER ACRE YIELD (CIRCLE ONE) 17		FOR MATU POPCOR GRAIN SO	N AND
В	10.0	PEC	1/100	4.3	6.2	5.1	3.9	5.0		=	24.5	÷	5 =	4.	4.9 x		100 =	BUSHELS TONS (POUNDS		PERCENT/ 18. MOISTURE 20.5	FACTOR 19. SHELLING 80
										=		÷	=	=	:	x	=	BUSHELS TONS POUNDS		PERCENT/ 18. MOISTURE	FACTOR 19. SHELLING
		T									r corn until k		are fully mat								
FIELD ID	STAGE	FRAC- TION OF ACRE				ich Block th	24				71 0	- T	OTAL WEIGI SAMPLI PLOTS	.E		20		APPR. PER S	AISAL TAGE	REPRESENTATIVE S (Popco)	m)
20	22	23	Plot 1	Plot 2	Plot 3	Plot 4	Plot 5	Plot 6	Plot 7	Plot 8	Plot 9		25				Popcorn			<ol> <li>1/100 acre if potention</li> <li>500 lbs./acre or less.</li> </ol>	tial appears to be
	1/4	1/100										= I			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		40.0	- = I	i	2. 1/1000 acre if pote in excess of 500 lbs./ac	
Acreage in Field to	1/2	1/100										_			1.0	_	42.0	=		REPRESENTATIV (Corn, Grain S	
tenths 21		1/1000										Ī			10	.57 4	20.0			1. 1/100 acre if poten	tial appears to be
	3/4	1/100										ļ			l . <u>1.(</u>	009	45.0	=	-	20 bushels/acre or less.	tial appears to be
	74	1/1000										= 			10	<mark>.09</mark> 4	50.0	ĺ		2. 1/1000 acre if pote n excess of 20 bushels	
		1/100										J			1.0	) <mark>52</mark>	47.0	<u> </u>	*	6.16655 61 20 6 451615	
	Doughy	1/1000										Ī			10	.52 4	70.0	_ 			
		1/100													1.1	. <mark>87</mark>	59.0				
	Extended	1/1000										=		,	11	. <mark>87</mark> 5	90.0	=		TOTAL NO. REP. SAMPLE PLOTS 29	ACRE APPRAISAL 30
REMARKS	:	1	1	<u> </u>	1	1				I	1							28 TOTAL APPR. AL STAGE	L '	=	

Verify and/or make the following entries for each PW element/item number. A completed PW example is at the end of this exhibit. For general form standards and other general information, see subparagraph 2D and paragraph 51.

	Element/Item Number	Description
1.	Crop/Code #	"Popcorn" (0043).
2.	Unit #	Unit number from the Summary of Coverage after it is verified to be correct.
3.	Location Description	Land location that identifies the legal description, if available, and the location of the unit (e.g., section, township, and range; FSA Farm Numbers; FSA Common Land Units (CLU) and tract numbers; GPS identifications; or Grid identifications) as applicable for the crop.
4.	Date(s) of Damage	First three letters of the month(s) during which the determined insured damage occurred for the inspection and cause(s) of loss listed in item 5 below. If no entry in item 5 below make no entry. For progressive damage, enter the month that identifies when the majority of the insured damage occurred. Include the specific date where applicable as in the case of hail damage (e.g., Aug 11). Enter additional dates of damage in the extra spaces, as needed. If more space is needed, document the additional dates of damage in the Narrative (or on a Special Report). Refer to the illustration in item 6 below. If there is no insurable COL, and a no indemnity due claim will be completed, make no entry.
5.	Cause(s) of Damage	Name of the determined insured cause(s) of damage for this crop as listed in the LAM for the date(s) of damage listed in item 4 above. If an insured cause(s) of damage is coded as "Other," explain in the Narrative. Enter additional causes of damage in the extra spaces, as needed. If more space is needed, document the additional determined insured causes of damage in the Narrative (or on a Special Report). Refer to the illustration in item 6 below.  If it is evident that no indemnity is due, enter "no indemnity due" across the columns in Item 5 (refer to the LAM for more information on no indemnity due claims).

<b>Element/Item Number</b>		Description				
6.	Insured Cause %	Preliminary: Make no entry.				
		Replant and Final: Whole percent of damage for the insured cause of damage listed in item 5 above. Enter additional "Insured Cause %" in the extra spaces, as needed. If additional space is needed, enter the additional determined "Insured Cause %" in the Narrative (or on a Special Report). The total of all "Insured Cause %" including those entered in the Narrative must equal 100%.  If there is no insurable COL, and a no indemnity due claim will be completed, make no entry.				
		Example entries for items 4 multiple dates of damage, the and insured cause percent:				
		4. Date(s) of Damage	MAY	JUN 30	AUG	
		5. Cause(s) of Damage Excess Hail Drought Moisture				
		6. Insured Cause %	40	20	30	
		Narrative: Additional date of damage – SEP 5; Cause of Damage – Freeze; Insured cause percent - 10%.				
7.	Company/Agency	Name of company and agency servicing the contract.				
8.	Name of Insured	Name of the insured that identifies exactly the person (legal entity) to				
9.	Claim #	whom the policy is issued.	ov the AID			
10.	Policy #	Claim number as assigned by the AIP.  Insured's assigned policy number.				
11.	Crop Year	Four-digit crop year, as defined in the policy, for which the claim is filed.				
12.	Additional Units	Preliminary and Replant: Make no entry.				
		Final: Unit number(s) for final inspection. A non-los completed. Additional non If more spaces are needed fidentified as "Non-Loss Un Special Report.	all non-loss us unit is any loss units moreon	units for the unit for wh and be enter units, enter	red on a single PW.  the unit numbers,	

Elen	nent/Item Number	Description		
13.	Est. Prod. Per Acre	Preliminary and Replant: Make no entry.		
		<b>Final:</b> Estimated yield per acre, in whole pounds of all non-loss units		
		for the crop at the time of final inspection.		
14.	Date(s) Notice of	Preliminary:		
	Loss			
		a. Date the first or second notice of damage or loss was given for the unit in item 2, in the 1st or 2nd space, as applicable. Enter the complete date (MM/DD/YYYY) for each notice.		
		b. A notice of damage or loss for a third preliminary inspection (if needed) requires an additional set of PWs. Enter the date of notice for a third preliminary inspection in the 1st space of item 14 on the second set of PWs.		
		c. Reserve the "Final" space on the first page of the first set of PWs for the date of notice for the final inspection.		
		d. If the inspection is initiated by the AIP, enter "Company Insp." instead of the date.		
		e. If the notice does not require an inspection, document as directed in the Narrative instructions.		
		<b>Replant and Final:</b> Transfer the last date (in the 1st or 2nd space from		
		the first or second set of PWs) to the final space on the first page of the		
		first set of PWs if a final inspection should be made as a result of the		
		notice. Always enter the complete date of notice (MM/DD/YYYY) for		
		the "FINAL" inspection in the final space on the first set of PWs. For a		
		delayed notice of loss or delayed claim, refer to the LAM.		

Elen	Element/Item Number		Description
15.	Companion Policy(s)	a.	If no other person has a share in the unit (insured has 100 percent share), make no entry.
		b.	In all cases where the insured has less than a 100 percent share of a loss-affected unit, ask the insured if the other person sharing in the unit has a multiple-peril crop insurance contract (i.e., not crop-hail, fire, etc.). If the other person does not, enter "None."
			(1) If the other person has a multiple-peril crop insurance contract and it can be determined that the same AIP services it, enter the contract number. Handle these companion policies according to AIP instructions.
			(2) If the other person has a multiple-peril crop insurance contract and a different AIP or agent services it, enter the name of the AIP and/or agent (and contract number) if known.
			(3) If unable to verify the existence of a companion contract, enter "Unknown" and contact the AIP for further instructions.
		c.	Refer to the LAM for further information regarding companion contracts.

## Section I – Determined Acreage Appraised, Production and Adjustments

Make separate line entries for varying:

- (1) Rate classes, types, classes, sub-classes, intended uses, irrigated practices, cropping practices, or organic practices, as applicable;
- (2) APH yields;
- (3) Appraisals;
- (4) Adjustments to appraised mature production (moisture and/or QAFs);
- (5) Stages or intended use(s) of acreage;
- (6) Shares (e.g., 50 percent and 75 percent shares on the same unit); or
- (7) Appraisals for damage due to hail or fire if Hail and Fire Exclusion is in effect.

Element	t/Item Number	Description
16. Fi	ield ID	The field or subfield identification symbol from a sketch map or an aerial photo. Refer to the Narrative.
		Where acreage is partly replanted, omit the Field ID symbol for the fields that have not been replanted and that have been consolidated into a single line entry.
17. M	Iulti-Crop Code	Replant: Make no entry.
		<b>Preliminary and Final:</b> The applicable two-digit code for first crop and second crop. Refer to the LAM for instructions regarding entry of first crop and second crop codes.
18. R	Leported Acres	In the event of over-reported acres, handle in accordance with the individual AIP's instructions. In the event of under-reported acres, enter the reported acres to tenths for the field or sub field. If there are no under-reported acres make no entry.
19. D	Determined Acres	Refer to the LAM for definition of acceptable determined acres used herein. Enter the determined acres to tenths for the field or subfield for which consent is given for other use and/or:  a. Put to other use without consent; b. Abandoned; c. Damaged by uninsured causes; or d. For which the insured failed to provide acceptable records of production.  Refer to the LAM for procedures regarding when estimated acres are allowed and documentation requirements.  Replant: Determine the total acres, to tenths, of replanted acreage for each field or subfield (do not estimate). Make a separate line entry for any part of a field or subfield not replanted.  a. Determine the planted acreage of any fields or subfield not replanted. Consolidate it into a single line entry unless the usual reasons for separate line entries apply. Record the field or subfield identities (from a map or aerial photo) in the Narrative.  b. Account for all planted acreage in the unit.
		Preliminary and Final: Determined acres to tenths.

Elem	ent/Item Number	Description
19.	Determined Acres	Acreage breakdowns within a unit or field may be estimated (refer to
	(Continued)	the LAM) if a determination is impractical.
		Account for all planted acreage in the unit.
20.	Interest or Share	Insured's interest in the crop to three decimal places as determined at
		the time of inspection. If shares vary on the same unit, use separate
21.	Risk	line entries.
21.	KISK	Three-digit code for the correct "Rate" as specified on the actuarial document maps. If a "Rate" or "High-Risk Area" is not specified on
		the actuarial document maps, make no entry. Verify with the
		Summary of Coverage and if the "Rate" is found to be incorrect, revise
		according to the AIP's instructions. Refer to the LAM.
		according to the All's histractions. Refer to the LAW.
		Unrated land is uninsurable without a WA.
22.	Type	***Three-digit code entered exactly as specified on the actuarial
	J 1	documents for the type grown by the insured. If "No Type Specified"
		is shown in the actuarial documents, enter the appropriate three-digit
		code from the actuarial documents (e.g., 997). If a type is not specified
		on the actuarial documents, make no entry.
23.	Class	***Three-digit code, entered exactly as specified on the actuarial
		documents for the class grown by the insured. If "No Class Specified"
		is shown in the actuarial documents, enter the appropriate three-digit
		code from the actuarial documents (e.g., 997). If a class is not
		specified on the actuarial documents, make no entry.
24.	Sub-Class	***Three-digit code, entered exactly as specified on the actuarial
		documents for the sub-class grown by the insured. If "No Sub-Class
		Specified," is shown in the actuarial documents, enter the appropriate
		three-digit code from the actuarial documents (e.g., 997). If a sub-
25.	Intended Use	class is not specified on the actuarial documents, make no entry.
23.	intended Use	***Three-digit code, entered exactly as specified on the actuarial documents for the intended use of the crop grown by the insured. If
		"No Intended Use Specified" is shown in the actuarial documents,
		enter the appropriate three-digit code from the actuarial documents
		(e.g., 997). If an intended use is not specified on the actuarial
		documents, make no entry.
		accomence, make no entry.

Element/Item Number		Description		
26.	Irr. Practice	***Three-digit code, entered exactly as specified on the actuarial documents for the irrigated practice carried out by the insured. If "No Irrigated Practice Specified" is shown in the actuarial documents, enter the appropriate three-digit code from the actuarial documents (e.g., 997). If an irrigated practice is not specified on the actuarial documents, make no entry.		
27.	Cropping Practice	***Three-digit code, entered exactly as specified on the actuarial documents for the cropping practice (or practice) carried out by the insured. If "No Cropping Practice Specified" or "No Practice Specified" is shown in the actuarial documents, enter the appropriate three-digit code from the actuarial documents (e.g., 997). If a cropping practice is not specified on the actuarial documents, make no entry.		
28.	Organic Practice	***Three-digit code, entered exactly as specified on the actuarial documents for the organic practice carried out by the insured. If "No Organic Practice Specified" is shown in the actuarial documents, enter the appropriate three-digit code from the actuarial documents (e.g., 997). If an organic practice is not specified on the actuarial documents, make no entry.		
29.	Stage	Preliminary: Make no entry.  Replant: Replant stage abbreviation as shown below.  STAGE  "R"		
		2 mars 2 mage decree march do one in octori.		

Elem	nent/Item Number		Description
29.	Stage (Continued)	STAGE	EXPLANATION
	,	"P"	Acreage abandoned without
			consent, put to other use
			without consent, damaged
			solely by uninsured causes, or
			for which the insured failed to
			provide acceptable records of
			production to the AIP.
		"H"	Harvested.
		"UH"	Unharvested or put to other use
			with consent.
		"TZ"	UUF/Third Party Damage –
			Zero production on same
		(CT A N	acreage.
		"TA"	UUF/Third Party Damage –
			Appraised production on same
		((TT 1))	acreage.
		"TH"	UUF/Third Party Damage –
			Harvested production on same
			acreage.
		<b>Prevented Planting</b> : Refer to eligible prevented planting ac	o the PPSH for proper codes for any creage.
		Gleaned Acreage: Refer to t	he LAM for information on gleaning.
30.	Use of Acreage		ving "Intended Use" abbreviations.
	C		
		<u>USE</u>	<b>EXPLANATION</b>
		"Replant"	Acreage replanted ***
		"Not Replanted"	Acreage not replanted ***
		"To Millet"	Use made of the acreage
		"WOC"	Other use without consent
		"SU"	Solely uninsured
		"ABA"	Abandoned without consent
		"H"	Harvested
		"UH"	Unharvested
		<b>Prevented Planting:</b> Refer to prevented planting acreage.	the PPSH for proper codes for any eligible
		Gleaned Acreage: Refer to th	ne LAM for information on gleaning.

Element/Item Number		Description
31.	Appraised	Replant: Enter the pounds per acre allowed for replanting as
	Potential	determined from the replant calculation documented in the Narrative.
		(Refer to Part 3, for qualifications and computations.)
		<b>Preliminary:</b> Per-acre appraisal in whole pounds of potential
		production for the acreage appraised as shown on the appraisal
		worksheet. Refer to Part 4, "Appraisals" for additional instructions. If
		there is no potential on UH acreage, enter "0." Refer to LAM for
		procedures for documenting zero yield appraisals.
32a.	Moisture %	Replant: Make no entry.
		Preliminary and Final: Moisture percent (if in excess of 15.0
		percent) to nearest tenth. Moisture adjustment is applied prior to
		applying any qualifying adjustment for quality.
32b.	Factor	Replant: Make no entry.
		<b>Preliminary and Final:</b> Moisture factor – For appraised mature grain
		production in excess of 15.0 percent, obtain factor from exhibit 15.
33.	Shell %, Factor, or Value	Replant: Make no entry.
		<b>Preliminary and Final:</b> If a Weight Method appraisal is made, enter
		the shelling percentage factor rounded to a two-place decimal (Refer to
		exhibit 14). Popcorn production is measured in pounds, therefore, the
		0.4 volume to bushel factor is not used when using the Weight Method
		appraisal. It will be necessary to multiply the gross pounds (ear
		popcorn pounds) by the actual shelling percentage as specified in (exhibit 14, column (4)).
34.	Production Pre	<b>Replant:</b> Enter the result of multiplying column 31 times column 19
	QA	rounded to whole pounds. If no entry in column 31, make no entry.
		Preliminary and Final: Result of multiplying column 31 times
		column 19, times column 32b, times column 33, if applicable, rounded
		to whole pounds. If no entry in column 31, make no entry.

Element/Item Number		Description
35.	Quality Factor	Replant: Make no entry.
		Preliminary and Final: For Weight Method appraisals of mature popcorn, which due to insurable causes, is not of merchantable popcorn quality and is rejected by the processor, divide the value per pound of the damaged popcorn by the base contract price per pound for undamaged popcorn. Enter the factor rounded to three decimal places.
36.	Production Post QA	<b>Replant:</b> Transfer the entry in item 34.
		<b>Preliminary and Final:</b> Result of multiplying column 34 times column 35, rounded to whole pounds. If no entry in column 35, transfer entry from column 34.
37.	Uninsured Cause	Replant: Make no entry.
		Preliminary and Final: Result of per acre appraisal for uninsured causes (taken from appraisal worksheet or other documentation) multiplied by column 19, rounded to whole pounds. Refer to the LAM for information on how to determine uninsured cause appraisals. If no uninsured causes, make no entry.
		a. Hail and Fire Exclusion not in effect.
		(1) Enter the result of multiplying column 19 entry by not less than the insured's production guarantee per acre in whole pounds for the line, (calculated by multiplying the elected coverage level percentage times the approved APH yield per acre shown on the APH form), for any "P" stage acreage.
		(2) On preliminary inspections, advise the insured to keep the harvested production from any acreage damaged solely by uninsured causes separate from other production. Refer to the LAM for information on how to determine uninsured cause appraisals.

	nent/Item	Description		
Nun	nber			
37.	Uninsured Cause (Continued)	(3) For acreage that is damaged partly by uninsured causes, enter the result of multiplying the appraised uninsured loss of production per acre in whole pounds, by column 19 entry for any such acreage.		
		b. When there is late-planted acreage, the applicable production guarantee for such acreage is the production guarantee per-acre that has been reduced for late-planted acreage, multiplied by column 19 entry.		
		c. Refer to the LAM when a Hail and Fire Exclusion is in effect and damage is from hail or fire.		
		d. Enter the result of adding uninsured cause appraisals to hail and fire exclusion appraisals.		
		e. For fire losses, if the insured also has other fire insurance (double coverage), refer to the LAM.		
38.	Total to Count	Result of adding item 36 and item 37.		
39.	Total	Preliminary: Make no entry.		
		Replant and Final: Total determined acres (column 19), to tenths.		
40.	Quality	Replant: Make no entry.		
		<b>Preliminary and Final:</b> Check the applicable qualifying QA condition(s) affecting the unit's production (refer to table below). Check all qualifying conditions that apply to the unit's appraised and harvested production (refer to the CP and SP).		
		Qualifying QA Condition:		
		Test Weight (TW)		
		Kernel Damage (KD) and Total Defects		
		Garlicky (Grade)		
		Aflatoxin		
		Vomitoxin		
		Fumonisin		
		Dark Roast (for Sunflowers only)		
		Sclerotinia (for Sunflowers only)		
		Ergoty (Grade)		
		COFO (commercially objectionable foreign odor) (includes Musty and Sour		
		Odor)		
		Other		
		None		

Element/Item Number		Description
40. Quality (Continued)		all qualifying QA conditions checked, in the Narrative (or on a cial Report):
	(1)	Document the level for each qualifying QA condition as indicated by approved test results, and the name and location of each testing facility that verifies the presence of the qualifying QA condition and the date of the test(s); or
	(2)	Enter "See documentation included in the claim file" (e.g., include copy of the test facility certificate, grade certificate, summary or settlement sheet, etc., that documents the QA condition).
		Other" is checked, in addition to the above documentation irements, document in the Narrative (or on a Special Report):
	(1)	A description of the qualifying QA condition;
	(2)	The name of the controlling authority that considers this qualifying QA condition to be injurious to human or animal health and why.
	c.	Check "None" if none of the production qualifies for QA.

Element/Item Number	Description
41. Mycotoxins exceed FDA, State, or other health organization maximum limits. Check "Yes:"	Preliminary and Final: Check "Yes" if any mycotoxins listed in item 40 (including any identified as "Other") exceed the FDA, state, or other health organization maximum limits, otherwise leave blank. Document in the Narrative (or on a Special Report), the disposition of the production that was:  a. Sold, document the name and address of the buyer; or  b. Not sold, document the date(s) of the disposition, how the production was used, or how it was destroyed.  Refer to the LAM and the SP for additional information on mycotoxins.
42. Totals	Total of entries in columns 34, 36, 37 and 38. If a column has no entries, make no entry.

# **Narrative Instructions**

If more space is needed, document on a Special Report, and enter "See Special Report." Attach the Special Report to the PW.

a.	If no acreage is released on the unit, enter "No acreage released," adjuster's initials, and date.
b.	If notice of damage was given and no inspection is necessary, enter "No Inspection," the unit
	number(s), date, and adjuster's initials (do not enter unit numbers for which notice has not
	been given). The insured's signature is not required.
c.	Explain any uninsured causes, unusual, or controversial cases.
d.	If there is an appraisal in Section I, column 37 for uninsured causes due to a hail/fire
	exclusion, show the original hail/fire liability per acre and the hail/fire indemnity per acre.

e.	Document the actual appraisal date if an appraisal was performed prior to the adjuster's signature date on the appraisal worksheet, and the date of the appraisal is not recorded on the appraisal worksheet.
f.	State that there is "No other fire insurance" when fire damages or destroys the insured crop
	and it is determined that the insured has no other fire insurance. Also refer to the LAM.
σ	Explain any errors found on the Summary of Coverage.
g. h.	Explain any commingled production. Refer to the LAM.
i.	Explain any entry for "Production Not to Count" in Section II, column 62 and/or any
1.	production not included in Section II, column 56 or column 49 - 52 entries (e.g., harvested
	<del>-</del>
	production from uninsured acreage that can be identified separately from the insured acreage
	in the unit).
j.	Explain a "No" checked in item 44.
k.	Attach a sketch map or aerial photo to identify the total unit:
	<ol> <li>If consent is or has been given to put part of the unit to another use or to replant;</li> <li>If acreage has been replanted to a practice uninsurable as an original practice;</li> <li>If uninsured causes are present; or</li> <li>For unusual or controversial cases.</li> </ol>
	Indicate on the aerial photo or sketch map, the disposition of acreage destroyed or put to other use with or without consent.
1.	Explain any difference between date of inspection and signature dates. For an absentee
	insured, enter the date of the inspection and the date of mailing the PW for signature.
m.	When any other adjuster or supervisor accompanied the adjuster on the inspection, enter the
	code number of the other adjuster or supervisor and the date of inspection.
n.	Explain the reason for a "No Indemnity Due" claim. "No Indemnity Due" claims are to be
11.	distributed in accordance with the AIP's instructions.
0.	Explain any delayed notices or delayed claims as instructed in the LAM.
	Document any authorized estimated acres, as instructed in the LAM, shown in Section I,
p.	column 19.
а	Document the method and calculation used to determine acres for the unit. Refer to the
q.	LAM.
r	Specify the type of insects or disease when the insured cause of damage or loss is listed as
r.	
	insects or disease. List the control measures used and explain why they did not work.
S.	Document the appraisal (plus appraisal for uninsured causes of loss, if applicable) for
	replanted acreage, and the calculations to show that the qualification for a replanting payment
	have been met. Refer to Part 3, paragraph 22.

t.	If any acreage to be replanted in the unit does not qualify for a replanting payment, enter Field No., "NOT QUAL FOR RP PAYMENT," date of inspection, adjuster's initials, and
	reason not qualified.
u.	For replant claims, indicate if the pounds allowed for replanting have/have not been reduced for share on the PW according to individual AIP guidelines.
v.	For production that qualifies for QA (supporting documentation should be included in the
	insured's claim file):
	(1) Explain any ".000" QA factor entered in Section I, column 35 and Section II, column 65.
	(2) Explain any deficiencies, substances, or conditions that are allowed for QA, as well as any which were not allowed.
	(3) If mycotoxins are present, document the level based on laboratory test results.
	(4) If a Federal or State destruction order has been issued, attach to the PW a copy of the
	Federal or State destruction order and the insured's completed Certification Form.
	(5) Document the DFs or the RIVs and Local Market Price, as applicable, used in
	establishing the QA factor for mature appraised or harvested production.
	(6) Refer to the LAM for documentation requirements when any excess transportation costs
	or conditioning costs are included in the QA factor.
	(7) Document all calculations used in determining QA factors.
	(8) Refer to the LAM for additional documentation requirements.
W.	Document field IDs, date, and method of destruction of mycotoxin-infested popcorn if it has no market value. For further documentation instructions, refer to the LAM.
х.	Document the name and address of the charitable organization when gleaned acreage is
	applicable. Refer to the LAM for more information on gleaning.
y.	Document any other pertinent information, including any data to support any factors used to
	calculate the production.

### Section II – Determined Harvested Production

- (1) Account for all harvested production (for all entities sharing in the crop) except production appraised before harvest and shown in Section I because the quantity cannot be determined later (e.g., high moisture grain going into air-tight storage, released for other uses, etc.).
- (2) Columns 49 through 52 are for structure measurements entries (Rectangular, Round, Square, Conical Pile, etc.). If structures are a combination of shapes, break into a series of average measurements, if possible. Enter "Odd Shape" if production is stored in an odd-shaped structure. Document measurements on a Special Report or other worksheet used for this purpose.
- (3) If farm-stored production has been weighed prior to storage and acceptable weight tickets are available showing gross weights, enter "Weighed and Stored on Farm" in columns 49 through 52. Refer to the LAM for acceptable weight tickets.
- (4) For production commercially stored, sold, etc., make entries in columns 49 through 52 as follows:
  - (a) Name and address of storage facility or buyer.
  - (b) "Seed," "Fed," etc.
- (5) There will be no "harvested production" entries for replanting payments.
- (6) If acceptable sales or weight tickets are not available, refer to the LAM.
- (7) If additional lines are necessary, the data may be entered on a continuation sheet. Use separate lines for:
  - (a) Separate storage structures.
  - (b) Varying names and addresses of buyers of sold production.
  - (c) Varying determinations of production (varying moisture, foreign material (FM), test weight, value, etc.). Average percent of FM or moisture can be entered when the elevator has calculated the average on the summary sheet, and the determined average is acceptable to the adjuster. Separate line entries are not otherwise required. Refer to the LAM for instructions.

- (d) Varying shares; e.g., 50 percent and 75 percent shares on same unit.
- (e) Production from first (original) or second (substitute) crop acreage when a second crop will be or is planted on the first crop acreage within the same crop year.
- (f) Conical piles. Do not add the cone in the top or bottom of a bin to the height of other grain in the structure. For computing the production in cones and conical piles, refer to the LAM.
- (8) There will generally be no harvested production entries in columns 47 through 66 for preliminary inspections.
- (9) If there is harvested production from more than one insured practice (or type) and a separate approved APH yield has been established for each, the harvested production also must be entered on separate lines in columns 47 through 66 by type or practice. If production has been commingled, refer to the LAM.

Elen	nent/Item Number	Description				
43.	Date Harvest	Preliminary: Make no entry.				
	Completed: (Used to determine if there is a	Replant and Final:				
	delayed notice or a delayed claim. Refer to the LAM.)	a. The earlier of the date the entire acreage on the unit was (1) harvested, (2) totally destroyed, (3) replanted, (4) put to other use, (5) a combination of harvested, destroyed, or put to other use, or (6) the calendar date for the end of the insurance period.				
		b. If at the time of final inspection (if prior to the end of the insurance period), there is any unharvested insured acreage remaining on the unit that the insured does not intend to harvest; enter "Incomplete."				
		c. If at the time of final inspection (if prior to the end of the insurance period), none of the insured acreage on the unit has been harvested, and the insured does not intend to harvest such acreage, enter "No Harvest."				
		d. If the case involves a Certification Form, enter the date from the Certification Form when the entire unit is put to another use, replanting is complete for the unit, etc. Refer to the LAM.				

Elem	ent/Item Number	Description
44.	Damage similar to other farms in the	Preliminary: Make no entry.
	area?	<b>Replant and Final:</b> Check "Yes" or "No." Check "Yes" if the amount and cause of damage due to insurable causes is similar to the experience of other farms in the area. If "No" is checked,
		explain in the Narrative.
45.	Assignment of Indemnity	Check "Yes" only if an assignment of indemnity is in effect for the crop year; otherwise, check "No." Refer to the LAM.
46.	Transfer of Right to Indemnity	Check "Yes" only if a transfer of right to indemnity is in effect for the unit for the crop year; otherwise, check "No." Refer to the LAM.
47a.	Share	Record only varying shares on same unit to three decimal places.
47b.	Field ID	a. If only one practice and/or type of harvested production is listed in Section I, make no entry.
		b. If more than one practice and/or type of harvested production is listed in Section I, and a separate approved APH yield exists, indicate for each practice/type the corresponding Field ID (from Section I, column 16).
48.	Multi-Crop Code	The applicable two-digit code for first crop and second crop. Refer to the LAM for instructions regarding entry of first crop and second crop codes.
49.	Length or Diameter	Internal measurement in feet to tenths of structural space occupied by crop.
		a. Length if rectangular or square.
		b. Diameter if round or conical pile. Refer to the LAM to convert circumference to diameter if internal diameter measurement is not possible.
50.	Width	Internal width measurement in feet to tenths of space occupied by crop in structure if rectangular or square. If round, enter "RND." If conical pile, enter "Cone."
51.	Depth	Depth measurement in feet to tenths of space occupied by crop in rectangular, round, or square structure. If conical pile, enter the height of the cone. If there is production in the storage structure from other units or sources, refer to the LAM.

Elen	nent/Item Number	Description 1							
52.	Deductions	Cubic feet, to tenths, of crop space displaced by chutes, vents, studs, crossties, etc. Refer to the LAM for computation instructions.							
53.	Net Cubic Feet	Net cubic feet of crop in the storage structure. Refer to the LAM for							
		computation instructions.							
54.	Conversion Factor	Enter Conversion Factor as follows:							
		Shelled Popcorn 0.8							
		Ground Shelled Popcorn 0.7							
		Ground Ear Popcorn 0.6*							
		Ear Popcorn 0.4							
		*Unless otherwise directed.							
55.	Gross Prod.	Multiply column 53 times column 54, rounded to tenths of a bushel.							
		The results of the calculation represent the amount of gross bushels							
		in the bin.							
56.	Bu., Ton, Lbs., Cwt.	Circle "Lbs." in column heading. Enter the gross production in							
		whole pounds, before deductions for grain moisture and foreign							
		material for production:							
		a. Weighed and stored on the farm.							
		For farm stored ear popcorn production, calculate the pounds as follows: column 55 (gross production in bushels) times column 60a (actual test weight), rounded to the nearest whole pound.							
		For farm stored shelled popcorn production, calculate the pounds as follows: column 55 (gross production in bushels) times 56 pounds per bushel (standard test weight), rounded to the nearest whole pound.							
		b. Sold and/or stored in commercial storage - Obtain gross production for the unit from the summary and/or settlement sheets. (Individual load slips only will not suffice unless the storage facility or buyer will not provide summary and/or settlement sheets to the insured, and this is documented in the Narrative.)							
		c. Stored in odd-shaped structures. The adjuster must compute the amount of gross production. (Refer to the LAM for cubic footage and production computations). A copy of all production calculations must be left in the file folder.							
		d. For mycotoxin-infected popcorn, enter all production even if it has no market value.							

Elem	ent/Item Number	Description
57.	Shell/Sugar Factor	Shelling percentage for Ear popcorn production recorded in:  a. Gross weight from settlement sheets, or other weight records acceptable to the AIP, (column 56), enter shelling percentage from exhibit 14, column (3) as two-place decimal. If shelling percentage is not on the settlement sheets or other weight records, or is otherwise unavailable, enter standard shelling percentage of ".80."
		<ul> <li>b. Standard shelling percent (".80") is included in the bushel factor (0.4) used to convert Ear bushel by volume to pounds of popcorn by multiplying grain bushels by the actual test weight of the grain. Use of the actual-determined shelling percent (as in "a" above) would result in double adjustment in this case ("c" below). The shelling percentage factor, exhibit 14, column (3), corrects the calculated production to reflect the shelling-percent deviation from the standard.</li> <li>c. Volume/structure measurements (items B-E), enter the shelling factor from exhibit 14, column (4) as two-place decimal. If not</li> </ul>
58a.	FM %	available, enter the standard shelling factor of "1.00."  Make entry to nearest tenth. Refer to the LAM for entry instructions.
		Refer to the LAM for FGIS definitions of "FM".
58b.	Factor	Enter the three-place factor determined by subtracting the percent of FM from 1.000 or subtract the entry in 58a from 100 and divide by 100. <b>Example:</b> For 4 percent, enter ".960."
59a.	Moisture %	Enter moisture percent to tenths. Moisture adjustment is applied prior to applying any qualifying adjustment for quality.
59b.	Factor	If grain moisture is more than 15.0 percent, enter the four-place moisture factor from the popcorn moisture adjustment factors (exhibit 15).
60a.	Test Wt.	Enter test weight (only when storage structure measurements are entered) in whole pounds (or pounds to tenths if so instructed by the AIP). Refer to the LAM for instructions on determining test weight.

Eleme	ent/Item Number	Description
60b.	Factor	For shelled popcorn, use the Combination Test Weight/Pack Factor enter the factor from the appropriate table (exhibit 16) for the square footage of floor space in the storage structure. Refer to the LAM for instructions on calculating floor space of a structure.
		Combination test weight pack factors are applicable only to shelled popcorn.
		For test weights not shown on the chart, multiply the actual test weight by the last available combination test weight pack factor for the appropriate bin size and divide the result by the last available test weight shown on the chart.
		Popcorn with a test weight of 65 pounds stored in a less than 255 Sq. Ft. bin 65 (actual test weight) x 1.135 (last available factor) ÷ 64 (last available test weight) = 1.153 factor.
61.	Adjusted Production	The result of multiplying column 56 x 57 x 58b x 59b. (Round to nearest whole pound).
		For farm stored shelled popcorn, the result of multiplying column 56 x 57 x 58b x 59b x 60b. (Round to nearest whole pound).
62.	Prod. Not to Count	Net production not to count, in whole pounds, when acceptable records identifying such production are available, from harvested acreage which has been assessed an appraisal of not less than the guarantee per acre, or from other sources (e.g., other units or uninsured acreage) in the same storage structure (if the storage entries include such production).
		This entry must never exceed production shown on the same line. Explain the total bin contents (bin grain depth, etc.) and any "production not to count" in the Narrative.
		Make no entry if only the depth for PTC has been entered in column "51," and the depth for production not to count has been entered in the Narrative section. Refer to example in the LAM.
63.	Production Pre-QA	Result of subtracting column 62 from column 61.
64a.	Value	Sold or otherwise disposed of - Enter the actual dollar-and-cents value per pound received for the damaged production on the earlier of the day of adjustment or the date such production is sold, taking into account RIVs due to insurable causes (including mycotoxins). Refer to the LAM for further instructions.

Elem	ent/Item Number	Description
64b.	MKT Price	If entry is made in 64a, enter the base contract price per pound, to
		three decimal places.
65.	Quality Factor	For production eligible for QA, enter the 3-digit QAF determined by
		dividing column 64a divided by 64b. Explain in the Narrative. If
		moisture adjustment is applicable, it will be made prior to any
		adjustment for quality. Refer to paragraph 13 and the CP for
		additional information on QA.
66.	Production to Count	Enter result from multiplying column 63 times column 65, rounded
		to nearest whole pound.
67.	Total of Column 63	Total of column 63. If no entry in column 63, make no entry.
		rate line entries are made for varying share, stages, APH yields,
		e, types, etc., within the unit, and totals need to be kept separate for
calcul	ating indemnities, make	no entry and follow the AIP's instructions; otherwise, make the
follow	ving entries.	
68.	Section II Total:	Preliminary and Replant: Make no entry.
		Final: Total of column 66.
69.	Section I Total	Preliminary and Replant: Make no entry.
		Final: Enter figure from Section I, column 38 total.
70.	Unit Total	Preliminary and Replant: Make no entry.
		Final: Total of column 68 and column 69.
71.	Allocated Prod	Refer to the LAM for instructions for determining allocated
		production. Enter the total production rounded to whole pounds,
		allocated to this unit that is included in Sections I or II of the PW.
		Document how allocated production was determined and record
		supporting calculations in the Narrative or on a Special Report.
72.	Total APH Prod.	Result of subtracting the total of column 37 (item 42 "Totals") and
		item 71 (Allocated Prod.) from item 70 (Unit Total). If no entries in
		item 37 and item 71, transfer the entry in item 70. Make no entry
		when separate APH yields are maintained by type, practice, etc.,
		within the unit.

The	following required entri	es are not illustrated on the <mark>PW</mark> example below.
73.	Insured's Signature and Date	Insured's (or insured's authorized representative's) signature and date. Before obtaining the signature, review all entries on the PW with the insured (or insured's authorized representative), particularly explaining codes, etc., that may not be readily understood.
		Final indemnity inspections and final replanting payment
		inspections should be signed on bottom line.
74.	Adjuster's Signature, Code #, and Date	Signature of adjuster, code number, and date signed after the insured (or insured's authorized representative) has signed. For an absentee insured, enter adjuster's code number only. The signature and date will be entered after the absentee has signed and returned the PW.
		Final indemnity inspections and final replanting payment
		inspections should be signed on bottom line.
75.	Page	<b>Preliminary:</b> Page numbers – "1," "2," etc., at the time of inspection.
		<b>Replant and Final:</b> Page numbers - (Example: Page 1 of 1, Page 1 of 2, Page 2 of 2, etc.).

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71. Allocated Prod. 72. Total APH Prod.

									PR	RODUC	TION	WOR	KSHE	CET									
1. Crop/Code # 2. Unit # 3				3. L	3. Location Description				7. Company ANY COMPANY						8. Name	8. Name of Insured							
	POPCORN 0001-0001BU								Agency ANY AGENCY							I.M. INSURED							
	00-	43			SW1-	96N-3W	<i>'</i>		•						9. Clain	n #			11. Crop Year				
4. D	ate(s) of	Damage	JUL													XXX	XXXXX			У	УУУ		
5. C	ause(s)	f Damage	DROUGHT	Γ											10. Poli	cy#			•				
6. In	sured C	ause %	100												14. Date	e(s)	1st		2nd	F	Final		
12. 4	Addition	al Units	0002-0002	BU											Notice o			D/YYYY			MM/DD	/УУУУ	
13. l	Est. Prod	. Per Acre	2000												15. Con	npanion Po	licy(s)						
SEC	TION	I – DETER	MINED AC	CREAG	E APPI	RAISED	, PROD	UCTIC	N AND	ADJUS	<b>IMENT</b>	S											
A. ACTUARIAL B. POTE												ENTIAL	YIELD										
16.	17.	18.	19.	20.	21.	22.	23.	24.	25.	26.	27.	28.	29.	30.	31.	32a. 32b.	33.	34.	35.	36.	37.	38.	
Field ID	Multi- Crop Code	Reported Acres	Determined Acres	Interest or Share	Risk	Type	Class	Sub- Class	Intended Use	Irr Practice		Organic Practice	Stage	Use of Acreage	Appraised Potential	Moisture % Factor	Factor,	Production Pre QA	Quality Factor	Production Post QA	Uninsured Causes	Total to Count	
A	NS		80.0	1.000		997					003		UH	PASTUR ED	744		_	59520		59520		59520	
В	NS		10.0	1.000		997					003		UH	SILAGE	490	20.5 .9340	.80	3661		3661		3661	
С	NS		60.0	1.000		977					003		н	Н			_						
		39. TOTAL	150.0	Scle		Ergoty	□ CoF		ther 🗆 1		monisin [			Dark Roas	st 🗆	42.	TOTALS	63181		63181		63181	
NAF	RATIV	/E (If more	space is ne	eded, att	ach a Sr	ecial Re	port)	Acres 1	were dete	ermined us	sing perm	anent fiel	ld measi	urements.									

				ED H		TED PRO				0		100 1	•	Y 1 '		142	. E. C. CD:	1 1. 1. 2. 0.		
43. Date Harvest Completed  MM/DD/YYYY  44. Damage similar to other farms in the average similar to other fa										area?		45. As	signment of	**	No X	1 46	<ol> <li>Transfer of Rig Yes</li> </ol>			
A. ME	ASUR	EMEN'				B. GRO	_			C. ADJ	USTMEN	TS TO H.	ARVESTE	ED PRODU			1 68	No >		
47a. 47b.	48.	49.	50.	51.	52.	53.	54.	55.	56.	57.	58a. 58b.	59a. 59b.	60a. 60b.	61.	62.	63.	64a. 64b.	65.	66.	
Share	Multi- Crop	Length	Width	Denth	Deduc-	Net Cubic	Conver- sion	Gross	Bu., Ton	Shell/	FM%	Moisture %	Test WT	Adjusted	Prod. Not	Production Pre-QA	Value	Quality Factor	Production to Count	
Field ID	Code	or Diameter	Widii	Depui	tion	Feet	Factor	Prod.	Bu, Ton Lbs CWT	Sugar Factor	Factor	Factor	Factor	Production	to Count	I IC-QA	Mkt. Price	Quanty Factor	to Count	
	NS		CME EI						10500	.80		15.5		8350		8350			8350	
		ANY	ΓΟWN,	ANY S	TATE							.9940		0000					<del></del>	
	NS	10.0	10.0	9.0		900.0	.4	360.0	23040	1.00		16.0	64	22764	22764		22764			22764
												.9880								
							· ·												l	
															67. TOTAL	31114	68.	Section II Total	31114	
															·		69	. Section I Total	63181	
70. Unit Total													94295							

### PRODUCTION WORKSHEET

1. Crop/Code #		2. Unit #	Unit # 3. Location Description			7	7. Company ANY COMPANY					8. Name of Insured										
POPCORN		0001-0001B	-0001BU				Agency AN			ANY	ANY AGENCY				I.M. INSURED							
	004	43		SW1-96N-3W											9. Claim#			11. Crop Year				
4. Date(s) of Damage			MAY 10	MAY 10									XXXXXXXX				уууу					
5. Cause(s) of Damage			FREEZE									10. Policy #				XXXXXXXXX						
6. Insured Cause %			100												14. Date(s) 1st		1st	2nd		Final		
12. Additional Units												1				Notice of Loss MM/C		D/YYYY			WW/DD/YYYY	
13. Est. Prod. Per Acre				15. Companion Policy(s)												icy(s)						
SEC	TION :	I – DETER	RMINED AC	CREAG	E APPR	AISED	PROD	UCTIO	N AND	<b>ADJUS</b>	<b>IMENT</b>	S										
A. ACTUARIAL			B. POTENTIAL Y											YIELD								
16.	17.	18.	19.	20.	21.	22.	23.	24.	25.	26.	27.	28.	29.	30.	31.	32a. 32b.	- 33.	34.	35.	36.	37.	38.
Field ID	Multi- Crop Code	Reported Acres	Determined Acres	Interest or Share	Risk	Туре	Class	Sub- Class	Intended Use	Irr Practice	Cropping Practice		Stage	Use of Acreage	Appraised Potential	Moisture % Factor	Factor,	Production Pre QA	Quality Factor	Production Post QA	Uninsured Causes	Total to Count
A			25.0	1.000		997					003		R	REPLANTED	140			3500		3500		3500
В			25.0	1.000		997					003		NR	NOT REPLANTED								
	_														_							
40. Quality: TW □ KD □ Aflatoxin □ Vomitoxin □ Fumonisin □ Garlicky □ Dark Roast □  Sclerotinia □ Ergoty □ CoFo □ Other □ None □  42. TOTALS  41. Mycotoxins exceed FDA, State or other health organization maximum limits? Yes □											3500		3500		3500							

NARRATIVE (If more space is needed, attach a Special Report) The example above shows allowance when the actual cost is less than the maximum allowance. The insured's actual cost to replant was \$14.00 per acre with a price election of \$0.10 \$14.00 + \$0.10 = 140 lbs. 140 lbs. x 25 acres replanted = 3,500 lbs. Acreage was determined using wheel measurements. Maximum allowed = \$15.00 (150 lbs. x \$0.10) See attached Special Report for wheel measurements.

40.10) See unucled opecial report for wheel measurements.																								
SEC	SECTION I – DETERMINED ACREAGE APPRAISED, PRODUCTION AND ADJUSTMENTS																							
<b>A.</b> A	. ACTUARIAL B															B. POTENTIAL YIELD								
16.	17.	18.	19.	20.	21.	22.	23.	24.	25.	26.	27.	28.	29.	30.	31.	32a. 32b.	33.	34.	35.	36.	37.	38.		
Field ID	Multi- Crop Code	Reported Acres	Determined Acres	Interest or Share	Risk	Туре	Class	Sub- Class	Intended Use	Irr Practice	Cropping Practice			Use of Acreage	Appraised Potential		Shell %, Factor, or Value		Quality Factor	Production Post QA	Uninsured Causes	Total to Count		
A			25.0	.500		997					003		R	REPLANTED	70			1750		1750		1750		
В			25.0	.500		997					003		NR	NOT REPLANTED										
	40. Quality: TW													TOTALS	1750		1750		1750					

NARRATIVE (If more space is needed, attach a Special Report) Example above shows allowance when the actual cost is less than the maximum allowance when share is considered. Insured's actual cost to replant was \$7.00 per acre with a Price election of \$0.10. \$7.00 + \$0.10 = 70 lbs. 70 lbs. x 25 acres replanted = 1750 lbs. Maximum allowed - \$7.50 (150 lbs. x \$0.10 x 50%) See attached Special Report for wheel measurements.

Acres in Field or Subfield	Minimum Number of Samples*
0.1 - 10.0	3
*Add one additional sample for each additional 40	.0 acres (or fraction thereof) in the field or
subfield.	

ROW WIDTH (INCHES)	ROW LENGTH (FEET) FOR 1/100 ACRE	ROW LENGTH (FEET) FOR 1/1000 ACRE	ROW LENGTH (FEET) FOR 1/2000 ACRE
42	124.5	12.4	6.2
40	130.7	13.1	6.5
38	137.6	13.8	6.9
36	145.2	14.5	7.3
34	153.7	15.4	7.7
32	163.4	16.3	8.2
30	174.2	17.4	8.7
28	186.7	18.7	9.3
26	201.0	20.1	10.1
24	217.8	21.8	10.9
22	237.6	23.8	11.9
20	261.4	26.1	13.1
18	290.4	29.0	14.5
16	326.7	32.7	16.3
14	373.4	37.3	18.7

For row widths not listed above, use the following formula:

$$\frac{43,560 \text{ sq. ft./acre} \div \boxed{\frac{\text{row width in inches}}{12"}}}{100 \text{ ft.} \qquad \text{or} \qquad 1000 \text{ ft.} \qquad \text{or} \qquad 2000 \text{ ft.}}$$
(for 1/100 acre) (for 1/2000 acre) (for 1/2000 acre)

## **EXAMPLE:**

Use from emergence through 10<sup>th</sup> leaf stage. Interpolate as necessary and round to the nearest whole percent. (DO NOT USE AFTER 10<sup>TH</sup> LEAF STAGE.)

OII.	CITIC														R	EM/	INI	NG	PLA	NTS	IN S	SAM	PLE	(1/1	<b>00)</b> <i>A</i>	ACR	E						10.	ıAU	.L.)	ı	ı		T		
				+	_	350	-	_	_	-	+	-	280	270	_					-	-							-	-				80	70	60	50	40	30	20	10	
	400				98	98	97	97	97	96	95	94		91	89	87	86	84	82	80		76	74	72	69	67	64	61	58	55	52	48	43	37	31	24	19	14	10		400
	390	100				98	97	97	97	96	95	94		91	89	87	86	84	82	80	78	76	74	72	69	67	65	62	59	56			44	38	32	25	20	15	10		390
	380		100	100	99	99	98	98	97	96	95	94	93	91	89	87	86	84	82	80	78	76	74	72	69	67	65	62	59	56	53		44	39	33	26	21	16	10		380
	370			100	100	99	99	98	97	96	95	94	93	92	90	88	86	84	82	80	78	76	74	72	69	67	65	62	59	56	53	49	44	39	34	27	22	16	11	5 3	370
	360				100	100	99	99	98	97	96	94	93	93	91	89	87	85	83	81	78	76	74	72	69	67	65	62	59	56	53		46	41	35	28	22	17	11	6 3	360
	350					100	100	99	99	98	97	96	95	94	92	90	88	86	84	81	79	77	75	73	71	69	66	64	61	58	55		47	42	36	29	23	17	12	6 3	350
	340						100	100	99	99	98	97	96	95	94	92	90	88	85		81	79	76	74	72	69	67		61		55		47	42			24	18	12	6 3	340
	330							100	100	99	98	97	96	95	94	92	91	89	86	84	82	80	<b>78</b>	75	73	70	68		62	59	55		47	42	37	31	25	19	12	6 3	330
	320								100	99	98	97	96	95	94	93		91	89		84	82	79	77	74	71	68		62	59	55		47	43	38	32	26	20	14	8 3	320
	310									100	99	98	97	96	95	94	93	92	90	88	86	84	81	79	76	73	70	67	64	61	57		48	44	39	33	27	21	15	9 3	310
	300										100	99	98	97	96	95	94	93	91	89	88	86	83	80	77	75	72	69	66	63		55	50	45	40	34	29	23	17	11 3	<b>300</b>
0	290											100	99	98	97	96	95	94	92	90	89	87	85	82	79	77	74	71	68	65		57	52	47	42	36	31	25	19	11 2	290
R	280												100	99	98	97	95	94	93	91	90	88	86	84	81	79	76	73	70	66	63	59	54	49	43	37	33	27	21	12 2	280
I	270													100	99	97	96	95	94	93	91	90	88	86	84	82	79	76	72	69	65	60	55	50	45	39	34	28	22	13 2	270
G	260														100	99	97	96		94		91	90		86	84	81	78	75	71	67		57	52	47	41	36	30		14 2	260
I	250															100	99	98	97	96	94	93	92	90	88	86	83	80	77	73	69	64	59	54	49	43	37	30	23	15 2	250
N	240																100	99	98	97	96	95	94	91	90	88	85	82	78	74	71		60	55	50	44	38	31	24	15 2	240
A	230																	100	99	98	97	96	95	92	91	89	86	83	79	75	71	67	61	56	51	45	38	31	24	15 2	230
L	220																		100	99	98	97	96	93	92	90	87	84	80	76	72	67	62	57	52	46	40	33	25	16 2	220
	210																			100	99	98	96	94	93	91	88	84	80	76	73	68	63	58	53	47	41	34	25	16	210
S	200																				100	99	97	95	94	92	89	85	81	77	73	69	64	59	54	48	42	35	26	17 2	200
T	190				AMP																	100	98	96	95	93	90	86	83	79	75	70	65	60	55	49	43	36	27	17	190
A	180			To	inte								nd 2			l pla	nts						100	98	96	94	91	88	85	81	77	72	67	62	57	51	45	36	27	<b>17</b> 1	180
N	170												d to : 30 ai											100	98	96	93	90	87	83	79	74	69	64	59	53	46	37	27	18	170
D	160					3)	15.			7 (38				iu +c	, ·										100	98	95	92	89	85	81	76	71	66	61	55	46	38	28	18	160
	150						31						ed to	37)												100	97	95	92	88	84	79	74	69	64	58	47	38	28	18	150
	140																										100	97	94	90	86	82	77	72	67	61	48	39	29	19	140
	130												0 - 1															100	97	94	90	85	80	75	70	64	49	39	29	19	130
	120			Т	o inte	erpol							nd 24 ed to			plan	ts:												100	97	93	88	83	78	73	67	50	40	30	21	120
	110																													100	97	92	88	83	78	72	51	40	30	<b>23</b> 1	110
	100			6 is .6 of difference between 0 and 10; .6 x 15 (15-0) = 9																										100	96	92	88	83	77	52	41	31	<b>23</b> ]	100	
	90			0 + 9 = 9																											100	96	92	87	81	53	41	31	24	90	
	80																																100	96	91	85	54	42	32	25	80
ľ	70																																	100	96	91	55	42	32	26	70
ľ	60																																		100	95	56		33	27	60
ľ	50																																				57			_	50
		390	380	370	360	350	340	330	320	310	300	290	280	270	260	250	240	230	220	210	200	190	180	170	160	150	140	130	120	110	100	90	80	70	60	50	40			10	

REMAINING PLANTS IN SAMPLE (1/100 ACRE)

	_													R	EM	AIN	INC	S PL	AN	TS I	IN S	AM	PLI	E (1/	100	) A(	CRE														_
	[	<b>390</b>	380	370	360	350	340	330	320	310	300	290	280	270	260	250	240	230	220	210	200	190	180	170	160	150	140	130	120	110	100	90	80	70	60	50	40	30	20	10	
	400	0	0	1	2	2	3	3	3	4	5	6	8	9	11	13	14	16	18	20	22	24	26	28	31	33	36	39	42	45	48	52	57	63	69	76	81	86	90	95	400
	390	0	0	0	1	2	3	3	3	4	5	6	7	9	11	13	14	16	18	20	22	24	26	28	31	33	35	38					56		68	75	80	85	90	95	390
	380		0	0	1	1	2	2	3	4	5	6	7	9	11	13	14	16	18	20			26					38	41		47	51	56	61	67				90	95	380
	370			0	0	1	1	2	3	4	5	6	7	8	10	12	14	16		20	22	24	26		31	33		38	41	44			56	61	66	73	78	84	89	95	370
	360				0	0	1	1	2	3	4	6	7	7	9	11	13	15	17	19	22	24	26	28	31	33	35	38	41	44	47	50	54	59	65	72	78	83	89	94	360
	350					0	0	1	1	2	3	4	5	6	8	10	12	14	16	19	21	23	25	27	29	31	34	36	39	42	45	49	53	58	64	71	77	83	88	94	350
	340						0	0	1	1	2	3	4	5	6	8	10	12	15	17	19	21	24	26	28	31	33	36	39	42	45	49	53	58	64	70	76	82	88	94	340
	330							0	0	1	2	3	4	5	6	8	9	11	14	16	18	20	22	25	27	30	32	35	38	41	45	49	53	58	63	69	75	81	88	94	330
	320								0	1	2	3	4	5	6	7	8	9	11	13	16	18	21	23	26	29	32	35	38	41	45	49	53	57		68			86	92	320
	310									0	1	2	3	4	5	6	7	8	10	12	14	16	19	21	24	27	30	33	36	39	43	47	52		61		73		85	91	310
	300										0	1	2	3	4	5	6	7	9	11	12	14	17	20	23	25	28	31	34	37					60		71			89	300
O	290											0	1	2	3	4	5	6	8	10	11	13	15	18	21	23	26	29	32	35	39	43	48	53	58	64				89	290 O
R	280												0	1	2	3	5	6	7	9	10	12	14	16	19	21	24	27	30	34		41			57	63					280 R
I	270													0	1	3	4	5	6	7	9	10	12	14	16	18	21	24	28	31	35	40	45	50	55		66		<b>78</b>	87	270 I
$\mathbf{G}$	260														0	1	3	4	5	6	7	9	10	12	14	16	19	22	25	29		38			53		64				
I	250															0	1	2	3	4	6	7	8	10	12	14	17	20				36				57					250 I
N	240																0	1	2	3	4	5	6	9	10	12	15	18					40			56				85	4
A	230																	0	1	2	3	4	5	8	9	11	14	17	21	25			39	44	49						230 A
L	220																		0	1	2	3	4	7	8	10	13	16	20	24				43	48			_	+		220 L
	210																			0	1	2	4	6	7	9	12	16	20	24			37		47				_		210
$\mathbf{S}$	200																				0	1	3	5	6	8	11	15	19	23			36		46		58				200 S
T	190																					0	2	4	5	7	10	14	17				35		45		57			83	
A	180		E	XA]	MPI	LE:	To	inte				9 rei	nain	ing	plan	ts ar	1d 24	40					0	2	4	6	9	12	15				33		43						180 A
N	170		1			,_				igina														0	2	4	7	10	13	17			31			47				82	
D	160		1									ound													0	2	5	8	11	15	-	24		34	39						160 D
	150		1			89 1	s .9					twee		anc	1 80;	,										0	3	5	8	12	_	21	26	31	36				_		150
	140		1			1	O			\		) = 5		to 2	5)												0	3	6	10	14			28	33	39	_	_	71	_	_
	130		1			4	U III.	mus	3.4	- 34	+.0 (	roun	aea	10 3	3)													0	3	6				25	30		51			81	
	120		1		EX	4M	PLE	E: (1	For	Ren	nain	ing	Plan	its o	f 0 -	- 10)	)												0	3	7		17		27	_	50	_	+	-	120
	110		Т															ts:												0	3	8	12	17	22	28					
	100		To interpolate for 6 remaining plants and 240 original plat (236 original plants rounded to 240)																										0	4		12	17						100		
	90					6 i	s .6					twee		and	10;																	0	4	8	13	_			_		_
	80		1									85)																					0	4	9	15				_	
	70			1	1		1	1	100	min	us 9	= 9	1	1	1	1	1	1																0	4	9	45	_		_	
	60		ļ				ļ						ļ	ļ	ļ		ļ				ļ		ļ												0	5	44	_		73	
	50						ļ				1		ļ	ļ	ļ		ļ				ļ		ļ												ļ	0	+	57	+	72	50
	Ŀ	<b>390</b>	380	370	360	350	340	330	320	310	300	290	<b>28</b> 0	<b>270</b>	<b>260</b>	250	240	230	220	210	<b>200</b>	190	180	170	160	150	140	130	120	110	100	90	80	<b>70</b>	60	50	40	30	20	10	

REMAINING PLANTS IN SAMPLE (1/100) ACRE

									Perce	ent Lea	f Area	Destroy	ed						
Stage of Growth	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
									Pe	rcent P	roducti	on Lost	t						
7-leaf	0	0	0	0	0	0	1	1	2	3	4	4	5	5	6	7	8	9	9
8-leaf	0	0	0	0	0	1	1	2	3	4	5	5	6	6	7	8	9	10	11
9-leaf	0	0	0	1	1	2	2	3	4	5	6	6	7	7	9	10	11	12	13
10-leaf	0	0	0	1	2	3	4	5	6	7	8	8	9	9	11	13	14	15	16
11-leaf	0	0	1	1	2	3	5	6	7	8	9	10	11	12	14	16	18	20	22
12-leaf	0	0	1	2	3	4	5	7	9	10	11	13	15	16	18	20	23	26	28
13-leaf	0	1	1	2	3	4	6	8	10	11	13	15	17	19	22	25	28	31	34
14-leaf	0	1	2	3	4	6	8	10	13	15	17	20	22	25	28	32	36	40	44
15-leaf	1	1	2	3	5	7	9	12	15	17	20	23	26	30	34	38	42	46	51
16-leaf	1	2	3	4	6	8	11	14	18	20	23	27	31	36	40	44	49	55	61
17-leaf	2	3	4	5	7	9	13	17	21	24	28	32	37	43	48	53	59	65	72
18-leaf	2	3	5	7	9	11	15	19	24	28	33	38	44	50	56	62	69	76	84
19-21 leaf	3	4	6	8	11	14	18	22	27	32	38	43	51	57	64	71	79	87	96
Tassel	3	5	7	9	13	17	21	26	31	36	42	48	55	62	68	75	83	91	100
Silked	3	5	7	9	12	16	20	24	29	34	39	45	51	58	65	72	80	88	97
Silks brown	2	4	6	8	11	15	18	22	27	31	36	41	47	54	60	66	74	81	90
Pre-blister	2	3	5	7	10	13	16	20	24	28	32	37	43	49	54	60	66	73	81
Blister	2	3	5	7	10	13	16	19	22	26	30	34	39	45	50	55	60	66	73
Early milk	2	3	4	6	8	11	14	17	20	24	28	32	36	41	45	50	55	60	66
Milk	1	2	3	5	7	9	12	15	18	21	24	28	32	37	41	45	49	54	59
Late milk	1	2	3	4	6	8	10	12	15	18	21	24	28	32	35	38	42	46	50
Soft dough	1	1	2	2	4	6	8	10	12	14	17	20	23	26	29	32	35	38	41
Early dent		0	1	1	2	3	5	7	9	11	13	15	18	21	23	25	27	29	32
Dent	0	0	0	1	2	3	4	6	7	8	10	12	14	15	17	19	20	21	23
Late dent	0	0	0	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Nearly mature	0	0	0	0	0	0	0	0	1	2	3	4	5	5	6	6	7	7	8
Mature	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

For percentage of production loss not on the chart, interpolate as follows:

Locate the percent leaf area destroyed directly below and above the actual percent of leaf area destroyed taken from item 19 on the appraisal worksheet. Subtract the lower number from the actual percent and divide by 5. Multiply this result by the difference between the lower and higher production lost percentages. Add this amount to the percent production lost lower number, in percent to tenths.

**EXAMPLE**: Stage is  $18^{th}$  leaf. Actual percent of leaf area destroyed is 42. 40 and 45 (percents directly below and above). 42 - 40 = 2  $2 \div 5 = .4$  19 - 15 = 4  $4 \times .4 = 1.6$  1.6 + 15 = 16.6 16.6 % will be the percent damage for leaf destruction entered in item 20 on the appraisal worksheet.

Actual			ТОТА	L ACTU	AL LEA	VES TO	BE PRO	DUCED	(ULTIN	IATE NO	O. OF LE	EAVES)		
Leaves at	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Date of Loss						]	MODIFIE	ED STAG	E					
5	11	10	9	8	8	7	6	5	5	5				
6	13	12	11	10	9	8	7	6	6	6	5			
7	14	13	12	11	10	9	8	7	7	7	6	5		
8	15	14	13	12	11	10	9	8	8	8	7	6	5	
9	16	15	14	13	12	11	10	9	9	9	8	7	6	5
10	17	16	15	14	13	12	11	10	10	10	9	8	7	6
11	18	17	16	15	14	13	12	11	11	11	10	9	8	7
12	19/21	18	17	16	15	14	13	12	12	12	11	10	9	8
13		19/21	18	17	16	15	14	13	13	13	12	11	10	9
14			19/21	18	17	16	15	14	14	14	13	12	11	10
15				19/21	18	17	16	15	15	15	14	13	12	11
16					19/21	18	17	16	16	16	15	14	13	12
17						19/21	18	17	17	17	16	15	14	13
18							19/21	18	18	18	17	16	15	14
19								19/21	19/21	19/21	18	17	16	15
20									19/21	19/21	19/21	18	17	16
21										19/21	19/21	19/21	18	17
22											19/21	19/21	19/21	18
23												19/21	19/21	19/21
24													19/21	19/21
25														19/21

(1) Wt. of Ear Popcorn	(2) Wt. of Shelled Popcorn	(3) EAR POPCORN Shelling Percentage For Weight Method Appraisals and Gross Weight Entries in Section II, column 57 of the	(4)  EAR POPCORN Shelling Percentage Factor For Structural
Sample: (lbs.)	Sample: (lbs.)	Production Worksheet	Measurement Entries
5	4.4	.88	1.10
5	4.3	.86	1.08
5	4.2	.84	1.05
5	4.1	.82	1.03
5	4.0	.80	1.00
5	3.9	.78	.98
5	3.8	.76	.95
5	3.7	.74	.93
5	3.6	.72	.90
5	3.5	.70	.88
5	3.4	.68	.85
5	3.3	.66	.83
5	3.2	.64	.80
5	3.1	.62	.78
5	3.0	.60	.75
5	2.9	.58	.73
5	2.8	.56	.70
5	2.7	.54	.68
5	2.6	.52	.65
5	2.5	.50	.63
5	2.4	.48	.60
5	2.3	.46	.58
5	2.2	.44	.55
5	2.1	.42	.53
5	2.0	.40	.50

WHOLE				TENTI	HS OF PERC	CENT - MOIS	STURE			
PERCENT MOISTURE	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
15	1.0000	.9988	.9976	<mark>.9964</mark>	.9952	.9940	.9928	.9916	.9904	.9892
16	.9880	.9868	.9856	.9844	.9832	.9820	.9808	.9796	.9784	.9772
17	.9760	.9748	.9736	.9724	.9712	.9700	.9688	.9676	.9664	.9652
18	.9640	.9628	.9616	.9604	.9592	.9580	.9568	.9556	.9544	.9532
19	.9520	.9508	.9496	.9484	.9472	.9460	.9448	.9436	.9424	.9412
20	.9400	.9388	.9376	.9364	.9352	.9340	.9328	.9316	.9304	.9292
21	.9280	.9268	.9256	.9244	.9232	.9220	.9208	.9196	.9184	.9172
22	.9160	.9148	.9136	.9124	.9112	.9100	.9088	.9076	.9064	.9052
23	.9040	.9028	.9016	.9004	.8992	.8980	.8968	.8956	.8944	.8932
24	.8920	.8908	.8896	.8884	.8872	.8860	.8848	.8836	.8824	.8812
25	.8800	.8788	.8776	.8764	.8752	.8740	.8728	.8716	.8704	.8692
26	.8680	.8668	.8656	.8644	.8632	.8620	.8608	.8596	.8584	.8572
27	.8560	.8548	.8536	.8524	.8512	.8500	.8488	.8476	.8464	.8452
28	.8440	.8428	.8416	.8404	.8392	.8380	.8368	.8356	.8344	.8332
29	.8320	.8308	.8296	.8284	.8272	.8260	.8248	.8236	.8224	.8212
30	.8200	.8188	.8176	.8164	.8152	.8140	.8128	.8116	.8104	.8092
31	.8080	.8068	.8056	.8044	.8032	.8020	.8008	.7996	.7984	.7972
32	.7960	.7948	.7936	.7924	.7912	.7900	.7888	.7876	.7864	.7852
33	.7840	.7828	.7816	.7804	.7792	.7780	.7768	.7756	.7744	.7732.
34	.7720	.7708	.7696	.7684	.7672	.7660	.7648	.7636	7624	7612
35	.7600	.7588	.7576	.7564	.7552	.7540	.7528	.7516	.7504	.7492
36	.7480	.7468	.7456	.7444	.7432	.7420	.7408	.7396	.7384	.7372
37	.7360	.7348	.7336	.7324	.7312	.7300	.7288	.7276	.7264	.7252
38	.7240	.7228	.7216	.7204	.7192	.7180	.7168	.7156	.7144	.7132
39	.7120	.7108	.7096	.7084	.7072	.7060	.7048	.7036	.7024	.7012
40	.7000	.6988	.6976	.6964	.6952	.6940	.6928	.6916	.6904	.6892

Test Weigh t	Less Than 255 Sq. Ft.	255 Sq. Ft. to 461 Sq. Ft	462 Sq. Ft. to 767 Sq. Ft	768 Sq. Ft. to 1384 Sq. Ft.	1385 Sq. Ft. to 2289 Sq. Ft	2290 or Over Sq. Ft
30.0	0.587	0.594	0.603	0.610	0.610	0.610
30.5	0.596	0.603	0.612	0.619	0.619	0.619
31.0	0.605	0.612	0.622	0.628	0.628	0.628
31.5	0.614	0.621	0.631	0.638	0.638	0.638
32.0	0.623	0.630	0.640	0.647	0.647	0.647
32.5	0.632	0.639	0.649	0.656	0.656	0.656
33.0	0.641	0.648	0.658	0.665	0.665	0.665
33.5	0.649	0.657	0.667	0.674	0.674	0.674
34.0	0.658	0.665	0.676	0.684	0.684	0.684
34.5	0.667	0.674	0.685	0.693	0.693	0.693
35.0	0.676	0.683	0.694	0.702	0.702	0.702
35.5	0.684	0.692	0.703	0.711	0.711	0.711
36.0	0.693	0.701	0.712	0.720	0.720	0.720
36.5	0.702	0.709	0.721	0.729	0.729	0.729
37.0	0.710	0.718	0.730	0.738	0.738	0.738
37.5	0.719	0.727	0.739	0.747	0.747	0.747
38.0	0.727	0.736	0.748	0.756	0.756	0.756
38.5	0.736	0.744	0.757	0.765	0.765	0.765
39.0	0.744	0.753	0.765	0.774	0.774	0.774
39.5	0.753	0.761	0.774	0.783	0.783	0.783
40.0	0.761	0.770	0.783	0.791	0.791	0.791
40.5	0.770	0.779	0.792	0.800	0.800	0.800
41.0	0.778	0.787	0.800	0.809	0.809	0.809
41.5	0.787	0.796	0.809	0.818	0.818	0.818
42.0	0.795	0.804	0.818	0.841	0.853	0.871
42.5	0.803	0.812	0.826	0.849	0.861	0.879
43.0	0.812	0.821	0.835	0.857	0.869	0.887
43.5	0.820	0.829	0.843	0.865	0.877	0.895
44.0	0.828	0.838	0.852	0.873	0.885	0.903
44.5	0.836	0.846	0.860	0.881	0.893	0.911
45.0	0.845	0.854	0.869	0.889	0.901	0.919
45.5	0.853	0.862	0.877	0.897	0.909	0.927
46.0	0.861	0.871	0.886	0.905	0.917	0.935
46.5	0.869	0.879	0.894	0.913	0.925	0.943
47.0	0.877	0.887	0.902	0.921	0.933	0.951
47.5	0.885	0.895	0.911	0.929	0.941	0.959
48.0	0.893	0.903	0.919	0.937	0.949	0.967
48.5	0.901	0.912	0.927	0.945	0.957	0.975
49.0	0.909	0.920	0.935	0.953	0.965	0.983
49.5	0.917	0.928	0.944	0.961	0.973	0.991

Test Weight	Less Than 255 Sq. Ft.	255 Sq. Ft. to 461 Sq. Ft	462 Sq. Ft. to 767 Sq. Ft	768 Sq. Ft. to 1384 Sq. Ft	1385 Sq. Ft. to 2289 Sq. Ft	2290 or Over Sq. Ft
50.0	0.925	0.936	0.952	0.969	0.981	0.999
50.5	0.933	0.944	0.960	0.978	0.990	1.009
51.0	0.941	0.952	0.968	0.986	0.998	1.017
51.5	0.949	0.960	0.976	0.994	1.006	1.025
52.0	0.956	0.968	0.984	1.003	1.015	1.034
52.5	0.964	0.975	0.992	1.011	1.024	1.043
53.0	0.972	0.983	1.000	1.019	1.032	1.051
53.5	0.980	0.991	1.008	1.027	1.040	1.059
54.0	0.987	0.999	1.016	1.036	1.049	1.069
54.5	0.995	1.007	1.024	1.044	1.057	1.077
55.0	1.003	1.015	1.032	1.052	1.065	1.085
55.5	1.010	1.022	1.040	1.060	1.073	1.094
56.0	1.018	1.030	1.048	1.068	1.081	1.102
56.5	1.026	1.038	1.056	1.076	1.089	1.110
57.0	1.033	1.045	1.064	1.084	1.097	1.118
57.5	1.041	1.053	1.071	1.092	1.105	1.126
58.0	1.048	1.061	1.079	1.100	1.113	1.134
58.5	1.056	1.068	1.087	1.108	1.122	1.143
59.0	1.063	1.076	1.095	1.116	1.130	1.151
59.5	1.070	1.083	1.102	1.123	1.138	1.160
60.0	1.078	1.091	1.110	1.131	1.146	1.168
60.5	1.085	1.098	1.118	1.139	1.153	1.175
61.0	1.093	1.106	1.125	1.147	1.161	1.183
61.5	1.100	1.113	1.133	1.155	1.169	1.191
62.0	1.107	1.120	1.140	1.163	1.177	1.199
62.5	1.114	1.127	1.147	1.171	1.185	1.207
63.0	1.121	1.134	1.154	1.179	1.193	1.215
63.5	1.128	1.141	1.161	1.187	1.201	1.223
64.0	1.135	1.148	1.168	1.195	1.209	1.231

Applicable only to shelled popcorn. If the actual test weight is not shown on the chart, refer to exhibit 7, Section II, column 60b for instructions.

All Stage are based on 50 percent of the plants in the sample at or beyond a given phase of development.

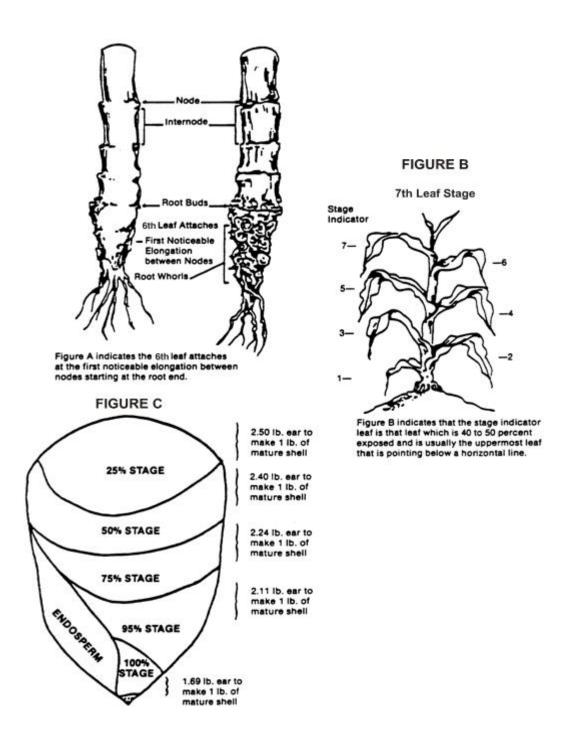
		sample at or beyond a given pha							
STAGE OF GROWTH (LEAF IS 40 TO 50 PERCENT EXPOSED AND IS USUALLY THE UPPERMOST LEAF TIP POINTING BELOW A HORIZONTAL LINE	AVERAGE TIME INTERVAL (THIS STAGE TO NEXT)	COLLAR OF THIS LEAF IS VISIBLE	TIP OF THIS LEAF IS VISIBLE	PERCENT OF LEAF AREA EXPOSED					
7 <sup>th</sup> Leaf	3 days	5 <sup>th</sup>	9 <sup>th</sup>	6					
8 <sup>th</sup> Leaf	3 days	6 <sup>th</sup>	$10^{ m th}$	10					
9 <sup>th</sup> Leaf	3 days	7 <sup>th</sup>	11 <sup>th</sup>	16					
10 <sup>th</sup> Leaf	3 days	7 <sup>th</sup>	12 <sup>th</sup>	23					
11 <sup>th</sup> Leaf	3 days	8 <sup>th</sup>	13 <sup>th</sup>	31					
12 <sup>th</sup> Leaf	3 days	9 <sup>th</sup>	14 <sup>th</sup>	41					
13 <sup>th</sup> Leaf	3 days	10 <sup>th</sup>	15 <sup>th</sup>	50					
14 <sup>th</sup> Leaf	3 days	11 <sup>th</sup>	16 <sup>th</sup>	60					
15 <sup>th</sup> Leaf	3 days	12 <sup>th</sup>	$17^{ m th}$	69					
16 <sup>th</sup> Leaf	3 days	13 <sup>th</sup>	18 <sup>th</sup>	77					
17 <sup>th</sup> Leaf	3 days	14 <sup>th</sup>		84					
18 <sup>th</sup> Leaf	2 days	15 <sup>th</sup>		94					
19-21 Leaf	Tassel and ear shoot emerging but not fully extended. Removal of husks will show the silk to be shorter than c The last leaves of the plant are in the process of becomin fully extended. Elongation of upper nodes is not complete.								

NAME OF STAGE	AVERAGE TIME INTERVAL (THIS STAGE TO NEXT)	CHARACTERISTICS	PERCENT OF LEAF AREA EXPOSED
Tasseled	4 days	Tassel fully extended; ear shoot exposed but no silk showing. Husks opened on the ear shoot would show the silk longer than cob. No pollen evident. Plant has reached maximum size.	99
Silked	4 days	Pollination period. Silks have emerged. Tassel is shedding pollen.	100
Silks Brown	5 days	Pollination period almost complete. Seventy-five percent of silks on ear shoot showing a purple to brown color. Silks are not dry to the touch even though the color has changed to purplish brown.	
Pre-Blister	4 days	Pollination period is complete. Silks are brown but not dry. No fluid in seed coat and kernel has appearance of a pimple.	
Blister	4 days	Kernels on cob appear as watery blisters. Kernel is white fluid is colorless. Removal of fluid from kernel would leave only hull.	
Early Milk	4 days	Kernels changing in color from translucent to yellow. Kernels of seed coat starting to show slight yellow appearance. Thin chalky or milky substance in kernels.	
Milk	5 days	Full yellow color. Cob has reached its maximum length. Milky fluid in kernel, no solid substance.	
Late Milk	4 days	Milky fluid thickening and solids forming at the end opposite tip of kernel. Crush kernel to determine existence of vitreous (glassy) starch deposits.	
Soft Dough	5 days	Pasty or semi-solid. Deposits of dense or horny endosperm give the impression of a small lens or incomplete cap to the kernel. Kernels still produce a milky substance when squeezed.	
25 percent stage	5 days	Thick gummy substance will be evident when kernel is squeezed but kernels will still squirt some milk when mashed. Glazing or (capping) evident near the butt end of the ear.	
50 percent stage	5 days	Capping evident in most kernels. While most kernels will not squirt milk when squeezed, there will be evidence of milk in the top of some kernels. the endosperm has shown signs of hardening.	
75 percent stage	5 days	All kernels are capped. Kernels showing distinct brown coloration. Drying of the husks.	
95 percent stage	5 days	Kernels have full coloration. Dry matter has accumulated in all but the tips of the kernels.	
100 percent stage		Physiological maturity and the point of maximum grain dry matter has been reached. Loss in weight from this point to full maturity (15 percent moisture) reflects reduction in moisture from approximately 40 percent to 15 percent.	

All stages are based on 50 percent of the plants being at or beyond a given phase of development. Modifications to the late reproductive stage characteristics of popcorn provided by E.J. Stevens, S.J. Stevens, A.D. Flowerday. University of Nebraska – Lincoln.

**NOTE:** See exhibit 18, Figures A, B, and C for descriptive pictures of the popcorn plant.

## FIGURE A



## **Full Maturity**

Figure C indicates the stages of maturity by determining in which quarter of the kernel that the line separating the solids and the milk is located.