



United States
Department of
Agriculture



Federal Crop
Insurance
Corporation

FCIC-25025 (01-2019)
FCIC-25025-1 (12-2019)

TOBACCO LOSS ADJUSTMENT STANDARDS HANDBOOK

2020 and Succeeding Crop Years

**RISK MANAGEMENT AGENCY
KANSAS CITY, MO 64133**

TITLE: TOBACCO LOSS ADJUSTMENT STANDARDS HANDBOOK	NUMBER: 25025 (01-2019) 25025-1 (12-2019)
EFFECTIVE DATE: 2020 and Succeeding Crop Years	ISSUE DATE: December 09, 2019
SUBJECT: Provides the procedures and instructions for administering the Tobacco crop insurance program	OPI: Product Administration and Standards Division
	APPROVED: /s/ <i>Richard H. Flournoy</i> 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. Throughout the handbook: Made editorial and syntax changes to incorporate the most recent RMA approved handbook formatting, use of appropriate acronyms, standard language, and updated references, examples, and example forms as needed.
2. Comments that pertained to grammar, punctuation, deleting unneeded words, rewording to make a sentence flow better, corrections of reference numbers, formatting, etc., are not listed.
3. **Subparagraph 16 (2)(e)(i)(b):** Revised procedure to determine the calculated DF by dividing the price received for the damaged tobacco at sale by the non-organic established price (No Practice Specified – 997) and subtracting the result from 1.000. Also updated the example table.
4. **Subparagraph 35 B(4)(c):** Deleted subparagraphs (i) and (ii). Inserted instructions to refer to subparagraph 35 B(5) for the procedure for calculating the leaf factor.
5. **Subparagraph 35 B(5):** Revised the Mature Tobacco Leaf Computation procedure to apply to all tobacco types.
6. **Exhibit 3, item 15:** Revised the instruction to use the Mature Tobacco Leaf Computation instructions found in subparagraph 35 B(5) to determine the appropriate leaf factor for all types.
7. **Exhibit 4, item 65b.:** Corrected reference.
8. **Exhibit 4, Production Worksheet example:** Corrected the price used in the narrative to coincide with the revised instructions in subparagraph 16 (2)(e)(i)(b).

TOBACCO LOSS ADJUSTMENT STANDARDS HANDBOOK

CONTROL CHART

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FILING INSTRUCTIONS

This handbook replaces the 2019 Tobacco Loss Adjustment Standards Handbook, FCIC-25025 (01-2019). This handbook is effective for the 2020 and succeeding crop years and is not retroactive to any 2019 or prior crop year determinations.

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PART 1 - GENERAL INFORMATION AND RESPONSIBILITIES

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 www.rma.usda.gov.

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 tobacco 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.

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 AIPs 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 - 4 are the minimum requirements for the Tobacco Appraisal Worksheets and PWs. 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 - 4. The current Non-Discrimination Statement and Privacy Act Statement can be found on the RMA website at: www.rma.usda.gov 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."
- (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)

PART 2 - POLICY INFORMATION

The AIP determines if the insured has complied with all policy provisions of the insurance contract. The Tobacco 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, Tobacco CP, and SP for a complete list.

- (1) In accordance with section 8 of the BP and section 7 of the CP, the insured crop will be each tobacco type the insured elects to insure and for which a premium rate is provided by the actuarial documents:
 - (a) In which the insured has a share; and
 - (b) That meets all rotation requirements in the SP.
- (2) The insured will be considered to have a share in the insured crop if the insured retains control of the acreage on which the tobacco is grown, and the insured bears any risk if the crop is damaged or lost.
- (3) Refer to section 8 of the BP for additional provisions.
- (4) Insurable acreage is acreage planted to the insured crop in which the insured has a share, except for acreage:
 - (a) Planted in any manner other than as provided in the definition of “planted acreage,” unless otherwise provided by the SP or by WA. Refer to definitions in exhibit 2.
 - (b) On which the insured crop is damaged, and it is practical to replant the insured crop and it is not replanted. In addition to this, tobacco acreage damaged before the final planting date to the extent that the majority of producers in the area would not normally further care for the tobacco crop, is not insurable unless such crop is replanted, or we agree that replanting is not practical. Refer to the BP and the LAM for the definition of “Practical to replant.”
- (5) Refer to the section 9 of the **BP** for additional reasons acreage is not considered insurable.
- (6) In lieu of the provisions in section 11 of the BP, coverage ends at the earlier of:
 - (a) Total destruction of the tobacco on the unit;
 - (b) Removal of the tobacco from the unit where grown, except for curing, grading, and packing;
 - (c) Abandonment of the crop on the unit;

11 Insurability (Continued)

- (d) Final adjustment of the loss on the unit;
- (e) The calendar date for the end of the insurance period, which is the date immediately following planting and designated by tobacco types and states specified in the Tobacco CP (or as otherwise stated in the SP); or
- (f) For Burley Tobacco only, the calendar date for the Final Harvest Date stated in the SP for any tobacco that remains unharvested after that date.
 - (i) Tobacco must be harvested, and hung in a curing facility no later than the date specified in the SP.
 - (ii) The insured must notify the AIP in writing no later than the date specified in the SP if any tobacco acreage will not be harvested. If the insured fails to comply with this requirement, any loss on such acreage will be considered solely due to an uninsured COL.
 - (iii) Any tobacco acreage that is not harvested, and hung in a curing facility by the date specified in the SP:
 - (A) Will not be eligible for QA;
 - (B) That is damaged by an insurable COL prior to the date specified in the SP, will be considered to have been damaged solely by uninsured causes unless it is appraised by the AIP (The appraisal will be used in determining any indemnity that may be due); and
 - (C) Will not be covered for any COL that occurs after the date specified in the SP.
- (7) It is the insured's responsibility to establish any loss of production or quality was due to an unavoidable insured COL as the result of a naturally occurring event that occurs during the insurance period. For example, even though fire is listed as a COL in section 10 of the CP, the fire damage must have been due to a natural event that occurred during the insurance period. Refer to the LAM for additional information about fire damage and specifically fire damage to curing tobacco in the barn.
- (8) In accordance with section 14 of the BP, if the insured has given notice of damage less than 15 days before harvest or during harvest of the tobacco, the insured must leave intact, unharvested representative samples of the crop (RSCs) in each field in the unit.
 - (a) In accordance with section 11 of the Tobacco CP, the RSCs:
 - (i) Must be at least 5 feet wide (at least two rows) and extend the entire length of each field in the unit.
 - (ii) Must not be harvested or destroyed until after the AIP [adjuster] has inspected them.

11 Insurability (Continued)

- (b) The adjuster's inspection of the RSCs is used to determine if the pounds and damage of the harvested tobacco are representative of the pounds and damage of the intact (unharvested plants) in the RSCs. The inspections of the RSCs are also used to assist in verifying if additional damage or additional insured causes occurred to the tobacco after the initial inspection or last inspection if more than one inspection occurred.
 - (i) The adjuster's inspection of the RSCs must be done as soon as possible after harvest on the unit has been completed, but generally not later than 15 days after harvest on the unit has been completed to ensure the integrity of the crop samples. Weather conditions and type of damage can result in the loss of the crop samples and/or integrity of the samples if the inspection is later than this date. The AIP must communicate closely with the insured to determine when harvest has been completed on the unit, to meet these requirements.
 - (ii) If the per-acre amount of marketable production in the RSCs appears to be greater than the harvested production, complete an appraisal and record on a Tobacco Appraisal Worksheet. If the per-acre appraisal of the RSCs is greater than the harvested production, notify your supervisor immediately before proceeding with completion of the claim.
 - (iii) In accordance with section 12(e) of the Tobacco CP, if the AIP has conducted an appraisal of the insured crop, determines that the harvested production reported by the insured is inconsistent with the appraised production, and the insured cannot prove an insurable cause occurred between the time of the appraisal and the end of the insurance period that caused a reduction in production, the claim will be settled based on the appraisal even if the insured has harvested the acreage. QA will not be applicable on such production.
- (c) **Documentation of the RSC Inspection.** The adjuster must document the RSC inspection on a Special Report and retain in the insured's loss file. The documentation must include, but is not limited to, the following:
 - (i) Condition (extent and types of damage) of the tobacco in the RSCs and if it correlates to the harvested tobacco after it has been cured;
 - (ii) The estimated amount of production and if it is comparable to the number of pounds harvested. If an appraisal was completed as outlined in subparagraph 8(b)(ii) above, attach the completed Tobacco Appraisal Worksheet to the Special Report and retain in the insured's file folder;
 - (iii) Date harvest was completed on the unit;
 - (iv) If the inspection is later than 15 days after the date harvest was completed on the unit, why the inspection was done later than this;
 - (v) Any other pertinent information;

11 Insurability (Continued)

- (vi) Date of inspection; and
 - (vii) Adjuster's signature and code number.
- (9) In accordance with section 11 of the Tobacco CP, the insured must leave all tobacco stalks and stubble in the unit intact for the AIP's inspection. The stalks and stubble must not be destroyed until the AIP (not the agent) gives written consent to do so, or until 30 days after the end of the insurance period, whichever is earlier. Refer to (c) below regarding when the AIP's can provide consent to destroy the stalks and stubble prior to an AIP inspection.
- (a) For any acreage where the stalks and stubble have been destroyed without the AIP's consent, the per-acre production guarantee will be assessed as PTC in accordance with section 12(c)(1)(i)(E) of the Tobacco CP.
 - (b) When only stubble is left after harvest because the stalks have been destroyed due to the type of harvesting equipment or harvest practice applicable to the type of tobacco, this meets the insured's policy requirements for leaving stalks and stubble but still requires an adjuster's inspection, unless (c) below applies.
 - (c) For any insureds that have not turned in a NOL on or prior to the day of completion of harvest on the unit, the AIP may provide consent to destroy the stalks and stubble.
 - (d) For any insureds that have turned in a NOL on or prior to the day of completion of harvest on the unit, a Stalk and/or Stubble Inspection must be completed as stated in 9(e) below.
 - (e) The adjuster's inspection of the remaining stalks and/or stubble is used to determine if all of the production, excluding the required representative samples of the crop, has been harvested from the acreage, as well as other information the adjuster might determine during this inspection.
 - (i) The inspection of the stalks and/or stubble must be completed as soon as possible after completion of harvest on the unit but generally not later than 15 days after harvest on the unit has been completed. If there was any unharvested tobacco, an inspection later than the 15 days may result in the adjuster being unable to determine whether there were or were not marketable leaves due to the deterioration of the tobacco as required in (ii) below. The AIP must communicate closely with the insured to determine when harvest has been completed on the unit, to meet these requirements. After the adjuster has inspected the stalks or stubble, the AIP may provide the insured written consent to destroy the stalks or stubble.
 - (ii) If all of the production has not been harvested and it is determined that any remaining unharvested production is/was marketable but was not harvested, the adjuster must appraise and complete an appraisal worksheet. Do not include in the appraisal the representative samples of the tobacco as required in subsection 11(8) above. Include the appraised production as PTC on the PW.

11 Insurability (Continued)

- (f) The adjuster will document the stalk inspection on a Special Report or form developed by the AIP specific to a Stalk Inspection and retain in the insured's file folder. The documentation must include, but is not limited to, the following:
 - (i) Whether all of the acreage and/or tobacco was harvested and if not, whether there was any remaining marketable tobacco that could have been harvested.
 - (ii) If an appraisal was completed as outlined in subparagraph 9(e)(ii) above, attach the completed Tobacco Appraisal Worksheet to the Special Report.
 - (iii) Date harvest was completed on the unit;
 - (iv) If the inspection is later than 15 days after the date harvest was completed on the unit, why the inspection was done later than this;
 - (v) Any other pertinent information; e.g., types of disease(s) present, poor sucker control, infestation of weeds, poor management during curing process, etc.;
 - (vi) Date of inspection; and
 - (vii) Adjuster's signature and code number.
- (10) If the insured submitted a NOL to their AIP more than 15 days prior to harvest, the insured is not required to leave RSCs. When there are no RSCs for the adjuster to inspect, it may be more difficult for the insured to establish that an insured COL damaged the tobacco rather than damage being caused from poor harvest and/or barn management practices.
 - (a) When it is questionable whether the COL being claimed was due to an unavoidable insured COL that occurred in the field or the barn, the insured must provide verifiable documentation to the AIP that will establish the reason for the loss of production and/or quality was due to an unavoidable insured cause(s) of loss that occurred in the insurance period before a claim can be paid. Documentation the insured may provide to establish damage is due to an unavoidable insured COL can include, but is not limited to, the following:
 - (i) Weather reports from local weather bureaus to prove the times and frequencies of adverse weather events that caused the loss of production and/or quality;
 - (ii) Names of any tobacco pests or disease-causing damage and proof of control measures taken and the insured COL that caused the control measures to be ineffective; and

11 Insurability (Continued)

- (iii) The opinions of at least one tobacco agricultural expert; and
 - (A) The opinions can be from published material and/or written opinions regarding whether the COL was due to a natural cause that was unavoidable and whether the COL would have caused a yield loss and/or quality deficiency in the cured tobacco. If a written opinion is submitted, it must include a statement regarding any familial or other business relationship between the expert and the approved AIP, agent, loss adjuster, or insured. If the written opinion cannot be backed up with published materials, the insured must provide at least one other additional agricultural expert's opinion that supports this opinion as required in subparagraph (B)(2) below.
 - (B) The recommendation of at least one additional agricultural expert if:
 - (1) The expert providing an opinion has a business relationship with the producer, such as providing of advice and/or sale of inputs to the producer's operation, or is employed by a firm that has provided such advice or inputs;
 - (2) The agricultural expert providing an opinion has a familial relationship with the producer or approved AIP, loss adjuster, or agent or will benefit financially from the outcome of the opinion as a result of some other business relationship other than disclosed amounts paid to provide a written opinion in a timely manner; or
 - (3) The written opinion in (iii) above is not supported by published documentation, then at least the opinion of one other agricultural expert that supports this opinion is needed.
- (b) The AIP will review and verify the documentation to determine if the documentation provided by the insured satisfactorily establishes there was an unavoidable cause(s) of loss that caused the damage or extent of damage. If the AIP determines the insured's documentation does not satisfactorily establish the cause and/or extent of damage, the AIP must take the appropriate action based on the evidence; i.e., pay the claim, assess uninsured cause appraisal for the portion of the loss the insured could not prove, or deny the claim.
- (c) Retain, in the insured's file folder, all copies of all of the insured's documentation and the AIP's documentation of the AIP's review and verification of the insured's documentation and actions taken.

12 Unit Division

In lieu of the definition in the BP, a basic unit is all insurable acreage of an insurable type of tobacco in the county in which the insured has a share on the date of planting for the crop year and that is identified by a single FSA FN at the time insurance first attaches under the Tobacco CP for the crop year.

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

13-15 (Reserved)

PART 3 - QUALITY ADJUSTMENT

16 Tobacco Quality Adjustment for Only Burley and Flue Cured Types

- (1) Burley tobacco must be harvested and hung in a curing facility no later than the date specified in the SP. The insured must notify the AIP in writing no later than the date specified in the SP if there is any of the insured tobacco acreage he/she does not intend to harvest. Any tobacco acreage that is not harvested and hung in a curing facility by the date specified in the SP will not be eligible for QA.
- (2) In lieu of section 12(f) of the Tobacco CP, tobacco production may be adjusted for quality deficiencies as follows:
 - (a) The insured must contact the AIP before any damaged tobacco is disposed of, so the tobacco can be inspected and graded by an AMS grader to determine the amount of tobacco that may be eligible for QA. The AMS grader will place a grading stamp on each bale graded. The purpose of the AMS stamp is to alert graders that a bale has previously been graded.
 - (b) If the insured sells or otherwise disposes of any damaged tobacco, reworks the bale(s), or removes the AMS stamp without giving the AIP the opportunity to inspect it, such tobacco will not be eligible for QA.
 - (c) Tobacco production will be adjusted for quality only if the deficiencies resulted from a COL insured under section 10 of the CP;
 - (d) For quality to be a factor in determining tobacco PTC, the insured must obtain an assigned grade from a tobacco grader who is employed by the AMS or successor agency for all tobacco that is eligible for QA, no later than 60 days after the calendar date for the end of the insurance period.
 - (i) The tobacco must be assigned a grade in accordance with USDA Official Standard Grades published at 7 CFR part 29. On the date of final inspection for the unit, the grade discount factors are determined using the DF chart in the SP. No QA will be made on any production which has been assigned a grade that does not appear on the DF Chart.
 - (ii) The assigned grade must have been valid at the time the tobacco was sold or must remain valid at the time the claim is adjusted for quality for tobacco that remains unsold.

An assigned grade will not be valid if the AMS stamp has been removed or the tobacco is not offered for sale and sold in the same packaging, form, and condition as presented to the AMS grader for evaluation; and

16 Tobacco Quality Adjustment for Only Burley and Flue Cured Types (Continued)

- (iii) Unless the tobacco remains unsold 60 days after the calendar date for the end of the insurance period, the insured must also deliver and sell all tobacco to an industry recognized receiving station or through a tobacco warehouse that holds auctions where multiple entities are able to bid on tobacco. The sales receipt must identify the bale and price for the bale.
- (e) Any adjustment in PTC will be determined as follows:
 - (i) For production sold prior to 60 days after the end of insurance period:
 - (A) Determining the grade DF for the corresponding grade as specified in the DF chart in the SP;
 - (B) Determining the calculated DF by dividing the price received for tobacco at sale by the non-organic established price (No Practice Specified – 997) and subtracting the result from 1.000;
 - (C) Subtracting from 1.000 the lesser of the grade DF (result of (A) above) or calculated DF (result of (B) above) to determine the QAF; and
 - (D) Multiplying the pounds of damaged tobacco production by the QAF to determine the net PTC.

Example:

Lbs	AMS Grade	Chart DF	Price Rec'd	Est. Price	Calc. DF	Lesser of chart DF or Calc. DF	QAF (1.000 – DF)	PTC
500	C4G	.600	\$1.15	\$1.80	.361	.361	.639	320

Note: A claim will not be finalized prior to 60 days after the calendar date for the end of the insurance period unless the tobacco has been sold or destroyed if deemed to have ZMV.

- (ii) For production that has been graded but remains unsold 60 days after the end of insurance period:
 - (A) Determining the grade DF for the corresponding grade as specified in the DF chart in the SP;
 - (B) Subtracting from 1.000 the lesser of the grade DF or 0.500 to determine the QAF; and
 - (C) Multiplying the pounds of damaged tobacco production by the QAF to determine the net PTC.

16 Tobacco Quality Adjustment for Only Burley and Flue Cured Types (Continued)

Example:

Lbs.	AMS Grade	Chart DF	Price Rec'd	Est. Price	Calc. DF	Lesser of chart DF or Calc. DF	QAF (1.000 – DF)	PTC
500	C4G	.600	NA	NA	.500	.500	.500	250

- (f) Any production which due to an insured cause, AMS has assigned a grade shown on the DF Chart in the SP with a corresponding DF of “***” will be considered to have ZMV. Such production will not be considered PTC if the production is destroyed in a manner acceptable to the AIP. The destruction must result in the production having no possibility of being marketed and has no possibility of any salvage use that could result in any type of compensation to the insured. If the insured chooses not to destroy such production, no adjustment will be made to PTC for quality.
 - (i) For a ZMV determination, the adjuster must, in all cases, physically witness the destruction of any tobacco with an **assigned grade** shown on the DF Chart in the SP with a corresponding DF of “***” and document in the claim file:
 - (A) Date of destruction;
 - (B) Method in which the tobacco was destroyed;
 - (C) Location where destruction occurred;
 - (D) Photos;
 - (E) Amount of tobacco destroyed;
 - (F) That the AMS stamp has not been removed; and
 - (G) Bale tags from each of the bales being destroyed. The adjuster must verify with the Tobacco Administration Grading Service (TAGS) information from RMA that the number of bales assigned a grade shown on the DF Chart in the SP with a corresponding DF of “***” are destroyed during the on-farm inspection. If fewer bales are actually destroyed than indicated on the TAGS information, the adjuster must determine the disposition of the other bales. Refer to (iii)(A) below.
 - (ii) The procedures for producer self-certification of destroyed production in the LAM are not applicable, and the Certification Form will not be an acceptable form of documentation of destruction.
 - (iii) The following scenarios will apply to the tobacco PTC:

16 Tobacco Quality Adjustment for Only Burley and Flue Cured Types (Continued)

- (A) If the tobacco is assigned an “N” grade by AMS, it must not be tampered with, broken down (if baled), resorted or reconstituted in any way (up to the point of destruction). If evidence suggests this is taking place, no QA will be allowed, and the full unit guarantee may be included as PTC for each unit involved.
- (B) If the tobacco is destroyed, but not in the presence of the loss adjuster, no QA will be allowed for the tobacco and the full production amount will be included as PTC.
- (C) If the tobacco is not destroyed, no QA will be allowed for the tobacco and the full production amount will be included as PTC.
- (D) Once the tobacco is destroyed in the presence of the loss adjuster, none of the destroyed tobacco will be included as PTC.

(g) There is no QA on appraised unharvested production. It is counted pound for pound.

(3) Tobacco Graded by AMS’ Tobacco Administration Grading Service

If any of the insured’s tobacco has been graded at a TAGS location, AMS electronically transmits the graded tobacco information to RMA. RMA then transmits this information to the insured’s AIP for the purpose of determining the QAF(s) of any of the insured’s graded tobacco that qualifies for QA. The information provides the AIP with at least the following:

- (a) Insured’s policy state code, policy county code, and policy number;
- (b) Tax ID of the insured;
- (c) Crop Year;
- (d) Crop Code;
- (e) Grading Confirmation Number (GCN) that is assigned by TAGS;
- (f) FN;
- (g) Bale Number, Weight, and grade of each bale graded. If the tobacco receives an “N” grade, the reason for such a grade;
- (h) Location where the tobacco was graded;
- (i) Date Tobacco was graded;
- (j) Tobacco type identified as burley (B) or flue cured (F);

16 Tobacco Quality Adjustment for Only Burley and Flue Cured Types (Continued)

- (k) Leaf form – Leaf (L) or Strip (S);
- (l) Reloaded – Identified by Y or N as whether or not the Tobacco was reloaded on the truck for sale.

17 Tobacco Quality Adjustment for All Tobacco Types Other Than Burley and Flue Cured

- (1) Mature (harvested and cured) tobacco production may be adjusted for quality deficiencies if, due to an insurable cause, the average value of the harvested tobacco is less than 75 percent of the insured's price election and all of the other quality criteria are met based on the following criteria in items (2)-(8). Refer to subparagraph 17 (5)(b) for examples.
 - (a) The average value for harvested production includes the value of damaged and undamaged harvested production. Refer to subparagraph 35D for information about appraising unsold harvested tobacco remaining in the barn.
 - (b) There is no QA on appraised unharvested production, and it is counted pound for pound and valued at the insured's price election.
- (2) In accordance with section 12(f)(1) of the Tobacco CP, the insured must contact the AIP before any mature, cured tobacco is disposed of so the AIP can inspect the tobacco to determine the extent of the damage. In accordance with section 12(f)(3) of the Tobacco CP, if the insured disposes of any tobacco before the AIP has the opportunity to inspect the tobacco, no QA for such production is allowed, regardless of the average value of the production. Also, see (4) below.
- (3) Determining Average Value.
 - (a) The average value is determined by dividing the value of all of the harvested production by the total pounds of production that has a value, excluding pounds of harvested tobacco with ZMV. If the AIP determines the value received for the harvested tobacco is not reasonable, the AIP may adjust the average value to a reasonable value as stated in (4) below. Tobacco production having ZMV is adjusted separately from the tobacco having a value. Refer to subparagraph 17(8) below for information regarding harvested tobacco with ZMV.
 - (b) Regardless of the variances in damage (due to unavoidable insured causes) to the tobacco in the unit, (including tobacco having some damage and some having no damage), if the average value of all of the harvested tobacco (excluding harvested tobacco with ZMV) in the unit is less than 75 percent of the insured's price election, all of the harvested production will be eligible for QA. Some examples of when this could happen, but is not limited to the following:

17 Tobacco Quality Adjustment for All Tobacco Types Other Than Burley and Flue Cured (Continued)

Example 1: Some types of tobacco have leaves of tobacco harvested, cured and sold at various times throughout the season; e.g., Fire-Cured Tobacco. If the earliest harvested, cured and sold tobacco contained no damage and then an unavoidable, insured COL occurred to the remaining tobacco on the stalks, any of the damaged and undamaged leaves harvested from the stalk will be quality adjusted if the average value of all harvested tobacco (excluding harvested zero value tobacco) is less than 75 percent of the insured's price election.

Example 2: Some types of tobacco are harvested with the tobacco leaves still on the stalk; e.g., Fire Cured. If some of the tobacco that had no damage was harvested and placed in the barn for curing and then an unavoidable, insured COL occurred to the remaining tobacco still in the field that is subsequently harvested, all of the damaged and undamaged tobacco will be quality adjusted if the average value of all harvested tobacco (excluding harvested zero value tobacco) is less than 75 percent of the insured's price election.

- (4) Section 12(f)(2) of the Tobacco CP indicates if the average value for the harvested tobacco does not correlate with the amount of damage determined by the AIP during the inspections outlined in subparagraphs 11(8) and/or 14(2) above, as applicable, the AIP has the authority to consider the average value unreasonable. If the AIP determines the average value of the damaged production for the tobacco is:
 - (a) Reasonable, the AIP will use this average value to determine the QAF.
 - (b) Unreasonable, the AIP may adjust the average value (to reflect a reasonable average value for the damaged production) to determine the QAF.
- (5) The AIP's inspection of tobacco growing in the field will meet the requirement stated in (2) above and can be used to assist in determining if the average value of the tobacco is reasonable for the extent of damage as stated in (4) above. However, the insured must contact the adjuster if the expected quality changes. The adjuster may need to perform additional inspections to document the change in expected quality.
 - (a) The adjuster must document the inspection on a Special Report or an inspection report developed just for this purpose and a copy must be retained in the insured's file folder. The report must contain at least the minimum, but is not limited to:
 - (i) The condition and extent of damage of the tobacco (including cause(s) of damage (e.g., excess precipitation and disease)) at the time of the inspection.
 - (ii) A statement indicating the insured must notify the AIP so another inspection can be completed if the condition or extent of damage of the tobacco changes or any tobacco is sold at or below a price determined by the AIP at the time of the inspection.

17 Tobacco Quality Adjustment for All Tobacco Types Other Than Burley and Flue Cured (Continued)

- (iii) A certification statement that the insured has read the above and agrees to notify the AIP as outlined above.
 - (iv) The insured's signature and date of signature.
 - (v) The adjuster's signature and date of signature.
- (b) Examples of Adjusting the Average Value at Loss Time:

Example 1: The insured harvests 20,000 pounds of Fire Cured Tobacco: The insured's price election is \$2.75
QA would start **only if** the Average Value **of all harvested production in the unit** fell below \$2.06 ($\$2.75 \times .75$)
Sales records show the pounds, price per pound, and quality (grade). The insured sells 10,000 pounds to buyer A @ \$2.50 pound. The insured sells 10,000 pounds to buyer B @ \$0.75 pound. Based on sales records, the Average Value = \$1.63 ($\$32,500 \div 20,000 \text{ lbs.}$)

Based on inspection prior to the sale of the tobacco, the AIP determines the Average Value is unreasonable for the quality of the tobacco.

The AIP concludes the value received from buyer A is reasonable. The AIP concludes the value received from buyer B is unreasonable. The AIP determines the reasonable value per pound for the production sold to buyer B is \$1.10 rather than \$0.75.

The average value would be adjusted as follows:

Buyer A: 10,000 pounds X \$2.50 = \$25,000

Buyer B: 10,000 pounds X \$1.10 = \$11,000 adjusted value

$\$36,000 \div 20,000 \text{ lbs.} = \1.80 Adjusted Average Value

The value is below \$2.06 so quality would apply.

$\text{QAF} = \$1.80 \div \$2.75 = .655$

$\text{PTC} = 20,000 \times .655 = 13,100 \text{ pounds}$

Example 2: Same scenario as Example 1, except the quality (grade) of the production that was sold to buyer B is the same quality as sold to buyer A.

The AIP would use the same value as applied by buyer A. The average value would be, as follows:

Buyers A: 10,000 pounds X \$2.50 = \$25,000

Buyers B: 10,000 pounds X \$2.50 = \$25,000 (adjusted value)

$\$50,000 \div 20,000 \text{ lbs.} = \2.50 (Adjusted Average Value)

Because the Adjusted Average Value is higher than \$2.06, no QA can be applied.

**17 Tobacco Quality Adjustment for All Tobacco Types Other Than Burley and Flue Cured
(Continued)**

- (c) Ways to determine if the value is reasonable:
 - (i) All Sold Tobacco: If tobacco of the same quality has been sold to one buyer and the AIP determines the price is reasonable, and part of the production is unreasonable based on the extent of damage, the AIP may use the same value applied by the buyer using a reasonable value. See example 2 above.
 - (ii) Some Tobacco Sold and Some Unsold: When some tobacco has been sold and some mature, cured tobacco has not, and the unsold tobacco is of the same quality, use this value to value the unsold tobacco, provided the value determined for the sold tobacco is reasonable for the extent of quality damage. If no quality determinations have been made by a potential buyer for any unsold tobacco (extent of damage), AMS grading may be obtained to determine the quality. The AMS Inspection and Classification Certificate (refer to exhibit 9) meets the policy required record showing quality for QA purposes, and a copy must be retained in the insured's file folder. Refer to subparagraph 17(d) below for additional information for obtaining AMS grades.
 - (iii) All Cured Tobacco is Unsold: If the AIP cannot obtain a written offer from someone who is in the business of buying tobacco for the unsold tobacco and the loss adjuster verifies that there is no buyer in the area willing to buy the tobacco or that will provide a written offer of a reasonable value for such tobacco, no QA will apply. If a written offer is obtained, the following applies:
 - (A) The written offer will serve as the policy required record showing the price, and a copy must be retained in the insured's file folder.
 - (B) The written offer is to include at least (but is not limited to):
 - (1) The insured's name;
 - (2) Policy and unit number;
 - (3) Tobacco type; e. g., Fire Cured;
 - (4) Offeror's name and address;
 - (5) Dollar offer for the quality of tobacco being offered;
 - (6) Number of pounds, date of offer; and
 - (7) Offeror's signature (or person authorized to sign for the offeror).
 - (C) The AIP may submit samples to AMS to determine the quality (extent of damage) to assist in determining reasonable values. Refer to subparagraph 17(d) below for additional information for submitting samples to AMS.
 - (D) If offers are not reasonable based on the extent of damage, the AIP may adjust the average value.
 - (E) The AMS Inspection and Classification Certificate (refer to exhibit 9) meets the policy requirement of a record showing quality for QA purposes, and a copy must be retained in the insured's file folder.

**17 Tobacco Quality Adjustment for All Tobacco Types Other Than Burley and Flue Cured
(Continued)**

- (iv) When the AIP questions whether the value received is reasonable, or whether an offer for unsold production is reasonable, the AIP may be able to average the values their insureds have received for the same type and quality of tobacco from the claims that they have finalized, as a way to determine if the average value is reasonable.

(d) AMS Tobacco Grading

There may be times when AMS tobacco grading can be used to help the AIP determine if there is damage or the extent of damage to the tobacco, or to serve as the required policy record showing quality for QA purposes when the tobacco is unsold, and the insured does not have a record of quality. The AIP may obtain and submit samples on behalf of the insured, or the insured can arrange for AMS to grade the tobacco in the barn where the production is stored to determine the grade of the cured tobacco. If AMS grades the tobacco in the barn, the adjuster must also be present during the inspection.

- (i) Costs of AMS Grading:
 - (A) A one (1) pound sample submitted to AMS will cost \$47.40, unless specified otherwise by AMS.
 - (B) AMS grading tobacco in the barn will cost \$47.40 an hour (unless specified otherwise by AMS) to grade the tobacco, including travel time to and from the site.
- (ii) Adjuster Submitted Samples. Collect approximately one (1) pound 30 – 60 leaves for each “lot.”
 - (A) When tobacco is hanging or stored in a barn, a barn will be considered a “lot” unless it appears that the tobacco appears to have varying quality. If it appears there is differing quality, a lot will be considered by the differing quality in the barn. The one-pound sample will be taken from the samples collected as outlined in the procedures in subparagraph 35D.
 - (B) When tobacco is baled, 100 bales of like quality are considered a “lot.” Collect the samples from the bales as instructed in subparagraph 35D.
- (iii) Packaging and mailing sample for shipment. Wrap the one-pound sample in a plastic bag and place in a postal shipping box: Priority Mail, Federal Express or UPS overnight shipping. The package must also include:
 - (A) A “Request for Grading Services” form filled out by adjuster/insurance representative and as instructed on the form, a payment of \$47.40 (the form provides the payee title). Refer to exhibit 8.

**17 Tobacco Quality Adjustment for All Tobacco Types Other Than Burley and Flue Cured
(Continued)**

(B) The mailing address and telephone are as follows:

USDA, AMS Cotton and Tobacco Programs
Attention: Bobby Wellons
1306 Annapolis Drive, Room 201
Raleigh, NC 27608-0001
Telephone: 919-856-4552

- (iv) For specific instructions for AMS requests of grading at the insured's tobacco barn, contact AMS at the above telephone number.
- (6) PTC will be reduced only if the average value of the harvested and mature tobacco (excluding tobacco with ZMV) is less than 75 percent of the insured's tobacco price election. Harvested tobacco having ZMV is determined separately from tobacco having a value (refer to subparagraphs (7) and (8) below). The production will not be quality adjusted unless the insured provides the AIP with records that are acceptable to the AIP and which clearly show the number of pounds, price per pound, and the quality of such production. All such records must be retained in the insured's file folder. If the insured cannot provide records, no QA is allowed for such production.
- (a) If the insured knows he/she is going to sell the tobacco at an auction where quality (grades) are not shown on the records provided by the auction house:
- (i) A sample of the tobacco to submit to AMS may be obtained by an adjuster prior to the tobacco being delivered to the auction house; or
- (ii) The insured can arrange for AMS to grade the tobacco prior to delivery to the auction house. The adjuster must be present when AMS grades the tobacco in the barn.
- (b) The AMS grade shown on the AMS Inspection and Classification Certificate (refer to exhibit 9) meets the policy required record showing quality and the sales record of the auction warehouse meets the policy required record showing the pounds and value (subject to AIP adjustment if the value is unreasonable) for QA purposes. Refer to subparagraph 17(5)(d) above for additional information regarding AMS grading.
- (c) Refer to subparagraph 17(5)(c) above for policy record requirements for the value of production when there is unsold production.
- (7) If the average value of the harvested tobacco (excluding harvested tobacco with ZMV – refer to subparagraph 17(8) below) is less than 75 percent of the insured's price election, and all of the other QA criteria are met, the PTC for the harvested tobacco will be reduced as follows:

17 Tobacco Quality Adjustment for All Tobacco Types Other Than Burley and Flue Cured (Continued)

- (a) Divide the average value per pound of the harvested tobacco as determined in subparagraph 17(6) above by the insured's price election resulting in a QAF, rounded to three-decimal places. Refer to exhibit 4 for the entry instructions for Columns "64a, 64b, and 65" in "Section II C- "Adjustments to Harvested Production" of the PW.
 - (b) Multiply the QAF in column 65 by the pounds of harvested production.
- (8) If the AIP determines any harvested tobacco has been damaged to the extent that it has ZMV due to an insured COL, the harvested tobacco production will be adjusted to zero PTC, provided the insured destroys such production in a manner acceptable to the AIP.
- (a) The number of pounds of tobacco with ZMV that the insured has satisfactorily destroyed is entered and adjusted on a separate line on the PW from harvested tobacco with a value. The number of pounds having ZMV is multiplied by the QAF. The QAF (column 65, "Quality Factor") is determined by dividing 0.00 (Column 64a, "Value") by the insured's price election (column 64b, "Market Price") resulting in a QAF of .000. Refer to exhibit 4 for the entry instructions for Column 64a in "Section II", "C- Adjustments to Harvested Production" of the PW.
 - (b) If the insured refuses to destroy such tobacco or does not destroy it in a manner acceptable to the AIP, the value will be considered to be the insured's price election and will be included in determining the average value of the total harvested production. Refer to exhibit 4 for the entry instructions for Column "64a", "Value" in "Section II," "C- Adjustments to Harvested Production" of the PW. Also, refer to the LAM for additional information about destruction and documentation of zero value production.

18-20 (Reserved)

PART 4 - REPLANTING PAYMENT PROCEDURES

21 Replanting Payment Procedures

There is currently no replanting payment available for tobacco. Refer to subparagraph 11(4) for replanting requirements for damaged production.

22-30 (Reserved)

PART 5 - APPRAISALS

31 General Information

Potential production will be appraised in accordance with procedures specified in this handbook and the LAM. This includes production from lower stalk mature tobacco leaves (or leaves from any other stalk position) removed because the buyer refuses to accept production from this particular stalk position. This production must be included as PTC. If the insurance provider is not given the opportunity to appraise the tobacco and determine the amount of production before it is destroyed, then an appraisal for uninsured causes must be assessed in accordance with section 12(c)(1)(B) of the Tobacco CP.

32 Selecting Representative Samples

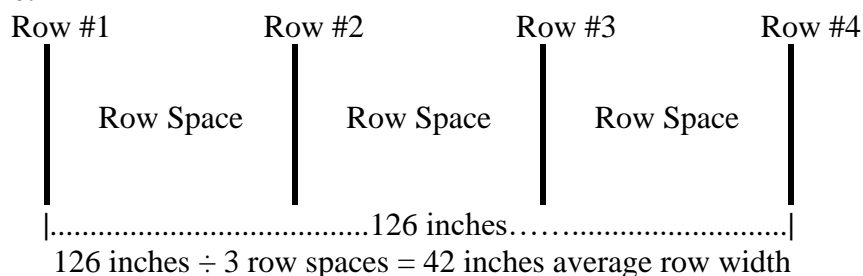
- (1) Determine the minimum number of required samples for a field or subfield by the field size, the average stage of growth, age (size) and general capabilities of the plants, and variability of potential production and plant damage within the field or subfield. Adjoining fields cannot be combined and appraised as one field.
- (2) 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.
- (3) Appraise each subfield separately.
- (4) Take not less than the minimum number (count) of representative samples required in exhibit 5 for each field and 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. 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:



33 Measuring Row Width for Sample Selection (Continued)

- (3) Where rows are skipped for tractor and planter tires, refer to the LAM.

34 Stages of Growth

Length of time required to reach various stages of growth after transplanting to the completion of harvest:

Stages	Length of Time (After Transplanting)
Beginning of growth	3 to 7 days
10 th leaf stage	4 to 5 weeks
Bloom stage	6 to 9 weeks
Beginning of harvest	2 to 2 1/2 months
Completion of harvest	3 to 4 months

35 Appraisals Methods

A. General Information

- (1) These instructions provide information on appraisal methods for:

Appraisal Methods...	Use...
Stand Reduction/Leaf Count Method	from the time of transplanting until all of the crop is harvested or removed from the field.
Machine Harvesting Method	for tobacco that can be machine harvested.
Cured Tobacco Hanging or Stored in the Barn Method	for tobacco which is completely cured and in proper moisture content as required for market.

- (2) The potential yield per acre of hand harvested tobacco is based on the number of normal leaves per acre remaining after damage, plus the number of leaves yet to emerge (if any). The total number of leaves divided by the number of normal leaves in one pound is the number of pounds of potential production per acre.
- (3) The potential yield per acre of machine harvested tobacco is based upon the number of normal leaves per acre remaining after damage, plus leaves yet to emerge (if any) on plants that will withstand machine harvesting. The number of leaves which can be harvested by machine divided by the number of normal leaves in one pound is the number of pounds of potential production per acre.

A. General Information (continued)

- (4) Delay appraisals at least seven days after the date of hail damage for unharvested tobacco.

B. Stand Reduction/Leaf Count Methods

(1) Selecting Representative Samples

- (a) Measure row widths as instructed in paragraph 33 to determine the average row-width.
- (b) Measure the original plant spacing.
- (c) Using the row-widths and plant spacing determined in steps (a) and (b), follow the instructions in exhibit 6 to determine the length of row per 100 plants and the number of plants per acre in the original planting pattern.
- (d) Select representative areas and rows in the field or subfield for each sample as indicated in paragraph 32. Pick a random point to start in the row. Measure the Length of Row per 100 plants as determined in (c) above.

(2) Stand Reduction Procedure:

- (a) Count the number of remaining plants in the sample that will produce marketable leaves. Subtract this number from 100 to determine plant loss per 100 plants. Example: 100-52 (live plants with marketable leaves) = 48 percent plant loss.
- (b) Record result of item (2) (a) above in Part I – Sample Determinations-Percent Plant Loss (item 13) of the appraisal worksheet.

(3) Determining Percent Potential:

- (a) Potential production on high plant population acreage does not usually decrease in direct proportion to a decrease in plant population. When plant population of the original stand is about 6,000 plants per acre or less, the potential production is usually in direct proportion to reduction of stand.

Refer to exhibit 6. When the plant population is above the heavy line in exhibit 6, only the percent of stand reduction in excess of 10 percent is allowed toward reduction in the percent of potential. Stand reductions to plant populations below the heavy line are allowed in direct proportion to plant reductions.

B. Stand Reduction/Leaf Count Methods (continued)

- (b) When the original plants per acre is above the heavy line, as indicated in exhibit 6, or otherwise calculated to be 6,198 or greater, subtract the average percent plant loss from 110 percent to obtain the percent potential.
- (c) When the original plants per acre is below the heavy line, as indicated in exhibit 6, or otherwise calculated to be less than 6,198, subtract the average percent plant loss from 100 percent to obtain the percent potential. The percent potential cannot exceed 1.000. Enter percent potential (expressed as a 3-place decimal) in item 29 of the Appraisal Worksheet.

Example:

Above Heavy Line	Below Heavy Line
110.0	100.0
- 12% Plant Loss	- 12% Plant Loss
98% Potential	88% Potential

- (d) The potential yield per acre is based on the determination of the number of normal leaves per acre after damage plus the number of leaves yet to emerge (if any), divided by the number of normal leaves required to weigh one pound.
- (4) Leaf Count Procedure:
- (a) In each sample row used to determine stand reduction, select 10 consecutive plants which will produce marketable leaves. When there is a dead plant, missing plant, or plant with no marketable leaves in the row, move to the next plant in the row that will produce marketable leaves to achieve the 10-consecutive plant sample.
 - (b) Strip the 10 consecutive live plants of all unmarketable leaves. (For machine harvesting, strip all leaves that will not be machine harvested due to insurable causes.) Count the number of marketable leaves remaining on all 10 plants and record in item 14 on the Tobacco Appraisal Worksheet.
 - (c) Examine the leaves counted in (b) above, determine the average size relative to a normal leaf (considering the stage of maturity). Leaf size may vary, and size may be affected by drought, excessive moisture, disease, or cultural practices. If the leaves are not of normal size, determine the appropriate leaf factor to use to convert leaves to normal leaf size, as follows **in (5) below.**

B. Stand Reduction/Leaf Count Methods (continued)

- (d) Using the same 10 plants, count the total number of leaves which normally would be expected to emerge for harvesting, and record in item 17 of the Tobacco Appraisal Worksheet. Take into consideration leafing stages, condition of the stalk, type, variety, and stress from any insured cause of damage.
- (e) Complete Part I Sample Determinations, using the instructions in exhibit 3, items 16 thru 26.

(5) Mature Tobacco Leaf Computation for All Types:

Measure length and width in inches of the largest leaf, on each of the 10 consecutive live plants in the sample.

- (i) Total the lengths of the largest leaf on the 10 plants and divide by 10.
- (ii) Total the widths of the largest leaf on the 10 plants and divide by 10.
- (iii) Multiply the average length, obtained in (i) above, times the average width, obtained in (ii) above, and divide by 371 (sq. in/avg. leaf) = leaf size factor (round to tenths).

Example: 38.0 (average length from 10 plants) \times 20.8 (average width from 10 plants) $790.4 \div 371 = 2.130$ or 2.1 factor. Note: Do not use if plants are not completely mature.

B. Stand Reduction/Leaf Count Methods (continued)

- (a) Measure length and width in inches of the largest leaf, on each of the 10 consecutive live plants in the sample.
 - (i) Total the lengths of the largest leaf on the 10 plants and divide by 10.
 - (ii) Total the widths of the largest leaf on the 10 plants and divide by 10.
 - (iii) Multiply the average length, obtained in (i) above, times the average width, obtained in (ii) above, and divide by 371 (sq. in/avg. leaf) = leaf size factor (round to tenths).

Example: 38.0 (average length from 10 plants)
x 20.8 (average width from 10 plants)
790.4 ÷ 371 = 2.130 or 2.1 factor.

Note: Do not use if plants are not completely mature.

(6) Appraised Production Calculation:

- (a) Determine the number of marketable leaves on the 10 consecutive plants in the sample as determined in 4 (b) above. The number is entered in item 14 of the Tobacco Appraisal Worksheet.
- (b) Multiply the number of marketable leaves on ten (10) stalks (item 14 of the Tobacco Appraisal Worksheet) times the Leaf Factor (item 15 of the Tobacco Appraisal Worksheet) to obtain the number of normal leaves (item 16 of the Tobacco Appraisal Worksheet).
- (c) Determine the number of leaves expected to emerge on the 10 plants (item 17 of the Tobacco Appraisal Worksheet).
- (d) Add the number of normal leaves (item 16 on the Tobacco Appraisal Worksheet) to the leaves expected to emerge (item 17 of the Tobacco Appraisal Worksheet) to obtain the number of marketable leaves on ten stalks (item 18 of the Tobacco Appraisal Worksheet). Total the marketable leaves for all samples entered in item 18 and enter the total at the bottom of item 18.
- (e) Divide the total of all samples of estimated marketable leaves by the number of samples (item 23 of the Tobacco Appraisal Worksheet) to obtain the average leaves per sample (item 24 of the Tobacco Appraisal Worksheet).

B. Stand Reduction/Leaf Count Methods (continued)

- (f) Divide the average leaves per sample (item 24 of the Tobacco Appraisal Worksheet) by 10 (item 25 of the Tobacco Appraisal Worksheet) to obtain the average number of marketable leaves per stalk (item 26 of the Tobacco Appraisal Worksheet).
- (g) Multiply the average number of marketable leaves per plant (item 26 of the Tobacco Appraisal Worksheet) by the number of plants per acre in the original planting pattern (item 8 of the Tobacco Appraisal Worksheet) and enter the results in item 28 of the Tobacco Appraisal Worksheet. Then multiply item 28 result by the percent potential (item 29 of the Tobacco Appraisal Worksheet) to obtain the total marketable leaves per acre (item 30 of the Tobacco Appraisal Worksheet). Item (g) does not apply if the Mature Tobacco Leaf Computation was used.
- (h) Divide the total marketable leaves per acre above by the number of leaves per pound for the type of tobacco (refer to chart in item 31 Appraisal Worksheet instructions) to obtain the pounds of potential per acre. Item (h) does not apply if the Mature Tobacco Leaf Computation was used.

Example:

70 (Number of marketable leaves on 10 plants)
 X .5 (Leaf factor)
 + 60 (Leaves to emerge on 10 plants)
 = 95.0 (Total marketable leaves on 10 plants)
 ÷ 10 plants
 = 9.5 (Average number of marketable leaves per plant)
 X 6,534 (Number of plants per acre in original planting pattern)
 X .750 (% Potential)
 = 46,555 (Total marketable leaves per acre)
 ÷ 35 (Leaves per pound) for type 23
 = 1,330 (Pounds of potential per acre)

C. Machine Harvesting Method

(1) Percent of Stand Procedure

- (a) Follow the hand harvesting instructions in subparagraph 35B(1), Selecting Representative Samples and (2), Stand Reduction Procedure.
- (b) Count the number of plants remaining in the portion of row determined in subparagraph 35B(1)(c). Determine the average number of plants. The average of all samples is the percent stand for the field.

(2) Leaf Count Procedure

Use the hand harvesting instructions for appraisals in subparagraph 34B(4).

C. Machine Harvesting Method (continued)

(3) Machine Harvested Plants

- (a) Multiply the percent of stand by the number of plants per acre in the original stand. This is the remaining number of plants per acre.
- (b) Multiply the remaining number of plants per acre by 0.01 (1% of plants in sample). Count this number of plants in each sample row.

The adjuster may examine the plants in the marked row portion and visually determine those that will withstand machine harvesting. If the insured agrees with this visual determination, continue with (d) below and do not run the machine.

- (c) Make as many test runs with the machine as needed on each sampled row to secure an accurate appraisal.
- (d) After the test runs, count the number of plants per sample and divide by the number of samples to obtain the average number of plants per sample which can be machine harvested.
- (e) Divide the average number of plants which can be machine harvested by the number of plants in the sample before the test runs.

Example:

Row width = 42 inches

Plant spacing = 24 inches

Plants per acre = 6,223 (from exhibit 6)

Row length for 100 plants = 200.0 feet (from exhibit 6)

Percent of stand = 95%

Plants remaining per acre = 5,912 plants per acre (6,223 x .95)

Machine sample row = 59 plants (5,912 x .01)

Plants in sample that can be machine harvested = 14

Percent of plants that can be machine harvested = 24% (14 ÷ 59 = .237, rounded to .24)

Plants per acre that can be machine harvested = 1,419 (5,912 x .24)

1,419 is entered in item 28 of the Tobacco Appraisal Worksheet.

- (f) Determine the normal leaves per acre by multiplying the number of harvestable plants per acre times the average number of normal leaves per plant. Divide the normal leaves per acre by the number of leaves per pound for the per acre appraisal.

D. Cured Tobacco Hanging or Stored In the Barn Method

Except where labeled or otherwise specified, all items in section D apply to all tobacco types.

(1) General Information

(a) This appraisal method is used when curing (cured) tobacco in the barn is damaged due to an insured COL and the tobacco is not marketable or the tobacco remains unsold.

(b) Quality Adjustment

(i) **For Burley and Flue Cured tobacco types.** Quality is only applicable for production that is delivered and graded at an AMS grading station. Therefore, for Burley or Flue Cured tobacco types not delivered and graded at an AMS grading station only the number of pounds of PTC will be determined using the following method. The only exception to this would be as stated in item 13 below.

(ii) **For tobacco types other than Burley and Flue Cured.** QA cannot apply if a record of the value and/or quality of the production cannot be obtained. Refer to subparagraph 17(5) and (6) for additional information.

(c) Record all appraisal determinations and calculations of the appraised production in the barn and other pertinent information on a Special Report. Attach any appropriate records or documents to the Special Report. Retain all of this information in the insured's file folder.

(d) Make the appraisal determinations as stated in items (2)-(9) or if applicable, item (11)(a) below.

(2) Remove and appraise sticks, racks, boxes or other containers used for curing of representative tobacco selected randomly throughout the barn. Appraise at least the greater of 15 sticks per determined acre, or 1 percent of the total number of sticks in the barn or 10% of racks or boxes or other containers. Record the number of sticks racks, boxes or other containers appraised.

(3) Strip Tobacco leaves and divide into piles according to varying leaf size, appearance (possible differences in grade).

(4) Identify and weigh each group (varying leaf size, appearance, possible grade difference) to the nearest tenth of pound and record the weights and identification of each group. Then weigh the entire stripped production collectively to determine the accuracy of individual weights of each group identified. The collective weight should equal the sum of individually identified groups. Maintain separation of pile by binding with string.

D. Cured Tobacco Hanging or Stored in the Barn Method (continued)

- (5) Divide the total weight of each identified pile (by varying leaf size, appearance, possible grade difference) by the total weight to determine the percentage of leaf (by weight) produced for each group identified. Record the percentages to the nearest 1/10 of 1 percent. Weigh the content of each rack, box, or other container to establish the weight per box, rack, or container.
- (6) Divide the total weight of the (as determined in item (5) above) production by the number of sticks, racks, boxes, or containers recorded in item (2) above and round to the nearest thousandth of a pound, to determine the average weight per stick, rack, box or other container in the barn(s) and record the results.
- (7) Determine the number of sticks, racks, boxes, or other containers in the barn by counting the number of rails in the barn and multiplying by the average number of sticks per rack, box, or other containers and record.
- (8) Multiply the average weight of stripped production per stick, rack, box, or other container determined in item (6) above, by the total number of sticks, racks, boxes, or other containers in the barn (item (7) above) to obtain the gross production.
- (9) Multiply the gross production by the percentage (nearest tenth percent) of each pile to determine pounds of each and record. This will serve as the policy-required record for pounds for QA purposes.
- (10) Quality for only tobacco types other than Burley and Flue Cured.

If there is no quality record from a potential buyer, a quality record must be obtained from AMS. If samples are to be submitted to AMS, obtain and submit representative samples to AMS as specified in subparagraph 17(5)(d). Only the adjuster can obtain and submit samples to AMS; the insured is not allowed to do this. If the tobacco is baled, refer to item (11) below for instructions on obtaining samples to submit to AMS. The AMS Inspection and Classification Certificate (refer to exhibit 9) will serve as the policy-required record showing the quality of the tobacco and a copy must be retained in the insured's file folder.

- (11) If the tobacco is baled:
 - (a) Gross weight. Determine the gross weight of the production by weighing 10% of the bales selected by the adjuster (the insured cannot select the bales to be weighed), averaging the weight of these bales, and then multiplying the average weight by the number of bales. If the bales were rejected by a buyer and the insured has records from the potential buyer showing the weights of the rejected bales, use those weights.

D. Cured Tobacco Hanging or Stored in the Barn Method (continued)

- (b) Quality. Not applicable to Burley and Flue-cured Types. For Burley and Flue-cured types, refer to item (1)(b) above and item (13) below.
 - (i) If the bales were rejected and the insured does not have records from the buyer who rejected the tobacco showing the quality of the tobacco, AMS should grade these bales at the barn and/or farm storage.
 - (ii) If AMS does not grade the tobacco at the barn and/or farm storage, the adjuster can obtain and submit representative samples to AMS for grading (the insured is not allowed to obtain and submit samples for grade determinations).
 - (iii) Adjuster-obtained sample instructions.

The adjuster will select representative samples to be submitted for AMS grading as instructed in A or B below:

- (A) Collect samples from 10% of every 50 bales of like quality by obtaining a sample from the bale. If the insured is willing to break the straps on a bale to obtain the sample, then take sample from this. If the insured is not willing to break the straps, the sample can be obtained from the bale by using a knife to obtain a plug approximately 4-6" long or by using a cordless drill with a metal hole saw drill bit attachment to obtain a plug of tobacco from each bale that comprise the one pound sample from 10% of every 50 bales, or if the bale is loose, pull some of the tobacco from the bale. Follow the requirements for shipping samples to AMS found in subparagraph 17(4)(e); or
- (B) Select 10% of every 50 bales of like quality to deliver to a facility where an approved AMS grader is grading tobacco. The adjuster must document the identifying tag number of every bale selected and place this information in the insured's file folder.

(12) Determining Value and Average Value of Harvested Tobacco for the Unit

- (a) Value of Tobacco. Refer to subparagraph 17(5)(c) for determining values of the harvested production when some harvested production has been sold and when none of the production has been sold. Records from the sold production of the same quality or written offers as stated in subparagraph 17(5)(c) will serve as the policy-required record for price for QA purposes.
- (b) Average Value per Pound of Harvested Tobacco for the Unit. Add the gross pounds of the appraised cured harvested production left in the barn and the gross pounds of any farm-stored production to the gross pounds of any sold production for the unit.

D. Cured Tobacco Hanging or Stored in the Barn Method (continued)

Divide the sum of all harvested production values by the gross poundage to determine average value per pound (do not include zero value production that has been destroyed in this calculation).

- (c) If the average value per pound (due to an unavoidable insured COL) is less than 75 percent of the insured price election, the production is eligible for QA, provided all other quality provision requirements have been met.

(13) ZMV Production Determined in the Barn

When due to insurable causes, production is determined to be ZMV, the claim cannot be processed until it is destroyed in accordance with the LAM procedure regarding destruction of ZMV production. LAM procedure for use of a certification form is not applicable to Burley and Flue-Cured tobacco (refer to subparagraph 16(1)(f)). If the insured refuses to destroy such production, it will be included as PTC.

- (a) For Burley and Flue-Cured types of tobacco. Also, refer to item (1)(b) above.
 - (i) If due to insurable causes, the tobacco is damaged to the extent it cannot be baled or otherwise prepared for sale, such production will be considered to have ZMV.
 - (A) The gross production of appraised ZMV production in the barn that has been destroyed will be entered with a QAF of .000 in “Section II, C – Adjustments to Harvested Production” of the PW.
 - (B) ZMV-determined production must be documented in writing and pictorially, as specified in the LAM.
 - (C) All documentation must be retained in the insured’s file folder. In this case, ONLY, the adjuster’s documentation will serve as the policy-required record showing ZMV.
 - (ii) When it is questionable whether the tobacco is damaged to the extent that it cannot be baled or otherwise prepared for sale, the tobacco must be delivered and graded by an AMS grader at a location designated for AMS grading or it will be counted as PTC and no quality will apply.
- (b) For all types of tobacco other than Burley and Flue Cured
 - (i) If due to insurable causes, the tobacco is damaged to the extent it cannot be baled or otherwise prepared for sale, such production will be considered to have ZMV.

D. Cured Tobacco Hanging or Stored in the Barn Method (continued)

- (ii) When only a portion of tobacco in the barn has a value, a sample of this tobacco must be submitted to AMS to determine the extent of damage as outlined in (a) above.
- (iii) When it is questionable whether the tobacco is damaged to the extent that it has ZMV, submit a representative sample(s) of the tobacco to AMS.
- (iii) Any tobacco determined to be ZMV:
 - (A) The gross production of appraised ZMV production in the barn that has been destroyed will be entered with zero value in Column “64a” of “Section II C – Adjustments to Harvested Production” of the PW, and the entry in Column “64b” will be the insured’s price election. Even if the production that has an average value equal or greater than 75% of the insured’s price election is not adjusted, the production that has zero value that has been destroyed will be adjusted to zero.
 - (B) ZMV-determined production must be documented in writing and pictorially, as specified in the LAM.
 - (C) All documentation must be retained in the insured’s file folder. In this case, only, the adjuster’s documentation will serve as the policy-required record showing the quality of the tobacco for QA purposes.

E. Appraised Fire Damaged Mature Tobacco at the Curing Barn or Farm Storage

- (1) Determine the pounds of production destroyed in the fire. This can be done based on average weights of the production in the RSCs and/or from the average weights of other representative sticks, racks, boxes, or other containers of undamaged tobacco in the barn or farm storage, and from the number of sticks of tobacco destroyed or damaged in the barn. The total sticks, racks, boxes or other containers of tobacco in the barn or farm storage can be established from the records the insured has, based on labor records, etc.
- (2) If the number of harvested pounds of tobacco before the fire cannot be established through appraisals in the barn or farm storage and the insured’s records of the number of sticks hung, racks, boxes, or other containers in the barn, or from appraisals of the RSCs; then the claim must be denied.
- (3) When production has been damaged by fire and the insured has a private fire insurance policy for the tobacco and fire coverage has not been excluded from the Federal crop insurance tobacco policy, refer to the LAM for instructions.

35 Appraisals Methods (Continued)

E. Appraised Fire Damaged Mature Tobacco at the Curing Barn or Farm Storage (continued)

- (4) Retain all documentation of the appraisal, Special Report, and any pertinent records in the insured's file folder.

36 Deviations and Modifications

- (1) Deviations in appraisal methods require FCIC written authorization (as described in the LAM) prior to implementation.
- (2) There are no pre-established modifications contained in this handbook. Refer to the LAM for additional information.

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 AIP's 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 are required for each unit appraised and for each field or subfield which has a differing base (APH) yield or farming practice (applicable to preliminary and final claims). Refer to exhibit 5 for sampling requirements.
- (4) Standard appraisal worksheet items are numbered consecutively in exhibit 3. An example appraisal worksheet is also provided to illustrate how to complete entries.
- (5) For all zero appraisals, refer to the LAM.

38-50 (Reserved)

PART 6 - 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 COLs, 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, or other reasons described in the LAM). The procedure for producer self-certification of destroyed production in the LAM are not applicable and the Certification Form will not be an acceptable form of documentation of destruction.
 - (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 “**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)

Acronyms and Abbreviations

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

Approved Acronym/Abbreviation	Term
AIP	Approved Insurance Provider
AMS	Agricultural Marketing Service
APH	Actual Production History
BP	Basic Provisions
CAT	Catastrophic Risk Protection
CIH	Crop Insurance Handbook
CP	Crop Provisions
COL	Cause of Loss
DF	Discount Factor
DSSH	Document and Supplemental Standards Handbook
FCIC	Federal Crop Insurance Corporation
FN	FSA Farm Number
GSH	General Standards Handbook
LAM	Loss Adjustment Manual
NOL	Notice of Loss
PPSH	Prevented Planting Standards Handbook
PTC	Production to Count
PW	Production Worksheet
QA	Quality Adjustment
QAF	Quality Adjustment Factor
RMA	Risk Management Agency
RSC	Representative Sample Crop
SP	Special Provisions
SRA	Standard Reinsurance Agreement
TAGS	Tobacco Administration Grading Service
UUF	Uninsured Unavoidable Fire
WA	Written Agreement
ZMV	Zero Market Value

Definitions

Average value for appraised production means the value of such production divided by the appraised pounds for the tobacco types.

Average value for harvested production means the value of such production divided by the harvested pounds for the tobacco type. Refer to paragraph 17 for clarification of the average value of appraised production.

County means any county, parish, or other political subdivision of a state shown on an accepted application, including acreage of a field that extends into an adjoining county if the county boundary is not readily discernible.

Disposed of means transfer of title of the tobacco by sale or transfer by any other means, or destruction of the harvested production.

Harvest means cutting or priming and removing all insured tobacco from the unit.

Hydroponic plants means seedlings grown in liquid nutrient solution.

Marketable Leaves means leaves of sufficient size and quality to be marketed. If tobacco is machine harvested, include only marketable leaves from plants that will withstand machine harvesting.

Planted Acreage means in addition to the definition of planted acreage in the BP, land in which tobacco seedling, including hydroponic plants, have been transplanted by hand or machine from the tobacco bed to the field.

Pound means sixteen ounces avoirdupois.

Priming means a method of harvesting tobacco by which one or more leaves are removed from the stalk as they mature.

Stick means a piece of wood that is approximately 1-inch square and 42 inches long used for the purpose of hanging stalks of tobacco in the tobacco barn. One stick will accommodate about 6 stalks of average size tobacco.

Tobacco bed means an area protected from adverse weather in which tobacco seeds are sown and seedlings are grown until transplanted in the tobacco field by hand or machine.

Tobacco types means insurable tobacco as shown on the SP.

Form Standards – Appraisal Worksheet for Stand Reduction

Item Number/Element	Description
1. Company	Name of the AIP, if not preprinted on the worksheet (Company Name).
2. Claim Number	Claim number as assigned by the AIP.
3. Insured's Name	Name of insured that identifies exactly the person (legal entity) to whom the policy is issued.
4. Policy Number	Insured's assigned policy number.
5. FSA Farm Number	FSA Farm Number.
6. Crop Year	Four-digit crop year, as defined in the policy, for which the claim has been filed.
7. Type	Three-digit code number, entered exactly as specified on the actuarial documents for the type grown by the insured; e.g. 011, 014, 023, 035, etc.
8. Total No. Plants Per Acre	The number of plants per acre in the original stand. Complete items 19 (Row Width) and 20 (Spacing). Apply those values to exhibit 6 to determine the number of plants per acre in the original stand and enter in this item.
9. Unit No.	Unit number from the Summary of Coverage after it is verified to be correct.
10. Field No.	Field or subfield identification symbol.
11. No. of Acres	Number of determined acres to hundredths in the field or subfield being appraised.
12. Leaf Stage	Estimate of the number of leaves present per plant at the date of damage.
Part I - Sample Determinations	
13. Percent Plant Loss	Result of subtracting the number of live plants that will produce marketable leaves from 100. When all samples are completed, enter the total for all samples at the bottom of the column. Refer to subparagraph 35B(2).
14. Number Leaves on Ten Stalks	Total number of marketable leaves on 10 consecutive live plants (that will produce marketable leaves) for each sample. Refer to Stand Reduction Method in subparagraph 35B(2) for information on determination of "marketable leaves."
15. Leaf Factor:	<p>Factor, to tenths. For all types, use the Mature Tobacco Leaf Computation instructions found in subparagraph 35B(5) to determine the appropriate leaf factor.</p> <p>Refer to the Remarks section for documentation requirements.</p>

Form Standards – Appraisal Worksheet for Stand Reduction (Continued)

Item Number/Element	Description
16. Number Normal Leaves	Multiply the number of leaves on ten plants (item 14) times the leaf factor (item 15) and round to the nearest tenth.
17. Leaves to Emerge	Total number of leaves which normally would be expected to emerge for harvesting from the same 10 plants.
18. No. of Normal Leaves on Ten Stalks	Sum of number of normal leaves (item 16) and leaves to emerge (item 17). Enter the total for all samples at the bottom of the column.
19. Row Width	Distance between rows (in whole inches) in the original planting pattern. Refer to paragraph 33 for row-width determination information.
20. Spacing	Spacing between plants within each row (in whole inches) in the original planting pattern. Refer to exhibit 6 for instructions.
21. Samples	Number of samples taken in field or subfield.
22. Avg. % Plant Loss	Divide the total of percent plant loss (item 13) by the number of samples (item 21) and round to the nearest tenth.

Form Standards – Appraisal Worksheet for Stand Reduction (Continued)

23. Total No. of Samples Checked	Number shown in item 21.										
24. Avg. Leaves Per Sample	Divide the total number of normal leaves on ten stalks (item 18) by total number of samples checked (item 23) and round to the nearest tenth.										
25. Factor	Constant factor of “10.”										
26. Avg. No. Normal Leaves Per Stalk	Divide average number of leaves per sample (item 24) by the constant factor of “10” (item 25) and round to the nearest tenth.										
Part II - Appraisal Computations											
<i>Make no entry in items 27-32 when the mature tobacco leaf size factor computation is used on burley tobacco (type 31). The mature tobacco leaf size factor is applicable only to burley tobacco.</i>											
Part A											
27. Average No. Normal Leaves Per Stalk	Transfer entry from item 26.										
28. Plants Per Acre	Total number of plants per acre shown in item 8.										
29. % Potential	110.0% or 100.0% minus the average percent plant loss (item 22), divided by 100, and rounded to the nearest tenth. Entry cannot exceed 1.000. Refer to subparagraph 35B(3) for the calculation of percent potential.										
30. Total Number Leaves Per Acre	Multiply the average number of normal leaves per stalk (item 27) times plants per acre (item 28) times percent potential (item 29) and round to the nearest whole number.										
31. Number of Leaves Per Pound	<p>The number of normal leaves per pound.</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Type</u></th> <th style="text-align: right;"><u>Leaves Per Pound</u></th> </tr> </thead> <tbody> <tr> <td>32, 41 and all dark types (21, 22, 23, 35, 36, 37)</td> <td style="text-align: right; vertical-align: bottom;">35</td> </tr> <tr> <td>51 and 52</td> <td style="text-align: right; vertical-align: bottom;">50</td> </tr> <tr> <td>61</td> <td style="text-align: right; vertical-align: bottom;">135</td> </tr> <tr> <td>31, 54, 55 and flue-cured types (11, 12, 13, 14)</td> <td style="text-align: right; vertical-align: bottom;">60</td> </tr> </tbody> </table>	<u>Type</u>	<u>Leaves Per Pound</u>	32, 41 and all dark types (21, 22, 23, 35, 36, 37)	35	51 and 52	50	61	135	31, 54, 55 and flue-cured types (11, 12, 13, 14)	60
<u>Type</u>	<u>Leaves Per Pound</u>										
32, 41 and all dark types (21, 22, 23, 35, 36, 37)	35										
51 and 52	50										
61	135										
31, 54, 55 and flue-cured types (11, 12, 13, 14)	60										
32. Appraisal Per Acre	Divide the total number of leaves per acre (item 30) by number of leaves per pound (item 31) and round to the nearest whole pound.										
Items 33-35 entries are applicable only when the tobacco leaf size factor computation is used on burley tobacco (type 31). The mature tobacco leaf size factor is applicable only to burley tobacco.											

Form Standards – Appraisal Worksheet for Stand Reduction (Continued)

Part B		
33.	% Potential	Percent potential (recorded as a decimal; i.e., 63.5 percent recorded as .635). Refer to instructions in subparagraph 35B(3) and item 29 for determining percent potential and to subparagraph 35B(5) for explanation of Mature Tobacco Leaf Size Factor Computation.
34.	Make no entry. “100” is preprinted on the form. Form entry of one leaf per stalk is equivalent to 100 pounds per acre potential	
35.	Appraisal Per Acre	Result of multiplying the number of normal leaves per stalk (item 27) times percent potential (item 33) times form entry of one leaf per stalk (item 34), rounded to the nearest whole pound.
36.	Remarks	<p>a. Any remarks concerning any unusual circumstances or as required by the insurance provider.</p> <p>b. Leaf Factor:</p> <p>(1) If the leaves are smaller than a normal leaf, document whether an insured or uninsured COL caused the leaves to be undersized.</p> <p>(2) Explain your determination and show the computation calculation of the leaf factor(s) used in item 15 if the entry is different than the factors from the Factor Table on the Appraisal Worksheet or the Factor Table in item 15.</p> <p>(3) If the Mature Tobacco Leaf Computation found in subparagraph 35B(5) was used, show the computation in the Remarks section of the Appraisal Worksheet or on a Special Report. If a Special Report is used, attach it to the Appraisal Worksheet.</p>
The following required entries are not illustrated on the Appraisal Worksheet example below.		
37.	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 Appraisal Worksheet with the insured (or insured’s authorized representative), particularly explaining codes, etc., which may not be readily understood.
38.	Adjuster’s Signature, Code Number, 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 the appraisal in the Remarks/Narrative section of the Appraisal Worksheet (if available); otherwise, document the appraisal date in the Narrative of the PW.
39.	Page Numbers	Page Numbers - (Example: Page 1 of 1, Page 1 of 2, Page 2 of 2, etc.).

Form Standards – Appraisal Worksheet for Stand Reduction (Continued)

For Illustration Purposes Only

APPRAISAL WORKSHEET TOBACCO		1. COMPANY: Any Company				2. CLAIM NUMBER: XXXXXX				
		3. INSURED'S NAME I.M. Insured		4. POLICY NUMBER XXXXXXXX		5. FSA FARM NUMBER 145		6. CROP YEAR YYYY		
		7. TYPE 022	8. TOTAL NO. PLANTS PER ACRE 5,940		9. UNIT NO. 0001-0001BU	10. FIELD NO. B	11. NO. OF ACRES 3.00		12. LEAF STAGE 10	
PART 1 DETERMINATIONS										
SAMPLE NO.	13 PERCENT PLANT LOSS	14 NUMBER LEAVES ON TEN STALKS	15 LEAF FACTOR	16 NUMBER OF NORMAL LEAVES	17 LEAVES TO EMERGE	18 NO. OF NORMAL LEAVES ON TEN STALKS	19. ROW WIDTH 48		20. SPACING 22	
							FACTOR TABLE			
1	48	23	0.5	11.5	38	49.5	1/2			2.0
2	56	32	0.6	19.2	30	49.2	5/8			1.6
3	55	38	0.5	19.0	32	51.0	3/4			1.3
4	62	28	0.5	14.0	20	34.0	7/8			1.1
5							1			1.0
6							1 1/4			.8
7							1 1/2			.7
8							1 3/4			.6
9							2			.5
10							2 1/2			.4
11							3 – 4			.3
12							5			.2
TOTAL	221	4	= 55.3	TOTAL		183.7	4	= 45.9	10	= 4.6
PART II APPRAISAL COMPUTATIONS										
PART A										
27. AVERAGE NO. NORMAL LEAVES PER STALK	28. PLANTS PER ACRE	29. % POTENTIAL	30. TOTAL NUMBER OF LEAVES PER ACRE	31. NUMBER OF LEAVES PER POUND	32. APPRAISAL PER ACRE					
	X 5,940	X .447	= 12,214	÷ 35	= 349					
PART B										
4.6	33. % POTENTIAL	34. POTENTIAL POUNDS PER ACRE OF ONE NORMAL LEAF PER STALK	35. APPRAISAL PER ACRE							
	E.	F.	100	=						
36. REMARKS										

This form example does not illustrate all required entry items (e.g., signature, dates, etc.) Refer to the above Appraisal Worksheet instructions for required statements and signature entries.

Form Standards - Production Worksheet

Verify and/or make the following entries for each PW Item Number/Element. 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.

Item Number/Element	Description																
1. Crop/Code #	<table border="0"> <tr><td>Flue Cured Tobacco</td><td>0229</td></tr> <tr><td>Fire Cured Tobacco</td><td>0230</td></tr> <tr><td>Burley Tobacco</td><td>0231</td></tr> <tr><td>Maryland Tobacco</td><td>0232</td></tr> <tr><td>Dark Air Tobacco</td><td>0233</td></tr> <tr><td>Cigar Filler Tobacco</td><td>0234</td></tr> <tr><td>Cigar Binder Tobacco</td><td>0235</td></tr> <tr><td>Cigar Wrapper Tobacco</td><td>0236</td></tr> </table>	Flue Cured Tobacco	0229	Fire Cured Tobacco	0230	Burley Tobacco	0231	Maryland Tobacco	0232	Dark Air Tobacco	0233	Cigar Filler Tobacco	0234	Cigar Binder Tobacco	0235	Cigar Wrapper Tobacco	0236
Flue Cured Tobacco	0229																
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Maryland Tobacco	0232																
Dark Air Tobacco	0233																
Cigar Filler Tobacco	0234																
Cigar Binder Tobacco	0235																
Cigar Wrapper Tobacco	0236																
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	<p>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.</p> <p>If there is no insurable COL, and a no indemnity due claim will be completed, make no entry.</p>																
5. Cause(s) of Damage	<p>Name of the determined insured cause(s) of damage for this crop as listed in the LAM for the date 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.</p> <p>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).</p>																

Form Standards - Production Worksheet (Continued)

Item Number/Element	Description												
6. Insured Cause %	<p>Preliminary: Make no entry.</p> <p>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%.</p> <p>If there is no insurable COL, and a no indemnity due claim will be completed, make no entry.</p> <p>Example entries for items 4-6 and the Narrative, reflecting entries for multiple dates of damage, the corresponding insured causes of damage and insured cause percents:</p> <table border="1" data-bbox="527 856 1453 1018"> <tr> <td>4. Date(s) of Damage</td> <td>MAY</td> <td>JUN 30</td> <td>AUG</td> </tr> <tr> <td>5. Cause(s) of Damage</td> <td>Excess Moisture</td> <td>Hail</td> <td>Drought</td> </tr> <tr> <td>6. Insured Cause %</td> <td>40</td> <td>20</td> <td>30</td> </tr> </table> <p>Narrative: Additional date of damage – SEP 5; Cause of Damage – Freeze; Insured cause percent - 10%.</p>	4. Date(s) of Damage	MAY	JUN 30	AUG	5. Cause(s) of Damage	Excess Moisture	Hail	Drought	6. Insured Cause %	40	20	30
4. Date(s) of Damage	MAY	JUN 30	AUG										
5. Cause(s) of Damage	Excess Moisture	Hail	Drought										
6. Insured Cause %	40	20	30										
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 whom the policy is issued.												
9. Claim #	Claim number as assigned by the AIP.												
10. Policy #	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	<p>Preliminary: Make no entry.</p> <p>Final: Unit number(s) for all non-loss units for the crop at the time of final inspection. A non-loss unit is any unit for which a PW has not been completed. Additional non-loss units may be entered on a single PW.</p> <p>If more spaces are needed for non-loss units, enter the unit numbers, identified as “Non-Loss Units,” in the Narrative or on an attached Special Report.</p>												
13. Est. Prod. Per Acre	<p>Preliminary: Make no entry.</p> <p>Final: Estimated yield per acre, in whole pounds, of all non-loss units for the crop at the time of final inspection.</p>												

Form Standards - Production Worksheet (Continued)

Item Number/Element	Description
14. Date(s) Notice of Loss	<p>Preliminary:</p> <ul style="list-style-type: none"> 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. <p>Final: 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.</p>
15. Companion Policy(s)	<ul style="list-style-type: none"> 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.” <ul style="list-style-type: 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.

Form Standards - Production Worksheet (Continued)

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) Stages or intended use(s) of acreage;
- (5) Shares (e.g., 50 percent and 75 percent shares on the same unit); or
- (6) Appraisals for damage due to hail or fire if Hail and Fire Exclusion is in effect.

Item Number/Element	Description
16. Field ID	The field or subfield identification symbol from a sketch map or an aerial photo. Refer to the Narrative.
17. 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.
18. Reported 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 hundredths for the field or sub field. If there are no under-reported acres make no entry.
19. Determined Acres	<p>Refer to the LAM for definition of acceptable determined acres used herein. Enter the determined acres to hundredths for the field or subfield for which consent is given for other use and/or:</p> <ul style="list-style-type: none"> 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. e. When the stalks and stubble have been destroyed without consent. <p>Refer to the LAM for procedures regarding when estimated acres are allowed and documentation requirements.</p> <p>Determined acres to hundredths. Acreage breakdowns within a unit or field may be estimated (refer to LAM) if a determination is impractical. Refer to exhibit 7 for Tractor Row Acreage Correction Factors.</p> <p>Account for all acreage in the unit.</p>

Form Standards - Production Worksheet (Continued)

Item Number/Element	Description
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 line entries.
21. Risk	Three-digit code for the correct "Rate" 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. Unrated land is uninsurable without a WA.
22. Type	Three-digit code number, entered exactly as specified on the actuarial documents for the type grown by the insured. If "No Type Specified" is shown in the actuarial documents, enter the appropriate three-digit code number 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 number, 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 number 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 number, 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 number from the actuarial documents (e.g., 997). If a sub-class is not specified on the actuarial documents, make no entry.
25. Intended Use	Three-digit code number, 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 number from the actuarial documents (e.g., 997). If an intended use is not specified on the actuarial documents, make no entry.
26. Irr. Practice	Three-digit code number, 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 number 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 number, entered exactly as specified on the actuarial documents for the cropping practice (or practice) carried out by the insured. If "No Cropping Practice" or "No Practice Specified" is shown in the actuarial documents, enter the appropriate three-digit code number from the actuarial documents (e.g., 997). If a cropping practice is not specified on the actuarial documents, make no entry.

Form Standards - Production Worksheet (Continued)

Item Number/Element	Description														
28. Organic Practice	Three-digit code number, 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 number from the actuarial documents (e.g., 997). If an organic practice is not specified on the actuarial documents, make no entry.														
29. Stage	<p>Preliminary: Make no entry.</p> <p>Final: Stage abbreviation as shown below.</p> <table border="1" data-bbox="526 632 1455 1266"> <thead> <tr> <th data-bbox="526 632 857 667"><u>Stage</u></th> <th data-bbox="857 632 1455 667"><u>Explanation</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="526 667 857 926">“P”.....</td> <td data-bbox="857 667 1455 926">Acreage abandoned without consent, put to other use without consent, damaged solely by uninsured causes, for which the insured failed to provide acceptable production records to the AIP, or when the stalks and stubble have been destroyed without consent.</td> </tr> <tr> <td data-bbox="526 926 857 961">“H”.....</td> <td data-bbox="857 926 1455 961">Harvested.</td> </tr> <tr> <td data-bbox="526 961 857 1039">“UH”.....</td> <td data-bbox="857 961 1455 1039">Unharvested or put to other use with consent.</td> </tr> <tr> <td data-bbox="526 1039 857 1117">“TZ”.....</td> <td data-bbox="857 1039 1455 1117">UUF/Third Party Damage – Zero production on same acreage.</td> </tr> <tr> <td data-bbox="526 1117 857 1194">“TA”.....</td> <td data-bbox="857 1117 1455 1194">UUF/ Third Party Damage – Appraised production on same acreage.</td> </tr> <tr> <td data-bbox="526 1194 857 1266">“TH”.....</td> <td data-bbox="857 1194 1455 1266">UUF/Third Party Damage – Harvested production on same acreage.</td> </tr> </tbody> </table> <p data-bbox="545 1297 1369 1367">Prevented Planting: Refer to the PPSH for proper codes for any eligible prevented planting acreage.</p> <p data-bbox="545 1398 1390 1436">Gleaned Acreage: Refer to the LAM for information on gleaning.</p>	<u>Stage</u>	<u>Explanation</u>	“P”.....	Acreage abandoned without consent, put to other use without consent, damaged solely by uninsured causes, for which the insured failed to provide acceptable production records to the AIP, or when the stalks and stubble have been destroyed without consent.	“H”.....	Harvested.	“UH”.....	Unharvested or put to other use with consent.	“TZ”.....	UUF/Third Party Damage – Zero production on same acreage.	“TA”.....	UUF/ Third Party Damage – Appraised production on same acreage.	“TH”.....	UUF/Third Party Damage – Harvested production on same acreage.
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“TA”.....	UUF/ Third Party Damage – Appraised production on same acreage.														
“TH”.....	UUF/Third Party Damage – Harvested production on same acreage.														
30. Use of Acreage	<p>Use of acreage. Use the following “Intended Use” abbreviations.</p> <table border="1" data-bbox="537 1507 1227 1797"> <thead> <tr> <th data-bbox="537 1507 857 1543"><u>Use</u></th> <th data-bbox="878 1507 1227 1543"><u>Explanation</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="537 1543 857 1612">“To Soybeans”.....</td> <td data-bbox="878 1543 1227 1612">Use made of the acreage</td> </tr> <tr> <td data-bbox="537 1612 857 1648">“WOC”.....</td> <td data-bbox="878 1612 1227 1648">Other use without consent</td> </tr> <tr> <td data-bbox="537 1648 857 1684">“SU”.....</td> <td data-bbox="878 1648 1227 1684">Solely uninsured</td> </tr> <tr> <td data-bbox="537 1684 857 1719">“ABA”.....</td> <td data-bbox="878 1684 1227 1719">Abandoned without consent</td> </tr> <tr> <td data-bbox="537 1719 857 1755">“H”.....</td> <td data-bbox="878 1719 1227 1755">Harvested</td> </tr> <tr> <td data-bbox="537 1755 857 1797">“UH”.....</td> <td data-bbox="878 1755 1227 1797">Unharvested</td> </tr> </tbody> </table> <p data-bbox="521 1833 1446 1934">Verify any “Intended Use” entry. If the final use of the acreage was not as indicated, strike out the original line and initial it. Enter all data on a new line showing the correct “Final Use.”</p>	<u>Use</u>	<u>Explanation</u>	“To Soybeans”.....	Use made of the acreage	“WOC”.....	Other use without consent	“SU”.....	Solely uninsured	“ABA”.....	Abandoned without consent	“H”.....	Harvested	“UH”.....	Unharvested
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Form Standards - Production Worksheet (Continued)

Item Number/Element	Description
30. Use of Acreage (continued)	Prevented Planting: Refer to the PPSH for proper codes for any eligible prevented planting acreage. Gleaned Acreage: Refer to the LAM for information on gleaning.
31. Appraised Potential	Per-acre appraisal, in whole pounds, of potential production for the acreage appraised as shown on the appraisal worksheet. Refer to paragraph 35, "Appraisal Method" for additional instructions. If there is no potential on UH acreage, enter "0." Refer to the LAM for procedures for documenting zero yield appraisals.
32a. Moisture %	Make no entry
32b. Factor	Make no entry.
33. Shell %, Factor, or Value	Make no entry.
34. Production Pre QA	Result of multiplying column 31 times column 19, rounded to whole pounds. If no entry in column 31, make no entry.
35. Quality Factor	Make no entry. Tobacco cannot be quality adjusted until it has been harvested, cured, and graded to determine quality.
36. Production Post QA	Transfer the entry in item 34.
37. Uninsured Cause	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. (3) For acreage that is damaged partly by uninsured causes, enter the result of multiplying the appraised uninsured loss of production per acre, by Column 19 entry, rounded to whole pounds, for any such acreage.

Form Standards - Production Worksheet (Continued)

Item Number/Element	Description			
37. Uninsured Causes (continued)	<p>b. When there is late-planted acreage, the applicable per-acre production guarantee for such acreage is the production guarantee per acre that has been reduced for late-planted acreage, multiplied by Column 19 entry.</p> <p>c. Refer to the LAM when a Hail and Fire Exclusion is in effect and damage is from hail or fire.</p> <p>d. Enter the result of adding uninsured cause appraisals to Hail and Fire Exclusion appraisals.</p> <p>e. Chemical residue in tobacco that exceeds FDA established limits will be considered an “uninsured cause.”</p> <p>f. For fire losses, if the insured also has other fire insurance (double coverage), refer to the LAM.</p>			
38. Total to Count	Result of adding item 36 and item 37.			
39. Total	<p>Preliminary: Make no entry.</p> <p>Final: Total determined acres (Column 19), to hundredths.</p>			
40. Quality	<p>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).</p> <table border="1" data-bbox="511 1144 1453 1255"> <tr> <td>Qualifying QA Condition:</td> </tr> <tr> <td>Other</td> </tr> <tr> <td>None</td> </tr> </table> <p>a. If “Other” is checked, document in the Narrative (or on a Special Report) the cause of the QA condition applicable to the unit’s production and the result the QA condition has on the tobacco (e.g., Extreme drought during period the tobacco was maturing caused the tobacco to cure out green.)</p> <p>b. Check “None” if QA does not apply to the unit’s production.</p>	Qualifying QA Condition:	Other	None
Qualifying QA Condition:				
Other				
None				
41. Mycotoxins exceed FDA, State, or other health organization maximum limits. Check “Yes:”	Make no entry.			
42. Totals	Total of entries in columns 34, 36, 37 and 38, to whole pounds. If a column has no entries, make no entry.			

Form Standards - Production Worksheet (Continued)

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 required, 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.
g.	Explain any errors found on the Summary of Coverage.
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 production not included in Section II, column 56 or column 49 - 52 entries (e.g., harvested 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.	For production that qualifies for QA (supporting documentation should be included in the insured’s claim file): <ul style="list-style-type: none"> (1) Explain any “.000” QAF entered in 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) For all types other than Burley or Flue Cured, document the insured’s price election and the average value for the tobacco when it is less than 75 percent of the insured’s price election that is used to determine the QAF for mature harvested production. (4) Document all calculations used in determining QAFs. <p>Refer to the LAM for additional documentation requirements.</p>
l.	Attach a sketch map or aerial photo to identify the total unit: <ul style="list-style-type: none"> (1) If consent is or has been given to put part of the unit to another use; (2) If uninsured causes are present; or (3) For unusual or controversial cases. <p>Indicate on the aerial photo or sketch map, the disposition of acreage destroyed or put to other use with or without consent.</p>

Form Standards - Production Worksheet (Continued)

m.	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.
n.	When any other adjuster or supervisor accompanied the adjuster on the inspection, enter the code number of the other adjuster or supervisor and date of inspection.
o.	Explain the reason for a “No Indemnity Due” claim. “No Indemnity Due” claims are to be distributed in accordance with the AIP’s instructions.
p.	Explain any delayed notices or delayed claims as instructed in the LAM.
q.	Document any authorized estimated acres, as instructed in the LAM, shown in Section I, column 19.
r.	Document the method and calculation used to determine acres for the unit. Refer to the LAM.
s.	Specify the type of insects or disease when the insured cause of damage or loss is listed as insects or disease. List the control measures used and explain why they did not work.
t.	Identify any tobacco which has no market value and is destroyed. Explain the reason for no market value and the method of destruction. Also, refer to the LAM for additional documentation requirements.
u.	Document the name and address of the charitable organization when gleaned acreage is applicable. Refer to the LAM for more information on gleaning.
v.	Document any other pertinent information, including any data to support any factors used to calculate the production.

Section II – Determined Harvested Production

General Information:

- (1) Account for all harvested production (for all entities sharing in the crop). Inspect all barns to account for all harvested production when using the Cured Tobacco Hanging in the Barn appraisal method.
- (2) If additional lines are necessary, the data may be entered on a continuation sheet. Use separate lines for:
 - (a) Different first handlers (buyers or warehouses). The insured must have maintained satisfactory records of all production sold. Verify any warehouse or buyer records.
 - (b) Varying shares; e.g., 50 percent and 75 percent shares on the same unit.
 - (c) Production having zero value that has been destroyed (including production destroyed by fire after harvest).
 - (d) Production not sold.

Form Standards - Production Worksheet (Continued)

Item Number/Element	Description
43. Date Harvest Completed: (Used to determine if there is a delayed notice or a delayed claim. Refer to the LAM.)	<p>Preliminary: Make no entry.</p> <p>Final:</p> <p>a. Enter the earlier of the date that one of the following events occurred:</p> <p>(1) Total destruction of the tobacco on the unit;</p> <p>(2) Removal of the tobacco from the field where grown except for curing, grading, packing, or immediate delivery to the tobacco warehouse; or</p> <p>(3) The calendar date for the end of the insurance period for the type.</p> <p>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."</p> <p>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."</p> <p>d. If the case involves a Certification Form, enter the date from the Certification form when the entire unit was put to another use, etc. Refer to the LAM.</p>
44. Damage similar to other farms in the area?	<p>Preliminary: Make no entry.</p> <p>Final: 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.</p>
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	<p>a. If only one practice and/or type of harvested production is listed in Section I, make no entry.</p> <p>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).</p>

Form Standards - Production Worksheet (Continued)

Item Number/Element	Description
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.- Strike through titles 52. and enter "Disposition"	<p>Enter the disposition of the tobacco as follows:</p> <p>Preliminary: "Destroyed by fire" for any tobacco burned in the curing barn or pack barn; otherwise, make no entry.</p> <p>Final:</p> <ul style="list-style-type: none"> a. Name of auction warehouse for production sold through auction warehouse. b. Name of buyer for production sold to other than auction warehouse. c. "Not sold." Document, in the Narrative, the location of any production which is not sold. d. "Destroyed by fire" for any tobacco burned in the curing barn or pack barn (refer to the LAM). e. "ZMV Tobacco Destroyed" when the adjuster has physically witnessed satisfactory destruction of tobacco that has ZMV due to insured causes. f. "ZMV Tob. Not Destroyed" for any tobacco that has ZMV and that has not been destroyed.
53. Net Cubic Feet	Make no entry.
54. Conversion Factor	Make no entry.
55. Gross Prod.	<p>Account for all harvested production, in whole pounds, for the disposition shown in items 49-52 including harvested production that is appraised in the barn. Explain in the Narrative how "Not Sold" production was determined.</p> <ul style="list-style-type: none"> a. Determining PTC for tobacco that has no market value: <p>Any tobacco that has ZMV due to damage by insured causes must be destroyed and will not be considered PTC. However, if the insured refuses to destroy the tobacco, include such tobacco as PTC and value at the insured's price election. Refer to subparagraph 17(8) and 64a below for further instructions and information.</p> b. For harvested fire damaged production, refer to subparagraph 35E and 64a below.

Form Standards - Production Worksheet (Continued)

Item Number/Element	Description
56. Bu., Ton, Lbs., Cwt.	Circle "Lbs." in column heading. Enter the gross production from Column 55 in whole pounds.
57.- 60B.	Make no entry.
61. Adjusted Production	Transfer the entry from column 56 in whole pounds
62. Prod. Not to Count	<p>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 production guarantee per acre, from other sources (e.g., uninsured acreage), or where stalks were destroyed without consent and there is also harvested production from the same acreage on which stalks were destroyed without consent.</p> <p>This entry must never exceed production shown on the same line. Explain any production not to count in the Narrative.</p>
63. Production Pre-QA	Result of subtracting column 62 from column 61. If no entry in column 62, transfer entry from column 61.
64a. Value	<p>Preliminary: For All Types of Tobacco: Make no entry.</p> <p>Final:</p> <p>a. For Burley and Flue Cured Tobacco Types: Make no entry.</p> <p>b. For All Tobacco Types Other Than Burley and Flue Cured:</p> <p>Average value per pound to the nearest cent.</p> <p>(1) Determine the average value per pound by adding the total value of harvested production including tobacco appraised in the barn (exclude tobacco with ZMV to insured COL that insured has satisfactorily destroyed; refer to (d) below) that:</p> <p>(a) is sold and not sold;</p> <p>(b) has ZMV and that has not been destroyed (or satisfactorily destroyed) and has been valued at the insured's price election;</p> <p>Note: If the value received is unreasonable, determine a reasonable value. Refer to paragraphs 16 and 17 for instructions.</p> <p>(2) Determine the average value per pound by dividing the result of item "a" above, by the total pounds harvested for the unit (exclude pounds of tobacco destroyed by fire or ZMV tobacco that has been satisfactorily destroyed), rounded to the nearest whole cent.</p>

Form Standards - Production Worksheet (Continued)

Item Number/Element	Description
64a. Value (continued)	<p>(3) After the average value per pound has been determined, the value will be the same for each line entry except for tobacco destroyed by fire or ZMV tobacco that has been satisfactorily destroyed, as witnessed by the adjuster. Document the average value calculation in the Narrative.</p> <p>(4) If the average value per pound is equal to or greater than 75 percent of the insured's price election, make no entry.</p> <p>c. ZMV Tobacco (Due to Insured COL) That Has Been Satisfactorily Destroyed:</p> <p>Enter "0.00" to represent ZMV. Refer to paragraphs 16 and 17(8) for additional information. Also, see subparagraph 35D(13).</p> <p>Explain in the Narrative the basis for value of production "Not Sold" or basis of determination for production having no market value; (i.e., ZMV).</p> <p>d. For All Tobacco Types. Refer to the LAM for instructions for determining total value, before and after the fire, when there is double fire coverage; i.e., fire coverage under the FCIC Tobacco crop insurance program and fire coverage under a private fire insurance policy.</p>
64b. MKT Price	<p>a. For Burley and Flue Cured Tobacco Types: Make no entry.</p> <p>b. For All Tobacco Types Other Than Burley and Flue Cured: Strike through the title and enter "Price Election." Enter the insured's price election for the type of tobacco.</p>
65. Quality Factor	<p>The insured must give the AIP the opportunity to inspect any production prior to the insured disposing of it. If the insured failed to notify and provide the AIP the opportunity to inspect such tobacco, document on a Special Report that the insured had sold, contracted, or otherwise disposed of the tobacco prior to inspection. Such production cannot be quality adjusted. Refer to paragraph 17 for further information.</p> <p>a. For All Tobacco Types Other Than Burley and Flue Cured: Enter the 3-digit QAF determined by dividing 64a by 64b.</p> <p>b. For Burley and Flue Cured Tobacco:</p> <p>1.000 minus the applicable DF for the AMS assigned grade obtained from the SP or calculated from the price sold. See paragraph 16(2)(e).</p>

Form Standards - Production Worksheet (Continued)

Item Number/Element	Description
65. Quality Factor (continued)	No QA will be made on any production which has been assigned a grade that does not appear on the DF Chart in the SP. Refer to subparagraph 35D(13) for ZMV tobacco in the barn.
66. Production to Count	<p>a. If QA does not apply, transfer entry from column 63.</p> <p>b. If QA does apply, multiply column 63 by column 65, rounding to the nearest whole pound.</p>
67. Total of Column 63	Total of column 63. If no entry in column 63, make no entry.
For items 68 – 72. When separate line entries are made for varying share, stages, APH yields, projected price or harvest price, types, etc., within the unit, and totals need to be kept separate for calculating indemnities, make no entry and follow the AIP’s instructions; otherwise, make the following entries.	
68. Section II Total:	<p>Preliminary: Make no entry.</p> <p>Final: Total of column 66.</p>
69. Section I Total	<p>Preliminary: Make no entry.</p> <p>Final: Enter figure from Section I, column 38 total.</p>
70. Unit Total	<p>Preliminary: Make no entry.</p> <p>Final: Total of Column 68 and 69.</p>
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 Column 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.
73. Insured’s Signature and Date	<p>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.</p> <p>Final indemnity inspections should be signed on bottom line.</p>

Form Standards - Production Worksheet (Continued)

Item Number/Element	Description
74. Adjuster's Signature, Code #, and Date	<p>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.</p> <p>Final indemnity inspections should be signed on bottom line.</p>
75. Page	<p>Preliminary: Page numbers – "1," "2," etc., at the time of inspection.</p> <p>Final: Page numbers - (Example: Page 1 of 1, Page 1 of 2, Page 2 of 2, etc.).</p>

Form Standards – Production Worksheet (Continued)

1. Crop/Code # FLUE CURED TOBACCO 0229	2. Unit # 0001-0001 BU	3. Location Description FN 145	7. Company Agency ANY COMPANY ANY AGENCY	8. Name of Insured I.M. INSURED
4. Date(s) of Damage JUN JUL 10	5. Cause(s) of Damage DROUGHT HAIL	6. Insured Cause % 85 15	9. Claim # XXXXXXXX	11. Crop Year YYYY
12. Additional Units 0002-0000BU	13. Est. Prod. Per Acre 1500	10. Policy # XXXXXXXX	14. Date(s) Notice of Loss MM/DD/YYYY	1st MM/DD/YYYY
		2nd MM/DD/YYYY	Final MM/DD/YYYY	15. Companion Policy(s)

SECTION I – DETERMINED ACREAGE APPRAISED, PRODUCTION AND ADJUSTMENTS

A. ACTUARIAL															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	Type	Class	Sub-Class	Intended Use	Irr Practice	Cropping Practice	Organic Practice	Stage	Use of Acreage	Appraised Potential	Moisture % Factor	Shell %, Factor, or Value	Production Pre QA	Quality Factor	Production Post QA	Uninsured Causes	Total to Count	
A	NS		5.00	1.000		022					997		P	PLOWED WOC								10,685	10,685
B	WI		3.00	1.000		022					997		UH	TO SOYBEANS	349			1,047		1,047			1,047
C	NS		20.00	1.000		022					997		H	H									
39. TOTAL			28.00	40. Quality: TW <input type="checkbox"/> KD <input type="checkbox"/> Aflatoxin <input type="checkbox"/> Vomitoxin <input type="checkbox"/> Fumonisin <input type="checkbox"/> Garlicky <input type="checkbox"/> Dark Roast <input type="checkbox"/> Sclerotinia <input type="checkbox"/> Ergoty <input type="checkbox"/> CoFo <input type="checkbox"/> Other <input checked="" type="checkbox"/> None <input type="checkbox"/>												42. TOTALS		1,047		1,047	10,685	11,732	
												41. Mycotoxins exceed FDA, State or other health organization maximum limits. Yes <input type="checkbox"/>											

NARRATIVE (If more space is needed, attach a Special Report) Field A plowed without consent. See attached aerial photos. Acres determined by adjuster with GPS. See special report for stalk inspection. Attached AMS grade certificates for assigned grades.

1st line: AMS grade is B5KL - .400 chart DF. Production sold for \$1.00/lb. Established Price \$1.80. $1.000 - (\$1.00/\$1.80 = .556) = .444$ DF. .400 DF less than .444. $1.000 - .400 = .600$ QAF
 2nd line: AMS grade is C4KF - .200 chart DF. Production sold for \$1.50/lb. Established Price \$1.80. $1.000 - (\$1.50/\$1.80 = .833) = .167$ DF. .167 DF less than .200. $1.000 - .167 = .833$ QAF
 3rd line: 1000 lbs. of tobacco graded NO-6 due to blue mold. Adjuster physically witnessed destruction. QAF = .000

SECTION II – DETERMINED HARVESTED PRODUCTION

43. Date Harvest Completed MM/DD/YYYY						44. Damage similar to other farms in the area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					45. Assignment of Indemnity Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					46. Transfer of Right to Indemnity? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					
A. MEASUREMENTS						B. GROSS PRODUCTION					C. ADJUSTMENTS TO HARVESTED PRODUCTION										
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 Field ID	Multi-Crop Code	Length or Diameter	Width	Depth	Deduction	Net Cubic Feet	Conversion Factor	Gross Prod.	Bu Ton (Lbs.) CWT	Shell/Sugar Factor	FM% Factor	Moisture % Factor	Test WT Factor	Adjusted Production	Prod. Not to Count	Production Pre-QA	Value Mkt. Price	Quality Factor	Production to Count		
	NS	TRI-COUNTY TOBACCO CO.							15,000						15,000		15,000		.600	9,000	
	NS	TRI-COUNTY TOBACCO CO.							16,000						16,000		16,000		.833	13,328	
	NS	ZMV TOBACCO - DESTROYED							1,000						1,000		1,000		.000	0.00	
67. TOTAL																	32,000	68. Section II Total		22,328	
																	69. Section I Total		11,732		
																	70. Unit Total		34,060		
																	71. Allocated Prod.				
																	72. Total APH Prod.		23,375		

This form example does not illustrate all required entry items (e.g., signatures, dates, etc.).

Form Standards – Production Worksheet (Continued)

1. Crop/Code # Fire- CURETOBACCO 0230	2. Unit # 0001-0001 BU	3. Location Description FN 145	7. Company Agency ANY COMPANY ANY AGENCY	8. Name of Insured I. M. INSURED
4. Date(s) of Damage JUN	5. Cause(s) of Damage DROUGHT	6. Insured Cause % 85	9. Claim # XXXXXXXXX	11. Crop Year YYYY
12. Additional Units 0002-0000BU	13. Est. Prod. Per Acre 1500	10. Policy # XXXXXXXXX	14. Date(s) Notice of Loss MM/DD/YYYY	15. Companion Policy(s)

SECTION I – DETERMINED ACREAGE APPRAISED, PRODUCTION AND ADJUSTMENTS

A. ACTUARIAL															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	Type	Class	Sub-Class	Intended Use	Irr Practice	Cropping Practice	Organic Practice	Stage	Use of Acreage	Appraised Potential	Moisture % Factor	Shell %, Factor, or Value	Production Pre QA	Quality Factor	Production Post QA	Uninsured Causes	Total to Count		
A	NS		5.00	1.000		022					997		P	PLOWED WOC								10,685	10,685	
B	WI		3.00	1.000		022					997		UH	TO SOYBEANS	349			1,047			1,047		1,047	
C	NS		20.00	1.000		022					997		H	H										
39. TOTAL			28.00	40. Quality: TW <input type="checkbox"/> KD <input type="checkbox"/> Aflatoxin <input type="checkbox"/> Vomitoxin <input type="checkbox"/> Fumonisin <input type="checkbox"/> Garlicky <input type="checkbox"/> Dark Roast <input type="checkbox"/> Sclerotinia <input type="checkbox"/> Ergoty <input type="checkbox"/> CoFo <input type="checkbox"/> Other <input checked="" type="checkbox"/> None <input type="checkbox"/> 41. Mycotoxins exceed FDA, State or other health organization maximum limits. Yes <input type="checkbox"/>												42. TOTALS		1,047		1,047	10,685	11,732		

NARRATIVE (If more space is needed, attach a Special Report) Field A plowed without consent. See attached aerial photos. Acres determined by adjuster with GPS. 1000 lbs. of tobacco zero value due to blue mold. Adjuster physically witnessed destruction of zero value production. See special report for stalk inspection.

Average value: Average value must be below \$2.06 (\$2.75 x .75) to qualify for QA. 10,000 lbs. sold for \$2.50/lb. 10,000 lbs. sold for \$0.75/lb. The \$0.75/lb. was determined to be unreasonable. A reasonable price of \$1.10 was determined. Total value \$36,000 / 20,000 lbs. sold = \$1.80/lb. Since \$1.80 is less than \$2.06, the production qualifies for QA.

SECTION II – DETERMINED HARVESTED PRODUCTION

43. Date Harvest Completed MM/DD/YYYY						44. Damage similar to other farms in the area? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					45. Assignment of Indemnity Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>					46. Transfer of Right to Indemnity? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>								
A. MEASUREMENTS						B. GROSS PRODUCTION					C. ADJUSTMENTS TO HARVESTED PRODUCTION													
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 Code	Length or Diameter	Width	Depth	Deduction	Net Cubic Feet	Conversion Factor	Gross Prod.	Bu Ton (Lbs.) CWT	Shell/Sugar Factor	FM% Factor	Moisture % Factor	Test WT Factor	Adjusted Production	Prod. Not to Count	Production Pre-QA	Value Mkt. Price	Quality Factor	Production to Count					
	NS	TRI-COUNTY TOBACCO CO.							10,000						10,000		10,000	1.80 2.75	.655	6,550				
	NS	ABC TOBACCO, INT.							10,000						10,000		10,000	1.80 2.75	.655	6,550				
	NS	ZMV TOBACCO - DESTROYED							1,000						1,000		1,000	0.00 2.75	.000	0.00				
67. TOTAL																	21,000	68. Section II Total		13,100				
																		69. Section I Total		11,732				
																		70. Unit Total		24,832				
																		71. Allocated Prod.						
																		72. Total APH Prod.		14,147				

This form example does not illustrate all required entry items (e.g., signatures, dates, etc.).

Minimum Representative Sample Requirements

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

Feet of Row Per 100 Plants and Number of Plants Per Acre

Spacing Between Plants (Inches)	Length of Row Per 100 Plants (Feet)	Plants Per Acre Row Widths (Inches)						
		36"	38"	40"	42"	44"	46"	48"
14"	116.7'	12,445	11,792	11,201	10,667	10,183	9,740	9,334
16"	133.3'	10,890	10,317	9,801	9,334	8,910	8,522	8,167
18"	150.0'	9,680	9,170	8,712	8,297	7,920	7,576	7,260
20"	166.7'	8,712	8,253	7,841	7,467	7,128	6,818	6,534
22"	183.3'	7,920	7,503	7,128	6,789	6,480	6,198	5,940
24"	200.0'	7,260	6,878	6,534	6,223	5,940	5,682	5,445
26"	216.7'	6,701	6,349	6,031	5,744	5,483	5,245	5,026
28"	233.3'	6,223	5,895	5,601	5,334	5,092	4,870	4,667
30"	250.0'	5,808	5,502	5,227	4,978	4,752	4,545	4,356
32"	266.7'	5,445	5,158	4,900	4,667	4,455	4,261	4,084
34"	283.3'	5,125	4,855	4,612	4,393	4,193	4,011	3,844
36"	300.0'	4,840	4,585	4,356	4,149	3,960	3,788	3,630
38"	316.7'	4,585	4,344	4,127	3,930	3,752	3,588	3,439
40"	333.3'	4,356	4,127	3,920	3,734	3,564	3,409	3,267

NOTE: Use dotted line for types 35 & 36; heavy line for all other types.

A. Determining Plants per Acre

To use the above table, read across the appropriate column for distance between rows and down for distance between plants in a row. Where the two readings meet will be the number of plants per acre. If the distances in a particular field are not given in the above table, the number of plants per acre can be determined in the following manner:

Multiply the distance between the two rows in feet by the distance in feet between plants in the row in feet. This gives the square feet of area for each plant. Then, by dividing this figure into 43,560 (square feet area in an acre) the number of plants per acre is determined.

Example: (17-inch plant spacing and 41-inch row width)

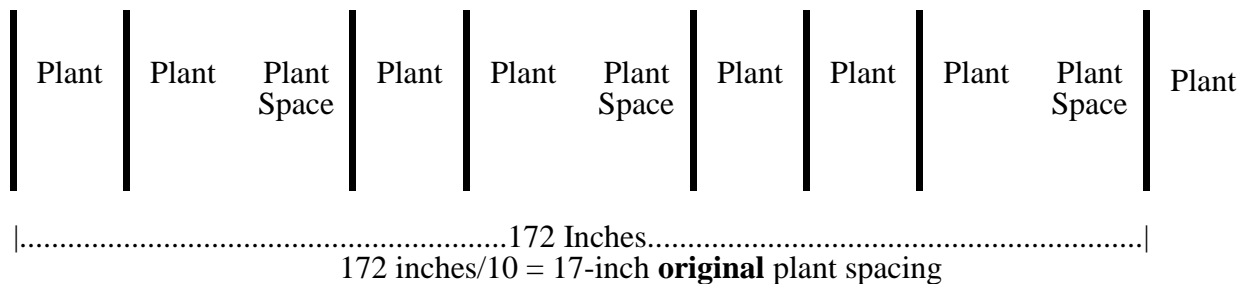
- (1) Divide plant spacing by 12":
 $17'' \text{ plant spacing} \div 12'' = 1.42 \text{ ft. (rounded to hundredths)}$
- (2) Divide row width by 12":
 $41'' \text{ row width} \div 12'' = 3.42 \text{ ft. (rounded to hundredths)}$
- (3) Multiply item (1) by item (2):
 $1.42 \text{ ft.} \times 3.42 \text{ ft.} = 4.86 \text{ sq. ft. (rounded to hundredths)}$
- (4) Divide 43,560 by the result of item (3):
 $43,560 \text{ sq. ft.} \div 4.86 \text{ sq. ft.} = 8,963 \text{ plants per acre (rounded to the nearest whole number)}$

Feet of Row Per 100 Plants and Number of Plants Per Acre (Continued)

B. Determining Row Length per 100 Plants

- (a) Determine the original plant spacing within the row by measuring, to the nearest whole inch, the distance between the first plant in the sample and the 11th plant (include in the count any missing or dead plants). Divide this distance by 10 and record the results in Plant Spacing item 20 of the appraisal worksheet.

Example: Measuring **original** plant spacing with 3 missing plants.



- (b) For even-numbered plant spacing, the required Length of Row per 100 Plants may be read directly from the exhibit 6 above.
- (c) For plant spacing, not shown on the exhibit 6, use the following formula:
 - (i) Original plant spacing within the row (in inches) divided by 12” (rounded to 3-decimal places)
 - (ii) Multiply the result of item 1 above X 100 equals length of row per 100 plants (feet to tenth).

Example: 17-inch plant spacing

$$17'' \text{ plant spacing} \div 12'' = 1.4166 = 1.417 \text{ ft. plant spacing}$$

$$1.417 \text{ ft. plant spacing} \times 100 \text{ plants} = 141.7 \text{ ft. Length of Row per 100 Plants.}$$

Tractor Row Acreage Correction Factors

4 ROW PATTERN -- 5th TRACTOR ROW PERCENTAGE FACTOR FOR TRACTOR ROWS													
42" Row Width		44" Row Width		46" Row Width		48" Row Width		50" Row Width		52" Row Width		54" Row Width	
Tractor Row in Inches	% to Get Net Acres	Tractor Row in Inches	% to Get Net Acres	Tractor Row in Inches	% to Get Net Acres	Tractor Row in Inches	% to Get Net Acres	Tractor Row in Inches	% to Get Net Acres	Tractor Row in Inches	% to Get Net Acres	Tractor Row in Inches	% to Get Net Acres
42	80.00	44	80.00	46	80.00	48	80.00	50	80.00	52	80.00	54	80.00
44	79.25	46	79.28	48	79.31	50	79.34	52	79.37	54	79.39	56	79.41
46	78.50	48	78.57	50	78.63	52	78.69	54	78.74	56	78.79	58	78.83
48	77.78	50	77.88	52	77.97	54	78.05	56	78.12	58	78.20	60	78.26
50	77.06	52	77.19	54	77.31	56	77.42	58	77.52	60	77.61	62	77.70
52	76.36	54	76.52	56	76.67	58	76.80	60	76.92	62	77.04	64	77.14
54	75.68	56	75.86	58	76.03	60	76.19	62	76.34	64	76.47	66	76.60
56	75.00	58	75.21	60	75.14	62	75.59	64	75.76	66	75.91	68	76.06
58	74.34	60	74.58	62	74.80	64	75.00	66	75.19	68	75.36	70	75.52
60	73.68	62	73.95	64	74.19	66	74.42	68	74.63	70	74.82	72	75.00
62	73.04	64	73.33	66	73.60	68	73.85	70	74.07	72	74.29	74	74.48
64	72.41	66	72.73	68	73.02	70	73.28	72	73.53	74	73.76	76	73.97
66	71.79	68	72.13	70	72.44	72	72.73	74	72.99	76	73.24	78	73.47
68	71.19	70	71.54	72	71.87	74	72.18	76	72.46	78	72.73	80	72.97
70	70.59	72	70.97	74	71.32	76	71.64	78	71.94	80	72.22	82	72.48
72	70.00	74	70.40	76	70.77	78	71.11	80	71.43	82	71.72	84	72.00
74	69.42	76	69.84	78	70.23	80	70.59	82	70.92	84	71.23	86	71.52
76	68.85	78	69.29	80	69.70	82	70.07	84	70.42	86	70.75	88	71.05
78	68.29	80	68.75	82	69.17	84	69.57	86	69.93	88	70.27	90	70.59
80	67.74	82	68.22	84	68.66	86	69.06	88	69.44	90	69.80	92	70.13
82	67.20	84	67.69	86	68.15	88	68.57	90	68.97	92	69.33	94	69.68
84	66.67	86	67.18	88	67.65	90	68.09	92	68.49	94	68.87	96	69.23
		88	66.67	90	67.15	92	66.61	94	67.13	96	67.57		
				92	66.67	94	67.13	96	67.57				
						96	66.67						

To get width of Tractor Row, measure distance from top of row to the next top of row and subtract row width. Take measurement of several Tractor Rows to get average width.

Formula: Multiply Row Pattern by Row Width, plus Tractor Row. Divide result into Tractor Row. This gives percentage to take off. Subtract this percent from 100 percent. Result is percentage used to multiply to gross acreage to get acres of tobacco in field.

Example: $4 \times 42" + 42" = 210$, $42 \div 210 = 20.00\%$, $100.00\% - 20.00\% = 80.00\%$ multiplied to gross acres determines net acres of tobacco in field.

Tractor Row Acreage Correction Factors (Continued)

6 ROW PATTERN -- 7th TRACTOR ROW PERCENTAGE FACTOR FOR TRACTOR ROWS													
42" Row Width		44" Row Width		46" Row Width		48" Row Width		50" Row Width		52" Row Width		54" Row Width	
Tractor Row in Inches	% to Get Net Acres	Tractor Row in Inches	% to Get Net Acres	Tractor Row in Inches	% to Get Net Acres	Tractor Row in Inches	% to Get Net Acres	Tractor Row in Inches	% to Get Net Acres	Tractor Row in Inches	% to Get Net Acres	Tractor Row in Inches	% to Get Net Acres
42	85.71	44	85.71	46	85.71	48	85.71	50	85.71	52	85.71	54	85.71
44	85.14	46	85.16	48	85.19	50	85.21	52	85.23	54	85.25	56	85.26
46	84.56	48	84.62	50	84.66	52	84.71	54	84.75	56	84.78	58	84.82
48	84.00	50	84.08	52	84.15	54	84.21	56	84.27	58	84.32	60	84.37
50	83.44	52	83.54	54	83.64	56	83.72	58	83.80	60	83.87	62	83.94
52	82.89	54	83.02	56	83.13	58	83.24	60	83.33	62	83.42	64	83.51
54	82.35	56	82.50	58	82.63	60	82.76	62	82.87	64	82.98	66	83.00
56	81.82	58	81.99	60	82.14	62	82.29	64	82.42	66	82.54	68	82.65
58	81.29	60	81.48	62	81.66	64	81.82	66	81.97	68	82.11	70	82.23
60	80.77	62	80.98	64	81.18	66	81.36	68	81.52	70	81.68	72	81.82
62	80.25	64	80.49	66	80.70	68	80.90	70	81.08	72	81.25	74	81.41
64	79.25	66	80.00	68	80.23	70	80.45	72	80.65	74	80.83	76	81.00
66	79.25	68	79.52	70	79.77	72	80.00	74	80.21	76	80.41	78	80.60
68	78.75	70	79.04	72	79.31	74	79.56	76	79.79	78	80.00	80	80.20
70	78.26	72	78.57	74	78.86	76	79.12	78	79.37	80	79.59	82	79.80
72	77.78	74	78.11	76	78.41	78	78.69	80	78.95	82	79.19	84	79.41
74	77.30	76	77.65	78	77.97	80	78.26	82	78.53	84	78.79	86	79.02
76	76.83	78	77.19	80	77.53	82	77.84	84	78.12	86	78.39	88	78.64
78	76.36	80	76.74	82	77.09	84	77.42	86	77.72	88	78.00	90	78.26
80	75.90	82	76.30	84	76.67	86	77.01	88	77.32	90	77.61	92	77.88
82	75.45	84	75.86	86	76.24	88	76.60	90	76.92	92	77.23	94	77.51
84	75.00	86	75.43	88	75.82	90	76.19	92	76.53	94	76.85	96	77.14
		88	75.00	90	75.41	92	75.79	94	76.14	96	76.47		
				92	75.00	94	75.39	96	75.76				
						96	75.00						

To get width of Tractor Row, measure distance from top of row to the next top of row and subtract row width. Take measurement of several Tractor Rows to get average width.

Formula: Multiply Row Pattern by Row Width, plus Tractor Row. Divide result into Tractor Row. This gives percentage to take off. Subtract this percent from 100 percent. Result is percentage used to multiply to gross acreage to get acres of tobacco in field.

Example: $6 \times 42 + 42 = 294$, $42 \div 294 = 14.29\%$, $100.00\% - 14.29\% = 85.71\%$ multiplied to gross acres determines net acres of tobacco in field.

Tractor Row Acreage Correction Factors (Continued)

8 ROW PATTERN 9th TRACTOR ROW PERCENTAGE FACTOR FOR TRACTOR ROWS													
42" Row Width		44" Row Width		46" Row Width		48" Row Width		50" Row Width		52" Row Width		54" Row Width	
Tractor Row in Inches	% to Get Net Acres	Tractor Row in Inches	% to Get Net Acres	Tractor Row in Inches	% to Get Net Acres	Tractor Row in Inches	% to Get Net Acres	Tractor Row in Inches	% to Get Net Acres	Tractor Row in Inches	% to Get Net Acres	Tractor Row in Inches	% to Get Net Acres
42"	88.89	44	88.89	46	88.89	48	88.89	50	88.89	52	88.89	54	88.89
44"	88.42	46	88.44	48	88.46	50	88.48	52	88.50	54	88.51	56	88.52
46"	87.96	48	88.00	50	88.04	52	88.07	54	88.11	56	88.14	58	88.16
48"	87.50	50	87.56	52	87.62	54	87.67	56	87.72	58	87.76	60	87.80
50"	87.05	52	87.13	54	87.20	56	87.27	58	87.34	60	87.39	62	87.45
52"	86.60	54	86.70	56	86.79	58	86.88	60	86.96	62	87.03	64	87.00
54"	86.16	56	86.27	58	86.38	60	86.49	62	86.58	64	86.67	66	86.75
56"	85.71	58	85.85	60	85.98	62	86.10	64	86.21	66	86.31	68	86.40
58"	85.28	60	85.44	62	85.58	64	85.71	66	85.84	68	85.95	70	86.06
60"	84.85	62	85.02	64	85.19	66	85.33	68	85.47	70	85.60	72	85.71
62"	84.42	64	84.62	66	84.79	68	84.96	70	85.11	72	85.25	74	85.38
64"	84.00	66	84.21	68	84.40	70	84.58	72	84.75	74	84.90	76	85.04
66"	83.58	68	83.81	70	84.02	72	84.21	74	84.39	76	84.55	78	84.71
68"	83.17	70	83.41	72	83.64	74	83.84	76	84.03	78	84.21	80	84.37
70"	82.76	72	83.02	74	83.26	76	83.48	78	83.68	80	83.87	82	84.05
72"	82.35	74	82.63	76	82.88	78	83.12	80	83.33	82	83.53	84	83.72
74"	81.95	76	82.24	78	82.51	80	82.76	82	82.99	84	83.20	86	83.40
76"	81.55	78	81.85	80	82.14	82	82.40	84	82.64	86	82.87	88	83.08
78"	81.16	80	81.48	82	81.78	84	82.05	86	82.30	88	82.54	90	82.76
80"	80.77	82	81.11	84	81.42	86	81.70	88	81.97	90	82.21	92	82.44
82"	80.38	84	80.73	86	81.06	88	81.36	90	81.63	92	81.89	94	82.13
84"	80.00	86	80.37	88	80.70	90	81.01	92	81.30	94	81.57	96	81.82
		88	80.00	90	80.35	92	80.67	94	80.97	96	81.25		
				92	80.00	94	80.33	96	80.65				
						96	80.00						

To get width of Tractor Row, measure distance from top of row to the next top of row and subtract row width. Take measurement of several Tractor Rows to get average width.

Formula: Multiply Row Pattern by Row Width, plus Tractor Row. Divide result into Tractor Row. This gives percentage to take off. Subtract this percent from 100 percent. Result is percentage used to multiply to gross acreage to get acres of tobacco in field.

Example: $8 \times 42 + 42 = 378$, $42 \div 378 = 11.11\%$, $100.00\% - 11.11\% = 88.89\%$ multiplied to gross acres determines net acres of tobacco in field.

Request for Grading Services



United States
Department of
Agriculture

Agricultural
Marketing
Services

Cotton & Tobacco Programs
1306 Annapolis
Raleigh, N.C. 27608

Date: MM/DD/YY

Subject: Request for Grading Services

I request that the accompanying tobacco sample be graded for quality purposes.

Company - Policy Number _____

Bundles: _____

Farm Number: _____

Please send results to:

Name: _____

Address: _____

City, State, Zip: _____

Telephone: _____

Attached is payment of \$47.40 per sample.

Make check payable to:

USDA, AMS, Cotton and Tobacco Programs
1306 Annapolis Drive
Raleigh, NC 27608

If you have any questions about completing the form, contact AMS directly at telephone: 919-856-4552.

Inspection and Classification Certificate

TB-85 (10-02)	UNITED STATES DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE TOBACCO PROGRAMS	No. E030032		
<p>INSPECTION AND CLASSIFICATION CERTIFICATE Unstemmed and Unsweated Tobacco</p>				
This Certificate is issued under the Tobacco Inspection Act (49 Stat. 731).				
LOT NO. OR FARM NO	NO. OF BALES OR PILES	TYPE	U.S. GRADE (if applicable)	WEIGHT (if applicable)
001	100	12	B3F	N/A
LOCATION AT TIME OF INSPECTION/CERTIFICATION (Warehouse, City, State)				
Raleigh, NC 1306 Annapolis Drive		I. M. Farmer Any Street Raleigh, NC 27569		
I CERTIFY that the tobacco herein identified is as shown above.				
				
_____ MM-DD-YYYY (Date)		_____ <i>J. M. Inspector</i> (SIGNATURE OF OFFICIAL INSPECTOR)		
<p>ORIGINAL</p>				