United States Department of Agriculture



Federal Crop Insurance Corporation



Actuarial and Product Design Division

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# FLORIDA FRUIT TREE PILOT LOSS ADJUSTMENT STANDARDS HANDBOOK

**2008 and Succeeding Crop Years** 

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#### U.S. DEPARTMENT OF AGRICULTURE WASHINGTON, D.C. 20250

FEDERAL CROP INSURANCE HANDBOOK		NUMBER: 25570 (2-2007)
		25570-1 (5-2007)
SUBJECT:	<b>OPI:</b> Actuarial	and Product Design Division
FLORIDA FRUIT TREE PILOT	<b>APPROVED:</b>	DATE:
LOSS ADJUSTMENT STANDARDS		
HANDBOOK	/S/ Tim B. Witt	5/02/2007
2008 AND SUCCEEDING CROP YEARS	Deputy Administrator	for Product Management

#### THIS HANDBOOK CONTAINS THE OFFICIAL FCIC-ISSUED LOSS ADJUSTMENT STANDARDS FOR THIS CROP FOR THE 2008 AND SUCCEEDING CROP YEARS. ALL REINSURED COMPANIES WILL UTILIZE THESE STANDARDS FOR BOTH LOSS ADJUSTMENT AND LOSS TRAINING.

#### SUMMARY OF CHANGES/CONTROL CHART

The following list contains significant changes to this handbook, as determined by us. It may not represent all changes made. All changes made to this handbook are applicable regardless of whether or not listed.

Major Changes: See changes or additions in text which have been highlighted. Three stars (\*\*\*) identify where information has been removed. Changes for Crop Year 2008:

- 1. In Subsection 8.C., section I, item 17, clarified how to calculate the underreport factor. In the Narrative instructions for item "m," clarified the information to be documented in the Narrative of the Production Worksheet.
- 2. In subsection 8 C, form completion instructions, revised section II of the Production Worksheet instructions and form examples to record data by tree stage on separate lines. Clarified entries in column "D" are the total of column "M" entries taken from all previous Production Worksheets completed within the same crop year. Corrected calculation entries on the Production Worksheet form examples and inserted information in the Narrative to match the form completion instructions.
- 3. Made additional changes to correct format, spelling and punctuation.

#### FLORIDA FRUIT TREE PILOT LOSS ADJUSTMENT HANDBOOK

Contro	Control Chart For: Florida Fruit Tree Pilot Loss Adjustment Standards Handbook										
	SC	TC		Reference		Directive					
	Page(s)	Page(s)	Text Page(s)	Material	Date	Number					
Remove	1-4		29-36		2/2007	FCIC-25570					
Insert	1-2		29-36		5/2007	FCIC-25570-1					
Current	1-2				5/2007	FCIC-25570-1					
Index		1-2	1-28		2/2007	FCIC-25570					
			29-36		5/2007	FCIC-25570-1					
				37-39	2/2007	FCIC-25570					

## SUMMARY OF CHANGES/CONTROL CHART (Continued)

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## FLORIDA FRUIT TREE PILOT LOSS ADJUSTMENT HANDBOOK

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## FLORIDA FRUIT TREE PILOT LOSS ADJUSTMENT HANDBOOK

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## 1. INTRODUCTION

## THIS HANDBOOK MUST BE USED IN CONJUNCTION WITH THE LOSS ADJUSTMENT MANUAL (LAM).

This handbook identifies the crop-specific procedural requirements for adjusting Multiple Peril Crop Insurance (MPCI) losses in a uniform and timely manner. These procedures, which include crop appraisal methods and claims completion instructions, supplement the general (not crop-specific) procedures, forms, and manuals for loss adjustment identified in the Loss Adjustment Manual (LAM).

## 2. SPECIAL INSTRUCTIONS

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

## A. **DISTRIBUTION**

- (1) 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:
  - (a) One legible copy to insured.
  - (b) The original and all remaining copies as instructed by the approved insurance provider (AIP).
- (2) It is the AIP's responsibility to maintain original insurance documents relative to policyholder servicing as designated in their approved plan of operations.

## B. TERMS, ABBREVIATIONS, AND DEFINITIONS

- (1) Terms, abbreviations, and definitions **general** (not crop specific) to loss adjustment are identified in the LAM.
- (2) Terms, abbreviations, and definitions **specific** to Florida fruit tree loss adjustment and this handbook, which are not defined in this section, are defined as they appear in the text.

(3) Abbreviations:

AIP	Approved Insurance Provider
CTVE	Comprehensive Tree Value Endorsement
DYSO	(Damage Occurring) During the Year of Set Out
FFT	Florida Fruit Trees
FYSO	(Damage Occurring In Any Year) Following the Year of Set Out

**FEBRUARY 2007** 

\*\*\*

	OLO SDT	Occurrence Loss Option
	SDT	Stand(s) of Damaged Trees
(4)	Definitions:	
Amount of Damage	f Insured	The dollar amount determined by multiplying the damage value by the overage level.
<mark>Amount of</mark> (Unit)	f Protection	The dollar amount for the unit calculated by multiplying the number of nsurable trees reported by you in each stage-block times the applicable tree reference price for the stage, totaling these values, and then multiplying this result times the coverage level selected by you.
CTV Amo Protection		The dollar amount (by unit) calculated by multiplying the number of insurable rees reported by you in each stage II- and stage III-block times the applicable naximum CTV reference price for the stage, adding these values, and then nultiplying the result by the coverage level selected by you.
Damage V	alue	The dollar amount determined by multiplying the actual number of insurable rees in each stage-block damaged by the most recent cause of loss times the pplicable tree reference price, multiplying this result for each stage-block times the percent of damage applicable to each stage-block and totaling these ralues.
Destroyed	Tree	a) For damage due to insured causes occurring during the year of set out, any insurable tree with no live wood above the bud union.
		b) For damage due to insured causes occurring in any year following the year of set out, or for buckhorned or topworked trees, damage occurring either during the year the trees are topworked or buckhorned or any year thereafter, any insurable tree that:
		<ol> <li>The tree is dead;</li> <li>The tree is toppled, and rehabilitation is not possible, or the tree is missing; or</li> <li>There is no live wood above the bud union;</li> <li>For insurance purposes, for citrus only, if there exists damage within one foot of the trunk for stage II and stage III trees;</li> <li>For insurance purposes, for carambola only, if there exists damage within six inches of the trunk for stage I or II trees, or within one foot of the trunk for stage III trees.</li> </ol>
Fully Dam	aged Tree	An insurable tree that is 100 percent damaged and requires rehabilitation, but s not destroyed. The percent of damage is determined in accordance with ection 12(b) of the crop provisions.
Partially <b>E</b>	Damaged Tree	An insurable tree that requires rehabilitation but for which the extent of amage is less than 100 percent. The percent of damage is determined in ccordance with section 12(b) of the crop provisions.

**Stage-block** A block in which at least 75 percent of the trees are the same stage at the time insurance attaches.

**Stand of Damaged Trees** The area or areas within a unit where damage due to the same insurable cause of loss occurs, as established by us for the crop year, and is used to determine the damage value of the unit. If distinct areas of damaged trees within the unit cannot be established, the stand of damaged trees will be the entire unit.

## 3. INSURANCE CONTRACT INFORMATION

The AIP is to determine that the insured has complied with all policy provisions of the insurance contract. Crop provisions which are to be considered in this determination include (but are not limited to):

## A. **INSURABILITY**

The following may not be a complete list of insurability requirements. Refer to the Basic Provisions, FFT Pilot Crop Provisions, and Special Provisions for a complete list.

- (1) The trees insured will be all of each FFT crop for which the insured elects insurance coverage and for which a premium rate is provided by the actuarial documents:
  - (a) That are grown in the county listed on the application;
  - (b) In which the insured has a share; and
  - (c) That are grown to produce a commodity intended to be sold as fruit or juice for human consumption.

<mark>\*\*\*</mark>

- (2) In addition to the exclusions listed in the Basic Provisions, insurance will not be provided for any trees that:
  - (a) Are unsound, diseased, or unhealthy;
  - (b) Are toppled;
  - (c) Have been grafted within a 12-month period before the date insurance attaches, unless the grafting is a result of topworking;
  - (d) Are non-grafted seedlings (grown from seed);
  - (e) No longer have the potential to produce a yield typical of healthy trees of the same age as the subject trees, unless the trees were topworked or buckhorned and qualify as stage I or II;
  - (f) Were damaged before the beginning of the insurance period. (If trees suffered damage the previous crop year, insurance will not attach until the previous year's damage is determined, the insured submits a revised acreage report, and the trees are accepted by the AIP.)



- (3) Insurance will also not be provided for:
  - (a) Flooding due to high groundwater for trees that do not meet the requirements in the Special Provisions; or
  - (b) Any stage-I citrus trees located north of Interstate 4 for freeze that do not meet the requirements, if provided, in the Special Provisions.
- (4) Coverage begins:
  - (a) For new policies:
    - \*\*\*1 When the AIP receives the completed application by the sales closing date and subject to all other policy requirements, coverage begins on June 1 following the sales closing date for the 2008 and succeeding crop years,
      - 2 When the AIP receives the completed application after the sales closing date and subject to all other policy requirements, coverage begins 45 days after the AIP receives the completed application.
  - (b) For renewal policies:
    - 1 When the AIP receives the acreage report (and a completed application if required) by the sales closing date, coverage begins June 1 following the sales closing date for the crop year;
    - 2 An application is required if the insured elects a higher coverage level, adds CTVE or OLO, increases his/her share or reports additional acreage of insurable trees such that the amount of protection increases by more than 10 percent;
    - 3 If insured damage occurs after the sales closing date but before insurance attaches for the crop year, insurance coverage will not attach to any addition amount of protection or optional coverage elected or reported by the insured for the crop year.
  - \*\*\*(c) Set out for replacement trees. A revised acreage report is required to increase the amount of protection.
- (5) Coverage ends the earlier of May 31 of the crop year or upon total destruction of the insured trees on the unit.

## B. <u>PROVISIONS AND PROCEDURES NOT APPLICABLE TO CAT</u> <u>COVERAGE</u>

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

## C. UNIT DIVISION

Refer to the insurance contract for unit provisions.

#### D. UNIT VALUE DETERMINATIONS

- (1) Determination of unit acreage is not required; the number of trees in each stage-block in the unit is primarily used to determine unit value. If the unit value is greater than the amount of insurance, the underreport factor (URF) is used to adjust the indemnity. If the insured files a revised acreage report after the final acreage reporting date (to change the reported number/stage of trees), the AIP shall refer to the LAM for instructions regarding such revised acreage reports. In lieu of instructions in the LAM requiring acreage determinations for acreage reports revised after the final acreage reporting date, AIP's must verify the actual number of trees by stage.
- \*\*\*(2) More than one stage-block may exist within a unit. To determine actual numbers and stages of trees in each stage-block, the loss adjuster must visually inspect the unit. If an inspection reveals no discrepancy between the reported and actual numbers and stages of trees, the loss adjuster should sign and date the Pre-Acceptance Worksheet that was submitted by the policyholder to verify that the information was found to be accurate.
  - (3) If an inspection reveals a discrepancy between the reported and actual numbers and/or stages of trees, the loss adjuster shall:
    - (a) Request to examine the records used by the insured to complete the pre-acceptance worksheet;
    - (b) Establish the numbers of trees in each stage-block using the setting distances shown in **TABLE C**; or
    - (c) Conduct a tree count.
  - (4) AIPs may use a Pre-Acceptance Worksheet to establish the stage-blocks of trees in each unit if the information provided by the insured was not accurate. Both the policyholder and the AIP representative should sign the revised Pre-Acceptance Worksheet.
  - (5) For determining the base policy unit value, use the tree reference price shown on the price addendum. If the insured has elected the CTVE, a separate CTV unit value must be determined using the maximum CTV reference price shown on the price addendum.
    - (a) The number of trees in each stage-block is multiplied by the appropriate (tree or maximum CTV) reference price for the stage.
    - (b) These amounts are summed, the total is multiplied by the coverage level elected, and then rounded up to the nearest cent to determine the unit amount of buy-up coverage.

- (c) To determine the unit amount of Catastrophic coverage, the total of the amounts from item (a) is multiplied by 50% (the coverage level) and by 55% (the price election percentage), and rounded up to the nearest cent.
- \*\*\*(6) FFT indemnities are based on a determined percent of damage for each stage-block on a unit basis.
  - (7) To determine tree stage:

At the time insurance attaches for the crop year, the trees were:	then the stage is:
Citrus, Avocado and Mango Trees: Set out less than three crop years, buckhorned or topworked less than two crop years, or were reset after having been toppled less than one year, prior to the beginning of the current crop year, Carambola Trees: Set out, buckhorned, or topworked less than one crop year prior to the beginning of the current crop year,	Stage I
Citrus, Avocado and Mango Trees: Set out three or more crop years, buckhorned or topworked two or more crop years, or were reset after having been toppled less than 2 crop years before the beginning of the current crop year, but do not yet qualify as stage III, Carambola Trees: Set out, buckhorned, or topworked one or more crop years before the beginning of the current crop year, but do not yet qualify as stage III,	Stage II
<ul> <li>Citrus, Avocado and Mango Trees:</li> <li>Able to produce a yield typical of a healthy tree of the current tree age and: <ul> <li>(a) have completed at least six crop years after set out; or</li> <li>(b) have completed at least four crop years after buckhorning or topworking,</li> </ul> </li> <li>Carambola Trees: <ul> <li>Able to produce a yield typical of a healthy tree of the current tree age and have completed at least two crop years after set out, buckhorning, or topworking,</li> </ul> </li> </ul>	Stage III

## 4. FLORIDA FRUIT TREE APPRAISALS

## A. <u>GENERAL INFORMATION</u>

(1) Appraisals will be made in accordance with procedures specified in this handbook and in the LAM.

(2) Specifically all FFT appraisals will be made within a stand(s) of damaged trees (SDT). The SDT is an area in which damage due to the same insurable cause of loss has occurred, and is identified by the AIP. For widespread damage or when distinct areas of damaged trees within the unit cannot be established, the SDT will be defined as an entire unit. In addition, several SDT may result from a single loss event. Multiple SDT will cumulatively make up a single damage value for purposes of appraisals.

#### **Example:**

The unit below sustains damage in the shaded areas due to a covered peril. The SDT can be defined in several ways and is at the discretion of the AIP. For example, the AIP can

- (a) Define the SDT as the entire unit (Figure 1);
- (b) Divide the damage into two SDT based on the outermost damaged trees of each area (Figure 2); or
- (c) Treat each damage area as an individual SDT (Figure 3).

Other variations may also exist. Sampling is done within each SDT, observing the minimum sampling requirements (**TABLE A**) *for the number of trees in each stage-block within the SDT*. In the figures below, black borders illustrate a separate SDT.

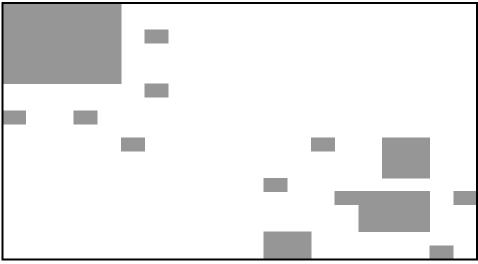


Figure 1. Entire unit as SDT.

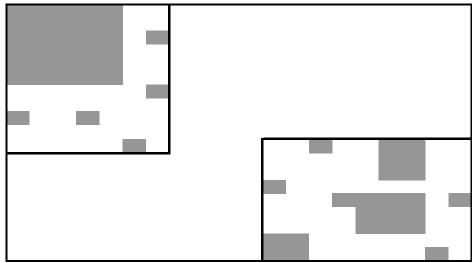


Figure 2. Two SDT defined by outermost damage in each area.

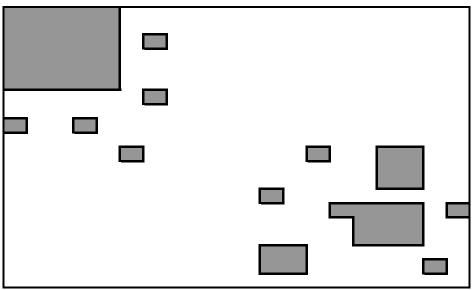


Figure 3. Multiple SDT defined by each damaged area.

\*\*\*(3) Circumstances that require an appraisal include (but are not limited to) trees to be rehabilitated or removed, if damaged due to an insurable cause during the insurance period. APPRAISE DAMAGED TREES BEFORE ANY PRUNING OR REMOVAL.

<mark>\*\*\*</mark>

## \*\*\*B. <u>SELECTING REPRESENTATIVE SAMPLES FOR APPRAISALS</u>

- \*\*\*(1) Determine the number of insurable trees in each SDT. Consider all trees in each stageblock and the stage assigned to the stage-block. Do not include any uninsurable trees or other fruit trees insurable as a separate crop. Include undamaged trees, insured trees damaged by uninsured causes, and trees damaged by insured causes when trees are sampled.
  - \*\*\*
  - (2) Use as many sample trees as necessary to accurately determine the percent of damage for each stage-block in the SDT. Minimum tree sample requirements are shown in **TABLE A**.

## C. <u>TREE APPRAISALS</u>

- (1) Select sample trees in each SDT as follows:
  - (a) Locate the first **insurable** tree on an outside row for the appraisal method group (DYSO vs. FYSO); this will be the first sample tree. Proceed along the row, selecting additional sample trees as follows:

If the stage-block has	Select
Less than 100 trees	Every 10 <sup>th</sup> tree in each row.
100 to 1,000 trees	Every 10 <sup>th</sup> tree in every other row.
1,001 to 5,000 trees	Every 10 <sup>th</sup> tree in every 5 <sup>th</sup> row.
5,001 trees or more	Every 10 <sup>th</sup> tree from every 10 <sup>th</sup> row.

- (b) Select only those trees representative of the assigned stage of the stage-block. For example, if sampling a stage III-block and the next sample tree is a stage I, skip over the stage I tree, and continue on to the next stage-III tree.
- (c) Proceed down the next row in the opposite direction, beginning with the first tree, and continue sampling until all trees of the stage-block in the SDT have been covered and at least the minimum number of trees (refer to **TABLE A**) have been sampled.
- \*\*\*(d) INCLUDE all damaged and undamaged trees in the sample.
- \*\*\*(e) EXCLUDE as representative samples any trees to which insurance did not attach.
- (2) Determine the number of insurable trees in the unit using the following information:
  - (a) **INCLUDE all** insurable trees damaged by an uninsured cause after insurance attached for the crop year. Trees damaged solely by uninsured causes during the crop year are counted as trees **not** damaged or destroyed.
  - (b) Trees damaged by uninsured causes are not insurable the following year unless a preacceptance inspection is completed and such trees are accepted as insurable.
  - (c) **EXCLUDE** any trees to which insurance did not attach.
- (3) Make all appraisal determinations for each stage-block in the SDT as required.

## 5. APPRAISAL METHODS

## A. <u>GENERAL INFORMATION</u>

These instructions provide information on appraisal methods for:

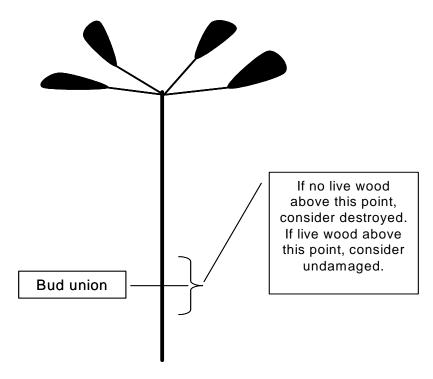
Appraisal Method	Use
Damage Occurring During The Year of Set Out (DYSO)	To appraise the presence of live wood above the bud union on trees that have been set out in the grove for less than one year.
Damage Occurring In Any Year Following The Year Of Set Out (FYSO)	To measure and appraise the percent of damage to live wood above the bud union and to limbs of trees damaged in any year following the crop year of set out.

## B. DAMAGE OCCURRING DURING THE YEAR OF SET OUT

- (1) Verify that all grafted trees were grafted onto existing rootstock or nursery stock (unless such grafting is the result of topworking) more than 12 months prior to the date insurance attaches.
- (2) Appraise the presence of **LIVE** wood above the bud union as follows:

IF, above the bud union, the selected sample tree has	THEN consider the tree	AND the percent of damage is				
No <b>LIVE</b> wood,	Destroyed	100%.				
LIVE wood,	Undamaged	Zero (0%).				

#### Figure 4. Appraisal Method for Damage Occurring During the Year of Set Out



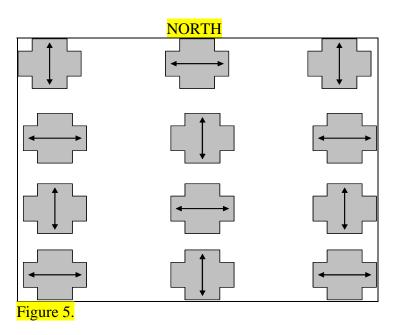
(3) Record determinations in Part III of the Appraisal Worksheet.

## C. <u>DAMAGE OCCURRING IN ANY YEAR FOLLOWING THE YEAR OF</u> <u>SET OUT</u>

This appraisal method applies to all trees in any year following the year of set out (FYSO). This appraisal method also applies for buckhorned or topworked trees damaged during the year the trees are buckhorned or topworked, or in any year thereafter.

For trees with damaged limbs, appraise the damage to the limbs as follows:

(1) For each tree, appraise two limbs on opposing sides of the tree, in which the diameter of at least one damaged limb at the point of damage matches the tree damage descriptions located in the Table on Page 14. Appraise the north/south limbs on the first sample tree, the east/west limbs on the second sample tree, the north/south limbs on the third sample tree, and so forth as illustrated in the figure below. Alternatively, opposing sides of the tree can be determined as the sides "within the row" and "against the row." Figure 5 below represents an aerial view of a SDT with twelve FYSO trees and assumes all trees are sampled.



(2) Using a caliper, measuring tape, or ruler, determine the **greatest** limb diameter at which damage has occurred for each sample limb. Damage is defined as limb breakage and/or dead wood. Record the limb diameter at the innermost point of damage for each sample limb on the Appraisal Worksheet. The limb with the greater amount of damage determines the damage category for the entire tree. For example:

<u>Tree 1</u>: Limb 1 damage = 1" limb diameter Limb 2 damage = 3" limb diameter Tree Damage = 3" limb diameter = **Fully Damaged** <u>Tree 2</u>: Limb 1 damage = No damage Limb 2 damage = 1" limb diameter Tree Damage = 1" limb diameter = **Partially Damaged** 

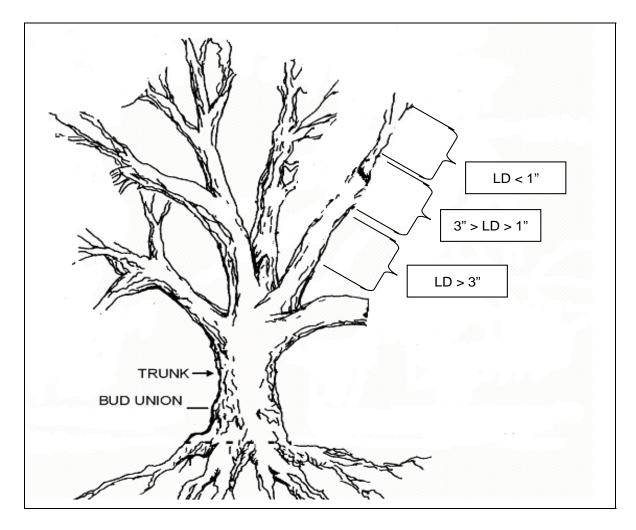
(Refer to Figure 6 on Page 15)

(3) Classify each sample tree as undamaged, partially damaged, fully damaged or destroyed. The amount of damage to each tree will be determined as follows:

anount of damage to each tree will be determined as follows.	Tree
Tree Damage Description	Classification
Citrus and Carambola	
Tree is undamaged or location of limb damage on <i>both</i> sampled	Undamaged
limbs is <b>less than one-inch</b> in diameter at the point of damage.	
Location of limb damage to one or both of the sampled limbs is	Partially Damaged
at least one-inch in diameter, but less than three inches in	
diameter at the point of damage.	
<ul> <li>Location of limb damage to one or both of the sampled</li> </ul>	Fully Damaged
<i>limbs</i> is at least <b>three inches</b> in diameter at the point of	
damage, but the tree can be rehabilitated;	
• Tree is buckhorned or topworked with no live wood above	
the new growth points or above the graft unions; or	
<ul> <li>Tree is toppled and can be rehabilitated,</li> </ul>	
<ul> <li>For damage due to insured causes occurring during the</li> </ul>	Destroyed
year of set out, any insurable tree with no live wood above	5
the bud union.	
<ul> <li>For damage due to insured causes occurring in any year</li> </ul>	
following the year of set out, or for buckhorned or	
topworked trees, damage occurring either during the year	
the trees are topworked or buckhorned or any year	
thereafter, any insurable tree: ***	
<ul> <li>The tree is dead;</li> </ul>	
<ul> <li>The tree is toppled, and rehabilitation is not possible, or</li> </ul>	
the tree is missing; or	
<ul> <li>There is no live wood above the bud union</li> </ul>	
<ul> <li>For insurance purposes, for citrus only, if there exists</li> </ul>	
damage within <b>***</b> one foot of the trunk for stage II and	
stage III trees;	
• For insurance purposes, for carambola only, if there exists	
damage within six inches of the trunk for stage I or II	
trees, or within one foot of the trunk for stage III trees.	
Avocado and Mango	
Tree is undamaged or location of limb damage on <i>both</i> sampled	Undamaged
limbs is <b>less than two inches</b> in diameter at the point of damage.	-
Location of limb damage to one or both of the sampled limbs is	Partially Damaged
at least two inches in diameter, but less than four inches in	
diameter at the point of damage.	
<ul> <li>Location of limb damage to one or both of the sampled</li> </ul>	Fully Damaged
<i>limbs</i> is at least <b>four inches</b> in diameter at the point of	
damage <sup>***</sup> . The diameter of the trunk at the point of	
damage may also be considered to satisfy the four-inch	
requirement.	
<ul> <li>Tree is buckhorned or topworked with no live</li> </ul>	
wood above the new growth points or above the	
graft unions; or	
<ul> <li>Tree is toppled and can be rehabilitated,</li> </ul>	
<ul> <li>Tree is dead;</li> </ul>	Destroyed
<ul> <li>Tree is toppled and cannot be rehabilitated or</li> </ul>	-
tree is missing; or	
<ul> <li>There is no live wood above bud union,</li> </ul>	

(4) Record separately in Part III of the Appraisal Worksheet the number of trees partially and fully damaged/destroyed.

#### **Figure 6.** Appraisal Method for Damage Occurring in any Year Following the Year of Set Out Citrus/Carambola Example of Limb Damage



## 6. APPRAISAL DEVIATIONS AND MODIFICATIONS

## A. <u>DEVIATIONS</u>

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

## B. MODIFICATIONS

There are no pre-established modifications contained in this handbook. Refer to the LAM for additional information.

## 7. APPRAISAL WORKSHEET ENTRIES AND COMPLETION PROCEDURES

## A. <u>GENERAL INFORMATION</u>

- (1) Include the AIP's name in the Appraisal Worksheet title if not preprinted on the AIP's worksheet.
- (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 inspected.
- (4) If the SDT consists of trees of more than one stage-block, a continuation sheet must be used for each stage.
- (5) If the CTVE is elected, a separate Appraisal Worksheet is required for each type/subtype in the SDT. The resulting percent damage will be entered as a separate line entry on the claim form.
- (6) Instructions designated DYSO apply to trees damaged during the year of set out. Instructions designated FYSO apply to trees damaged in any year following the year of set out. Undesignated instructions apply to both DYSO and FYSO trees.
- (7) Document only the damage appraisal of SAMPLED trees for the SDT resulting from the most recent cause of loss on the Appraisal Worksheet/continuation sheet.
- (8) List the total number of trees the samples represent (total number of trees in current SDT(s) for all stage-blocks) only in Part II item 8 as directed.
- (9) Standard Appraisal Worksheet items are numbered consecutively in subparagraph B but actual entry completion does not follow this order. An example Appraisal Worksheet is provided to illustrate how to complete entries.
- (10) The Privacy Act and Nondiscrimination 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 in this section. The current Privacy Act and Nondiscrimination Statements can be found in the Document and Supplemental Standards Handbook (DSSH), FCIC-24040.

## B. WORKSHEET ENTRIES AND COMPLETION INFORMATION

- (1) Complete the Fruit Tree Appraisal Worksheet and continuation sheet in the following order:
  - (a) PART I APPRAISAL WORKSHEET HEADING
  - (b) PART III APPRAISAL
  - (c) PART II PERCENT DAMAGE

(2) All percent entries are entered as 3-place decimals (e.g. 79.4% is entered as .794; 100% is entered as 1.000).

#### PART I - APPRAISAL WORKSHEET HEADING

#### Verify or make the following entries:

#### Item No. Information Required

Company: Name of AIP, if not preprinted on the worksheet (Company Name).

Claim No.: Claim number as assigned by the AIP.

- 1. **Name of Insured:** Name of insured that identifies EXACTLY the person (legal entity) to whom the policy is issued.
- 2. **Policy Number:** Insured's assigned policy number.
- 3. **County:** Name of the county in which the trees are insured.
- 4. **Unit Number:** Five-digit unit number from the Summary of Coverage after it is verified to be correct.(e.g. 00100).
- 5. **Crop/Type:** Four-digit crop code number and three-digit type/subtype code number, as applicable, entered exactly as specified on the actuarial documents for the crop and type being appraised. The name or an abbreviation for the crop/type/subtype name may also be entered as illustrated on the Appraisal Worksheet example.
- 6. **Crop Year:** Crop year, as defined in the policy, for which the claim has been filed (e.g., YYYY.

#### PART II – PERCENT DAMAGE

#### Verify or make the following entries:

#### Item

#### No. Information Required

- 7. **Appraisal Method:** Identify the appraisal method for the line entry calculation (e.g. DYSO or FYSO). For Stage I appraisals containing both DYSO and FYSO trees, enter DYSO/FYSO.
- 8. **Number of Trees/SDT:** Split the cell in half horizontally. Use separate lines for varying stages within the SDT. For each stage:

- \*\*\*a. Record in the top half, the TOTAL number of trees of the corresponding stage in all SDTs as a result of the most recent cause of loss. Include all damaged and undamaged trees, and all trees damaged by uninsurable causes, in the SDT.
  - b. Record in the bottom half, the number of trees of the corresponding stage SAMPLED from all SDT as a result of the most recent cause of loss.
- 9. MAKE NO ENTRY.
- 10. **Stage:** Enter the applicable tree stage for the line item. Refer to section 3D, herein.
- 11. MAKE NO ENTRY.
- 12. **Trees Fully Damaged/Destroyed:** Record the number of trees from **Total** (item 30) of Column 27 of PART III of the Florida Fruit Tree Damage Appraisal Worksheet (Appraisal Worksheet). Enter "0", if no trees are considered fully damaged/destroyed. If continuation sheets are used for the stage, enter the **Grand Total** of this column from the final continuation sheet in this item.
- 13. **Percent Total Loss:** Result of dividing item 12 by item 8b. Round to nearest 3-place decimal.
- 14. **Trees Partially Damaged:** Record the number of trees from **Total** (item 30) of Column 26 of PART III of the Appraisal Worksheet. If continuation sheets are used for the stage, enter the **Grand Total** of this column from the final continuation sheet. Enter "0" if no trees are considered partially damaged and enter item 13 in item 24.
- 15. **Percent Partial Loss:** Result of dividing item 14 by item 8b. Round to nearest 3-place decimal.
- 16. 17. MAKE NO ENTRY.
- 18. Partial Damage Factor: Enter corresponding Partial Damage Factor from Reference Material – TABLE B for the stage and crop, to 3-place decimal.
- 19. 23. MAKE NO ENTRY.
- 24. **Percent Damage:** Result of multiplying item 15 times item 18, then adding item 13, to 3-place decimal.

#### PART III – APPRAISAL

Identify the stage in Part III on each Appraisal Worksheet or continuation sheet used for the unit. **Do NOT mix stages on the same Appraisal Worksheet or continuation sheet.** Total each stage separately and transfer Part III totals to the appropriate stage line entries of Part II of the Appraisal Worksheet for the unit. Enter, in the space to the right of the Part III heading, the following:

- a. Stage I, Stage II, or Stage III as appropriate for the form and the number of the pages used for Part III.
- \*\*\* b. "Trees Uninsurable." By stage, record a mark for each tree that is uninsurable. Indicate the number count in parentheses and sample the next insurable tree.
  - c. "Trees Damaged by Uninsured Causes." Record a mark for each tree damaged by an uninsured cause during the crop year. Indicate the number count in parentheses. (Such trees must be inspected and accepted for insurance to attach the subsequent crop year.)

## For each sample tree, complete items 28 and 29 prior to completing items 25-27. Verify or make the following entries:

#### Item

#### No. Information Required

- 25. Undamaged: Make a check mark (✓) in Column 25 for each UNDAMAGED insurable sample tree. For a tree to be considered UNDAMAGED, Columns 28 and 29 should both contain zero (0).
- 26. **Partially Damaged:** Make a check mark (✓) in Column 26 for each PARTIALLY DAMAGED insurable sample tree. For a tree to be considered PARTIALLY DAMAGED, *at least one* of Columns 28 or 29 should contain a 1 for citrus/carambola, or a 2 for avocado/mango, but should not contain a 3 or 4. No DYSO trees should be listed in Column 26.
- 27. Fully Damaged/Destroyed: Make a check mark (✓) in Column 27 for each FULLY (100 %) damaged or DESTROYED insurable sample tree. For a tree to be considered FULLY DAMAGED OR DESTROYED, *at least one* of Columns 28 or 29 should contain a 3 for citrus/carambola, or a 4 for avocado/mango. For any Stage-II or Stage-III trees that are considered DESTROYED, <u>circle the check mark.</u>

#### 28. Limb Diameter Damaged (1):

**DYSO:** If the tree is considered undamaged, enter 0; if the tree is considered destroyed, enter 3 for citrus/carambola or 4 for avocado/mango.

**FYSO:** Enter the limb diameter at the greatest point of damage for the first sampled limb. For citrus and carambola trees, the entry may be 0, 1 or 3. For avocado and mango, the entry may be 0, 2, or 4. If the tree does not have limb damage but is considered FULLY DAMAGED, enter 3 for citrus/carambola, 4 for avocado/mango. For any trees considered DESTROYED, enter 3 for citrus/carambola and 4 for avocado/mango.

#### 29. Limb Diameter Damaged (2):

**DYSO:** If the tree is considered undamaged, enter 0; if the tree is considered destroyed, enter 3 for citrus/carambola or 4 for avocado/mango.

**FYSO:** Enter the limb diameter at the greatest point of damage for the second sampled limb. For citrus and carambola trees, the entry may be 0, 1 or 3. For avocado and mango, the entry may be 0, 2, or 4. If the tree does not have limb damage but is considered FULLY DAMAGED, enter 3 for citrus/carambola and 4 for avocado/mango. For any trees considered DESTROYED, enter 3 for citrus/carambola and 4 for avocado/mango.

\*\*\*30. Total: Record the total number of trees for the stage in Columns 25 – 27. Omit from this count, uninsurable trees (trees for which insurance did not attach), include any trees damaged or destroyed by an uninsured cause during the crop year. Make NO ENTRY for "Total" in columns 28 and 29.

**Previous Total:** If continuation sheets are used for a stage, the sample Previous Total is the Grand Total entry from the previous page for the stage, brought forward as appropriate.

**Grand Total:** Separately add the sample **Total** of each column on this page to the **Previous Total** of each column from the previous page and enter the **Grand Total** in the appropriate column on this page. The Grand Total from the last continuation sheet for the stage will be used to compute Part II – Percent of Damage.

- 31. **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 the Appraisal Worksheet. If the appraisal is performed prior to signature date, document the date of appraisal in the Remarks/Narrative section of the Appraisal Worksheet (if available); otherwise, document the appraisal date in the Narrative of the Production Worksheet.
- 32. **Insured's Signature and Date:** Insured's (or insured's authorized representative's) signature and date on the Appraisal Worksheet. BEFORE obtaining the signature, REVIEW ALL ENTRIES on the Appraisal Worksheet and continuation sheet WITH THE INSURED (or the insured's authorized representative), particularly explaining codes, etc., which may not be readily understood.

**Page Numbers:** Page numbers: Page 1 of 1, Page 1 of 2, etc., for each page used for the unit appraisal. The Appraisal Worksheet containing the PART II computations for the unit should be listed as page 1; appraisal continuation sheets should be numbered consecutively thereafter for the Part III stage sampled.

**EXAMPLE:** The Appraisal Worksheet contains the start of one stage (Part III) which continues over into another (continuation sheet) page. Additional continuation sheets would be used for the other stages. The Appraisal Worksheet would be numbered "Page 1 of 3 pgs.," the first stage continuation sheet would be numbered "Page 2 of 3 pgs.," and the other stage continuation sheet would be numbered "Page 3 of 3 pgs."

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## 8. CLAIM FORM ENTRIES AND COMPLETION PROCEDURES

#### A. <u>GENERAL INFORMATION</u>

- (1) The claim form (hereafter referred to as the "Production Worksheet") is a progressive form containing all notices of damage for all inspections on a unit.
- (2) If a Production Worksheet 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 and cases involving concealment, misrepresentation, or litigation.
  - \*\*\*(d) No Indemnity Due Claims. Under the FFT Crop Provisions, it is possible for multiple loss events to occur within the same crop year. In addition to the LAM instructions for "No Indemnity Due Claims," AIPs should document any reported tree damage on an Appraisal Worksheet and complete a "No Indemnity Due Claim." Otherwise, any limb removal, etc., must be assumed to be a result of normal orchard production maintenance practices and cannot be considered due to insurable causes. Prior to executing a "Withdrawal of Claim," without documentation of damage, AIPs must inform the insured of the above consequences of undocumented tree damage.
- (4) The adjuster is responsible for determining if the insured has complied with all of the requirements under the notice and claim provisions of the policy. If they have not, the adjuster should contact the AIP.
- \*\*\*(5) Multiple claims may be processed for a unit. For each final claim, the damage value will be carried forward to the next final claim.
  - (6) The total of all indemnities for the unit must not exceed the lesser of the amount of protection times the share for the unit or the unit value times the share.
  - \*\*\*
  - The following crops as defined in the crop provisions are not eligible for coverage under the CTVE: Carambola trees, lemon trees, lime trees, and mango trees. Insureds who select CTVE may also select OLO coverage.

- (8) If the insured has elected the CTVE, the adjuster will complete two separate Production worksheets: the first for the base policy utilizing the tree reference prices and the second for the endorsement utilizing the applicable CTV reference prices. All prices are provided on the price addendum documents. The same coverage level for the unit applies to the base policy and the endorsement. The base policy claim should be completed prior to the CTVE claim. If no indemnity is payable on the base policy, the CTVE Production Worksheet shall not be completed.
- (9) The Privacy Act and Nondiscrimination 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 in this section. The current Privacy Act and Nondiscrimination Statements can be found in the Document and Supplemental Standards Handbook (DSSH), FCIC-24040. Refer to the DSSH for other crop insurance form requirements (e.g., point size of font, etc.).

## B. FORM ENTRIES AND COMPLETION INFORMATION

Verify or make the following entries:

#### Item

#### No. Information Required

1. **Crop/Code #:** Enter the crop name and the crop code number of the Florida fruit tree crop insured:

CITRUS CROP	CODE #	TROPICAL FRUIT CROP	CODE #
Orange Trees	0207	Carambola Trees	0213
Grapefruit Trees	0208	Avocado Trees	0212
Lemon Trees	0209	Mango Trees	0214
Lime Trees	0210		
All Other Citrus Trees	0211		

2. **Unit #:** Five-digit unit number from the Summary of Coverage after it is verified to be correct (e.g. 00100). The unit number for CTVE claims should correspond with the base policy unit number. Designate when the CTVE and/or the OLO are in effect using the following codes:

CV – CTVE is in effect (no OLO) OL – OLO is in effect (no CTVE) CV/OL – Both the CTVE and the OLO are in effect

3. **Legal Description:** Section, township, and range number or other description that identifies the location of the unit.

- 4. **Date of Damage:** First three letters of the month during which MOST of the insured damage (including progressive damage) occurred for each inspection. Include the SPECIFIC DATE where applicable as in the case of freeze damage (e.g. JAN 9).
- 5. **Cause of Damage:** Enter the insured cause of loss for this crop as listed in the LAM. If it is evident that no indemnity is due, enter "NONE." If an insured cause of loss is coded as "Other," explain in the Narrative. Refer to the Basic Provisions and Crop Provisions for information pertaining to insured and uninsured causes of loss.
- 6. **Primary Cause %:** Percent of damage for the cause of damage listed in item 5 above that is determined to be the primary cause of damage, to the nearest whole percent. The primary cause of damage must exceed 50 percent (e.g. 51%). Enter an "X" for the major secondary cause of damage.
- 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 Number:** The claim number as assigned by the AIP.
- 10. **Policy Number:** Insured's assigned policy number.
- 11. **Crop Year:** Crop year, as defined in the policy, for which the claim is filed.
- 12. **Additional Units:** 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 FFT Production Worksheet has not been completed. Additional non-loss units may be entered on a single FFT Production Worksheet. 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.

#### 13. **Date(s) of Notice:**

- a. Date the notice of damage was given for the unit in item 2 in the 1<sup>st</sup> or 2<sup>nd</sup> spaces, as applicable. Enter the complete day (e.g., MM/DD/YYYY) for each notice.
- b. A notice of damage or loss for a third inspection (if needed) requires an additional set of FFT Production Worksheets. Enter the date of the notice for a third inspection in the 1st space of item 14 on the second set of FFT Production Worksheets.
- c. Reserve the "Final" space on the first page of the first set of FFT Production Worksheets for the date of notice for the final inspection.
- d. If the inspection was 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.

Transfer the latest date (in the 1st or 2nd space from the first or second set of FFT Production Worksheets) to the FINAL space on the first page of the first set of FFT Production Worksheets 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. For a delayed notice of loss or delayed claim, refer to the LAM.

#### 14. **Companion Policy(ies):**

- 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 contract (i.e., not crop-hail, fire, etc.). If the other person does not, enter "NONE."
  - (1) If the other person has a multiple-peril contract and it can be determined that the SAME AIP services it, enter the contract number. Handle these companion policies according to the AIP instructions.
  - (2) If the OTHER person has a multiple-peril contract and a DIFFERENT AIP or agent services it, enter the name of the AIP and/or agent (and contract number) if known.
  - (3) If unable to verify the existence of a companion contract, enter "Unknown" and contact the AIP for further instructions.
- c. Refer to the LAM for further information regarding companion contracts.

## **SECTION I - ACREAGE APPRAISED, UNIT VALUE**

## ACCOUNT FOR ALL INSURABLE TREES IN THE UNIT. In the event of over-reported trees, handle in accordance with individual AIP's instructions.

The **total** number of trees in **all** stage-blocks present in the **unit** must be accounted for on the Production Worksheet. This will be used to calculate the unit value for all claims, and the unit **\*\*\***deductible for non-OLO claims. The number of insurable trees by stage should be verified by a visual **\*\*\***inspection and compared to the acreage report.

The adjuster should document completion of the inspection. The adjuster should indicate concurrence with the Pre-acceptance Worksheet by signing and dating the worksheet in the space provided. If an inspection reveals a discrepancy between the reported and actual numbers and stages of trees, the loss adjuster shall either:

- a. Request to examine the records used by the insured to complete the Pre-Acceptance Worksheet;
- b. Establish the number of trees in each stage-block using the setting distances shown in **TABLE C**; or
- c. Conduct a tree count by stage.

AIPs may use a Pre-Acceptance Worksheet to establish the stage-blocks of trees in each unit if the information provided by the policyholder was not accurate. Both the AIP representative and the policyholder should sign the Pre-Acceptance Worksheet. Indicate on the Grove Identification Map the location of all SDT as a result of the most recent cause of loss.

#### Verify or make the following entries:

Item

#### No. Information Required

- A. **Field ID:** The stage-block identification number in which the SDT exists as assigned by the insured or AIP.
  - a. In the margin (or in a separate column), enter the DATE of inspection for the last line entry for each inspection.
  - b. For CTVE claims, do not enter any blocks of stage D01 trees on the FFT Production Worksheet.

#### **REFER TO THE LAM FOR INSTRUCTIONS REGARDING ENTRIES OF FIRST CROP AND SECOND CROP CODES.**

B. **Total Reported Trees:** Total number of trees in the stage-block the insured reported in the unit by stage-block on the Acreage Report.

#### C. Total; Trees (Stage):

Enter the TOTAL NUMBER OF TREES IN THE **UNIT** corresponding to the stage of the stage-block, on the day before the loss occurred.

#### D. **SDT:**

\*\*\*a. **Base Policy:** Enter the number of insurable trees in all SDT (as a result of the most recent cause of loss) corresponding to the stage. Make no entry in Column D if the corresponding stage was not present in the SDT.

#### b. **CTVE:**

- 1. Draw a horizontal line across the cell.
- 2. Above the line, enter the result of dividing the number of sample trees considered FULLY DAMAGED (**not circled** from Part III, Column 27 of the Appraisal Worksheet) by the total number of trees sampled for the stage, result to three decimal places, (8b of the Appraisal Worksheet), then multiplying this result by the total number of trees of the stage in the SDT.

- 3. Below the line, enter the result of dividing the number of sample trees considered DESTROYED (**circled** from Part III, Column 27 of the Appraisal Worksheet) by the total number of trees sampled for the stage (8b of the Appraisal Worksheet), then multiply by the total number of trees of the stage in the SDT.
- 4. Make no entry if the corresponding stage was not present in the SDT or for stage D01.
- E. **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.
- F. **Rate Class (Stage):** The correct stage code for the stage from the actuarial documents. Verify with the Summary of Coverage and if the stage code is found to be incorrect, refer to the LAM for Revised Acreage Report instructions. If you revise the acreage report, you cannot increase liability at loss time.
- G. **Practice:** Three-digit code number, entered exactly as specified on the actuarial documents, for the practice carried out by the insured. If "No Practice Specified," enter appropriate three-digit code number from the actuarial documents.
- H. **Type/Class/Variety:** Three-digit type and subtype code numbers (as applicable), entered exactly as specified on the actuarial documents, for the type/subtype corresponding to the stage-block. If "No Type Specified," enter appropriate three-digit code number from the actuarial documents (e.g., "997/003").
- I. **Coverage Level:** The coverage level selected by the insured for the crop, to two decimal places, i.e., enter 65% as .65.

#### J. **Type of Loss:** MAKE NO ENTRY

#### K. **Reference Price**:

a. **Base Policy:** Enter the applicable **tree reference price** shown on the price addendum for the stage, in dollars and cents.

#### b. CTVE:

- 1. Draw a horizontal line across the cell.
- 2. Above the line, enter the **Minimum** CTVE Reference Price in dollars and cents for the stage shown on the price addendum. Below the line, enter the **Maximum** CTVE Reference Price in dollars and cents for the stage shown on the price addendum.
- <mark>\*\*\*</mark>
- c. For CAT coverage, multiply the applicable tree reference price by 0.55.



% Damage: Enter the percent damage as a decimal to three places as follows:

- a. **Base Policy:** Enter the percent damage for the stage determined from the appraisal (Column 24 of Part II of the Appraisal Worksheet), to three decimal places.
- b. **CTVE:** Enter "1.000".

Make NO ENTRY if the corresponding stage-block was not present in the SDT. If there has been a previous claim during the crop year, the stage-blocks sampled as a result of the most recent cause of loss must be reviewed against stage-blocks from the previous claim to ensure that the applicable percent damage for the crop year will not exceed 100 percent for any stage-block or portion of a stage-block within a SDT.

For example, If a stage-II block of 200 trees is 40% damaged due to freeze in January and the same stage-II block is removed in April due to wind, the claim must report 200 trees damaged 40% from freeze in January, and 200 trees damaged 60% due to wind in April. To do otherwise would in effect count 200 trees as 140% damaged (40% due to freeze and 100% due to wind).

M. **Amt of Ins. Damage or Damage Value:** Check appropriate box indicating if entry is for "Amount of Insured Damage" or "Damage Value."

#### a. Base Policy:

- \*\*\*1. <u>Non-OLO</u>: Compute the damage value by multiplying columns "D" times "K" times "L", round to nearest whole dollar.
- \*\*\*2. <u>OLO</u>: Compute the amount of insured damage by multiplying columns "D" times "I" times "K" times "L", round to nearest whole dollar.

#### b. **CTVE:**

- 1. Draw a horizontal line across the cell.
- 2. (For FULLY DAMAGED trees): Above the line, enter the damage value by multiplying Columns "D" times entry ABOVE the line in "K" times "L," round to nearest whole dollar.
- 3. (For DESTROYED trees): Below the line, enter the damage value by multiplying Columns "D" times entry BELOW the line in "K" times "L", rounded to nearest whole dollar.

#### c. **CTVE AND OLO**:

1. Draw a horizontal line across the cell.

- 2. (For FULLY DAMAGED trees): Above the line, enter the amount of insured damage by multiplying Columns "D" times "I" times entry ABOVE the line in "K" times "L," round to nearest whole dollar.
- 3. (For DESTROYED trees): Below the line, enter the amount of insured damage by multiplying Columns "D" times "I" times entry BELOW the line in "K" times "L", rounded to nearest whole dollar.

#### N. **Unit Deductible:**

#### a. **Base Policy:**

- \*\*\*1. <u>Non-OLO</u>: Column "C" times Column "K" times the percent deductible (1.00 minus Column "I" coverage level %), results in whole dollars.
- \*\*\*<sup>2</sup>. <u>OLO</u>: MAKE NO ENTRY.

#### b. **CTVE:**

- \*\*\*1. <u>Non-OLO</u>: Column "C" times entry BELOW the line in Column "K" times the percent deductible (1.00 minus Column "I" coverage level %), results in whole dollars.
- \*\*\*2. <u>OLO</u>: MAKE NO ENTRY.

#### O. Unit Value:

Column "C" times Column "I" times Column "K" (if the line is split use the entry below the line), results in whole dollars. This entry is on a 100% share basis.

#### 15. **Totals:**

- a. Column "M" total in whole dollars.
- b. Column "N" total in whole dollars.
- c. Column "O" total in whole dollars.
- 16. **OLO Minimum Value:** If OLO is not in effect MAKE NO ENTRY. If OLO is in effect with CTVE, MAKE NO ENTRY. If OLO is in effect without CTVE, total of column "O" times 0.05 results, in whole dollars. If the amount of insured damage (total of column "M", item 15) equals or exceeds the entry in item 16, then an indemnity may be due for the entire amount of the loss.

- 17. **URF: (Under Report Factor)** To determine the URF, calculate the amount of protection for the unit (in whole dollars) by multiplying for each line, column "B" times column "I" times column "K" and totaling the results for all lines.
  - a. **Base Policy:** In the event that the unit value (column "O," item 15) is greater than the amount of protection, divide the amount of protection by the unit value, recording the URF to three decimal places. Enter "1.000" if the amount of protection equals or exceeds the unit value.
  - b. **CTVE:** In the event that the CTVE unit value (column "O," item 15) is greater than the CTVE amount of protection, divide the CTVE amount of protection by the CTVE unit value, recording the CTVE URF to three decimal places. Enter "1.000" if the CTVE amount of protection equals or exceeds the CTVE unit value.

NARRATIVE: Attach the Special Report to the Production Worksheet.

- a. If no trees are released on the unit, enter "No trees released," adjuster's initials and date.
- b. If notice of damage was given and "No Inspection" is necessary, enter the unit number(s), "No Inspection," date, and adjuster's initials. The insured's signature is not required.
- c. Explain any uninsured causes, unusual, or controversial cases.
- d. Enter the percent damage by uninsured causes and explain. Trees damaged by an uninsured cause will be counted as undamaged.
- 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. Explain any errors found on the Summary of Coverage.
- g. Explain a "NO" checked in item 19.
- h. Attach Grove Identification Maps to identify the total unit:
  - (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.

Indicate on the sketch map or aerial photo the disposition of acreage put to other use with or without consent.

- i. 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 Production Worksheet for signature.
- j. 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.

- k. Explain the reason for a "No Indemnity Due" claim. "No Indemnity Due" claims are to be distributed in accordance with AIP's instructions.
- 1. Explain any delayed notices or delayed claims as instructed in the LAM.
- m. Document how the OLO minimum was determined. Also document the amount of protection and calculations used to determine the URF for the unit.
- n. Document any other pertinent information. If on an attachment, enter "See attachment."

## SECTION II - ADJUSTMENTS TO UNIT VALUE

#### Verify or make the following entries:

## Item

#### No. Information Required

- 18. **End of the Insurance Period:** Enter the date the ENTIRE unit was (1) totally destroyed, (2) a combination of destroyed and damaged, or (3) the calendar date for the end of the insurance period.
- 19. **Similar Damage:** Check "Yes" or "No." Check "Yes" if amount and cause of damage due to insurable causes is similar to the experience of other groves in the area. If "No" is checked, explain in the Narrative.
- 20. 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.
- 21. **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.
- A. Rate Class (Stage): Transfer the entry by stage from section I, column "F." ALL STAGES PRESENT IN THE UNIT SHOULD BE ACCOUNTED FOR IN SECTION II. EXCEPT FOR CTVE, DO NOT ENTER STAGE DO1 TREES. USE MULTIPLE LINE ENTRIES FOR MULTIPLE STAGES.
- B. Date of Previous Loss: For each stage, enter the month(s) and day(s) (e.g., Nov. 15) of the most
   \*\*\* recent previous loss event during the same crop year regardless of whether an indemnity was due. If there has been no previous loss event during the crop year, MAKE NO ENTRY.
- C. Unit Value: Transfer entries from section I, column "O" for each stage.
- D. Previous Damage Value (100% Share): For previous loss event(s) on the unit that occurred during the same crop year (whether an indemnity was due or not), total the damage value(s) (or amount(s) of insurance, as applicable) in section I, column "M" for the corresponding stage(s) from all previous Production Worksheet(s) for the unit and enter the result by stage in whole dollars. If there has been no previous loss event on the stage during the crop year, MAKE NO ENTRY.

- E. **Current Damage Value:** Transfer entries by stage from section I, column "M." If the stage block does not have damage, MAKE NO ENTRY.
- \*\*\*F. Total Damage Value All Claims: Column "D" plus column "E." If the stage block does not have damage, enter "0."
  - G. Deductible:
    - a. <u>Non-OLO</u>: Transfer entries for the corresponding stage from section I, column "N."
    - b. <u>OLO:</u> MAKE NO ENTRY.

#### H. Remaining Deductible:

- a. <u>Non-OLO:</u> For the corresponding stage, column "G" minus column "F" results in whole dollars. Make the entry and indicate if the entry is positive or negative (e.g., 10 8 = +2," 8 10 = -2," or 8 8 = 0").
- b. <u>OLO</u>: MAKE NO ENTRY.

#### I. Unit Value to Count (100% Share):

- a. <u>Base policy and CTVE without OLO</u>: For the corresponding stage, if the entry in Column "H" is a zero, then transfer the entry from Column "C." If the entry in Column "H" is a positive number, then the entry is columns "C" plus "H" (e.g., 10 + 2 = 12). If the entry in column "H" is a negative number, then the entry is columns "C" plus "H" (e.g., 10 + 2 = 12).
- b. <u>OLO:</u> Column "C" minus Column "F" for each stage.
- 22. **Total:** Total of column "I" entries. This dollar value to count applies to this loss occurrence only. This value is based on 100% share. Item "O," line 15 (after adjusting for any URF) less item 22 is the dollar amount the unit is "short" of the unit value as of the date of this loss event.
- 23. 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. For an absentee insured, enter adjuster's code number ONLY. The signature and date will be entered AFTER the absentee insured has signed and returned the Production Worksheet. Final indemnity inspections should be signed on bottom line.
- 24. 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 Production Worksheet WITH THE INSURED (or the insured's authorized representative), particularly explaining codes, etc., that may not be readily understood. Final indemnity inspections should be signed on the bottom line.
- **25. Page Numbers:** Page numbers (Example: Page 1 of 1, Page 2 of 2, etc.)

					FLC	RIDA FR	UIT TRE	EE PRODU	UCTION	WOR	KSH	IEET					
1 Croj	p/Code #	2 Unit #	3 Legal Des	cription		(For	Illustrat	ion Purp	oses Only	v)	8 N	lame of Insured					
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	207					7 Company		Any Compa	ny		9 C	laim #			11 Cr	op Year	
4 Date of		DEC 19				Agency		Any Agen	су			XXXXX	XX			XX	XX
5 Cause o	f Damage	Freeze				<b>EXAMP</b>	<mark>.E 1:</mark> Ba	se Policy -	– No OLC	<mark>), No</mark>	10 1	Policy #			XXX	XXX	
6 Primary	Cause %	100				Prev	ious Los	s, <mark>No Inde</mark>	mnity Du	e	13 1	Date(s)	1st		2nd		Final
12 Additi	onal Units	00100	00300	00400	)						Noti	ice of Loss	MM/DI	D/YYYY			MM/DD/YYYY
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Field ID	Total Reported Trees	Total Trees (Stage)	SDT	Interest or Share	Rate Class (Stage)	Practice	Type Class Variety	Coverage Level	Type of Loss	Refere Pric	ce	% Damage		Amt. of In Damage or Damage Valu		Unit Deductible	Unit Value (C x I x K)
1 A	1,000	1,000	500	1.000	D01	997	997	.75		18.0	00	.483		<mark>4347</mark>		4500	13,500
2 A	1,000	1,100	400	1.000	D02	997	997	.75		29.0	00	.494		5730 19,530		<mark>7975</mark>	23,925
3 A	3,000	3,000	1,000	1.000	D03	997	997	.75		35.0	00	.558		<mark>19,530</mark>		26,250	78,750
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2 <sup>nd</sup> Inspect	tion	Ι	. M. Adjuster	XXXXX		MM/DD/Y		Inspection		I	I. M. Ir	nsured	Ν	MM/DD/Y	YYY	25. Page	
3rd Inspect	ion	Ι	. M. Adjuster	XXXXX		MM/DD/	YYYY 3 <sup>rd</sup>	Inspection		I	I. M. Ir	nsured	Ν	MM/DD/Y	YYY	1	of 1

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1 Crop	p/Code #	2 Unit #	3 Legal Des	cription		(For I	lustrat	tion Purp	oses Only	V)	8 Nai	me of Insured					
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4 Date of	Damage	DEC 19				Agency		Any Agend	сy			XXXXX	XX			XX	XX
5 Cause of	f Damage	Freeze				EXAMPLE	2: Bas	se Policy <mark>–</mark>	No OLO,	With	10 Pc	olicy #			XXX	XXX	
6 Primary	Cause %	100					Pre	vious Loss			13 Da	ate(s)	1st		2nd		Final
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											14 Co	ompanion Policy(s	;)				
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Field ID	Total Reported Trees	Total Trees (Stage)	SDT	Interest or Share	Rate Class (Stage)	Practice	Type Class Variety	Coverage Level	Type of Loss	Refere Pric		% Damage	×	Amt. of In Damage or Damage Valu		Unit Deductible	Unit Value (C x I x K)
1 A	1,000	1,000	500	1.000	D01	997	997	.75		18.0	0	.483		4347 5730		4500	13,500
2 A	1,000	1,100	400	1.000	D02	997	997	.75		29.0	0	.494		<mark>5730</mark>		<mark>7975</mark>	23,925
3 A	3,000	3,000	1,000	1.000	D03	997	997	.75		35.0	0	.558		<mark>19,530</mark>		26,250	78,750
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	02	AUG	15 <sup>-</sup>	<mark>23,925</mark>		<mark>11,959</mark>		<mark>5730</mark>		<mark>17,689</mark>		<mark>7975</mark>		<mark>- 9714</mark>			14,211
	<mark>03</mark>	AUG		<mark>78,750</mark>		<mark>33,800</mark>		<mark>19,530</mark>		<mark>53,330</mark>		<mark>26,250</mark>		<mark>- 27,080</mark>	<mark>)</mark>		<mark>51,670</mark>
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1 Crop	p/Code #	2 Unit #	3 Legal Des	cription		(For I	lustra	tion Purpo	ses Only	y)	8 Nam	e of Insured					
Orang	ge Trees	00100	SW	<sup>1</sup> / <sub>4</sub> - 12-22-9				•	ľ	,				I. M. Insur	ed		
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4 Date of	Damage	DEC 19				Agency		Any Agenc	у			XXXXX	XXX			XXX	XX
5 Cause of	f Damage	Freeze				EXAMPLE	3: Ba	se Policy –	With OLC	D, No	10 Pol	icy #			XX	XXX	
6 Primary	Cause %	100					Pre	evious Loss			13 Da	te(s)	$1^{st}$		2nd		Final
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Field ID	Total Reported Trees	Total Trees (Stage)	SDT	Interest or Share	Rate Class (Stage)	Practice	Type Class Variety	Coverage Level	Type of Loss	Refere Price	e	% Damage		Damage or Damage Val		Unit Deductible	Unit Value (C x I x K
1 A	1,000	1,000	500	1.000	D01	997	997	.75		18.0	0	.483		<mark>3260</mark>			13,500
2 A	1,000	1,100	400	1.000	D02	997	997	.75	-	29.0	0	.494		<mark>4298</mark>			23,925
3 A	3,000	3,000	1,000	1.000	D03	997	997	.75		35.0	0	.558		<mark>14,648</mark>			78,750
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				<mark>13,500</mark>				<mark>3260</mark>		<mark>3260</mark>							10,240
D	02			<mark>23,925</mark>				<mark>4298</mark>		<mark>4298</mark>							19,627
				<mark>78,750</mark>				<mark>14,648</mark>		<mark>14,648</mark>							<mark>64,102</mark>
roduction V Corporation	Worksheet and , an agency of	l supporting pap the United State	ers are subject to es. I understand t	audit and appro hat any false or	oval by the c inaccurate i	omplete and that it v company. I understa information may res 3730 and other fede	nd that this ult in the sa	crop insurance is s nctions outlined in	ubsidized and r	einsured by	the Fede	ral Crop Insurance		. Total: )0% Share)			<mark>93,969</mark>
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2 <sup>nd</sup> Inspect			. M. Adjuster			MM/DD/YY		<sup>d</sup> Inspection			M. Insu			MM/DD/Y	YYY	25. Page	
Brd Inspecti			. M. Adjuster			MM/DD/Y		<sup>d</sup> Inspection			M. Insu			MM/DD/Y		1	of 1

					FL	ORI	IDA FRU	JIT TR	EE PROI	DUCT	TON V	NOR	KSHE	ЕТ							
1 Cro	p/Code #	2 Unit #	3 Legal De	scription			(For I	llustra	tion Pur	poses	Only	)	8 Nan	ne of Insured							
Orang	ge Trees	00100	SV	/ ¼ - 12-22-	.9					•	v	/				I. M	I. Insured				
0	207	CV				7	Company		Any Con	npany			9 Clai	m #			1	11 Cr	op Year		
4 Date of	Damage	DEC 19					Agency		Any Ag					XXXX	XXXX					XXX	
5 Cause o		Freeze							TVE <mark> – No</mark>				10 Po	2				XXX	XXX	-	
6 Primary	Cause %	100					<u>Base P</u>	olicy <mark>P</mark>	<mark>W</mark> With In	ndemn	nity <mark>Du</mark>	e.	13 Da	te(s)	$1^{st}$		2	2nd			nal
12 Additi	onal Units	00100	00300	0040	00								Notice	of Loss	M	M/DD/Y	YYY			M	M/DD/YYYY
													14 Co	mpanion Polic	y(s)						
SECTIO	1	EAGE APP		1	1					-								-			
А	В	С	D	Е	F		G	Н	Ι	_	J	K	2	L			М		Ν		0
Field ID	Total Reported Trees	Total Trees (Stage)	SDT	Interest or Share	Rate Class (Stage	;	Practice	Type Class Variety	Coverage Level		pe of loss	Refer Pri	ce	% Damage	;	Dan G E Dam	nt. of Ins. nage or age Value	E	Unit Deductibl	e	Unit Value (C x I x K)
2 A	1,000	1,100	<mark>167</mark> 233	1.000	D02		997	<mark>997/001</mark>	.75			15. 20.		1.000		2505 4660 11,000			5500		16,500
3 A	3,000	3,000	550 <mark>450</mark>	1.000	D03		997	<mark>997/001</mark>	.75			20. 30.		1.000			,000 <mark>,500</mark>		22,500		67,500
NADDATI	VE. (If more	e space is need	ad attach a St	anial Daman	t) Fac att	o ob o d	I Daga Daliar	. Duo du otio	w Wowlinhoot	for unit	00100			15. TOTA	I.C.	21	. <mark>665</mark>	-	28,000		84,000
		ection $\div$ \$84,0		<u> </u>				FIOUUCIO	II WOIKSHEEL		00100.			16. OLO I					28,000	_	84,000
\$62,500 am	ount of prot			total colum	10) = .982	URI	•							10. ULU I	VIII VIIVI		x 0.05)				.982
SECTION	N II - ADJ	USTMENTS	TO UNIT	VALUE										17. 0141							.702
	Insurance F				e similar to	other	r farms in the	e area?		20 As	signment	of Inde	mnity			21	Transfer	r of Ri	ight to Ir	demn	ity?
	MM/D	D/YYYY			Yes X	ΧN	No				Yes		No	Х			Yes		No	Х	2
	A	В		С	100		D		Е			F		G	1		Н		1	<u> </u>	T
R Cl (St	ate lass age)	Date of P	revious	Unit Valu (from (	e	Γ	Previous Damage Valu (100% Share)	1e	Current Dam Value (From M)	nage		al Dama All Cla (D+E)	0	Deductible (from N)			emaining eductible (G - F)			alue 7	Jnit Fo Count 5 Share)
D	02			<mark>16,50</mark>	<mark>)O</mark>				<mark>7165</mark>			<mark>7165</mark>		<mark>5500</mark>			- 1665			<mark>14</mark>	<mark>,835</mark>
D	03			<mark>67,50</mark>	<mark>)O</mark>				<mark>24,500</mark>			<mark>24,500</mark>		<mark>22,500</mark>			<mark>- 2000</mark>			<mark>65</mark>	<mark>,500</mark>
Production Corporation	Worksheet and , an agency of		ers are subject to s. I understand	audit and app that any false	proval by the or inaccurate	compa e inforr	any. I underst mation may re	and that this sult in the sa	crop insurance	is subsid	ized and re	insured l	by the Fede	derstand that this eral Crop Insurand , and criminal		22. Tota (100% S				<mark>80</mark>	<mark>,335</mark>
	ter's Signatu		14, / U.S.C. § I	Code #			Date		Insured's S	lionature						Date					
1 <sup>st</sup> Inspect	<u> </u>		. M. Adjuster				MM/DD/Y		Inspection	- 5. autore			I. M. Insu	ired			/DD/YYY	Υ			
2 <sup>nd</sup> Inspect			. M. Adjuster				MM/DD/Y		<sup>d</sup> Inspection				I. M. Insu				/DD/YYY		<mark>25.</mark> Pa	ge	
3 <sup>rd</sup> Inspect			. M. Adjuster				MM/DD/Y		<sup>d</sup> Inspection	1			I. M. Inst			MM	/DD/YYY	Υ	1		of 1

					FLO	RIDA FR	UIT TR	EE PROD	UCTION	WORK	SHEET				
1 Cro	p/Code #	2 Unit #	3 Legal D	escription		(For ]	llustra	ation Purp	oses Only	7)	8 Name of Insured				
Oran	ge Trees	00100	S	W ¼ - 12-22-9				1		,			I. M. Insured		
0	207	CV/OL				7 Company		Any Comp	any		9 Claim#		1	11 Crop Year	
4 Date of		DEC 19				Agency		Any Agen			XXXX	XXX			XXX
5 Cause of		Freeze				EXAMPL	<mark>E 5:</mark> C1	TVE <mark> – With</mark>	<mark>OLO,</mark> Requ		10 Policy #			XXXXX	
6 Primary	Cause %	100				Base I	Policy <mark>F</mark>	<mark>PW</mark> With Inc	lemnity <mark>Dı</mark>	le	13 Date(s)	$1^{st}$	2	2nd	Final
12 Additi	onal Units	00100	00300	00400	)						Notice of Loss	MM/D	D/YYYY		MM/DD/YYYY
											14 Companion Policy	(s)			
SECTIO	7	REAGE APP	,	1		•	-		<del></del>						
А	В	С	D	Е	F	G	Н	Ι	J	K	L		М	N	0
Field ID	Total Reported Trees	(Stage)	SDT 167	Interest or Share	Rate Class (Stage)	Practice	Type Class Variety	_	Type of Loss	Referent Price 15.00	% Damage		Amt. of Ins. Damage or Damage Value	Unit Deductible	Unit Value (C x I x K)
2 A	1,000	1,100	233	1.000	D02	997	<mark>997/001</mark>	<mark>1</mark> .75		20.00			3495		16,500
3 A	1,000	1,100	550 450	1.000	D03	997	<mark>997/00</mark> 1	<mark>1</mark> .75		20.00 30.00	1 000		8250 10,125	_	67,500
														-	
NADDATI	VE. (If mo		ad attack a	Emocial Banant)	Cas atta	abad Daga Dalia	u Deo du otiv	on Worksheet fo	r unit 00100		15. TOTAI	ç.	<mark>23,749</mark>		84,000
		<u>.</u>		<u> </u>				X .05 = \$4,200 C			15. TOTAL				4200
φ0 <b>2</b> ,500 μΠ	ioune of pre		oo unit vuide	(total column	0) = 1902 (	JRI : 401,000 t	int varae z	1.00 - 01,200 C			10: 010 M		(0 x 0.05)		.982
SECTION	N II - AD.	JUSTMENTS	5 TO UNIT	VALUE											
	f Insurance				similar to o	other farms in th	e area?	2	20 Assignmen	t of Indem	nity		21 Transfer	r of Right to Ind	emnity?
	MM/I	DD/YYYY			Yes X	No			Yes	3	No X		Yes	No	Х
	A	В		С		D		E	<u> </u>	F	G		H		T
R C (St	ate lass age)	Date of P Los	revious	Unit Value (from O)		Previous Damage Val (100% Share)		Current Damag Value (From M)		al Damage e All Clain (D+E)			Remaining Deductible (G - F)		Unit lue To Count 00% Share)
L L	<mark>002</mark>			<mark>16,500</mark>				<mark>5374</mark>		<mark>5374</mark>					<mark>11,126</mark>
E	<mark>)03</mark>			<mark>67,500</mark>				<mark>18,375</mark>		<mark>18,375</mark>					<mark>49,125</mark>
Production Corporation	Worksheet a	nd supporting pape	ers are subject es. I understand	to audit and appr d that any false of	oval by the c r inaccurate i	ompany. I unders nformation may re	tand that this esult in the s	s crop insurance is anctions outlined in	subsidized and r	einsured by	op. I understand that this the Federal Crop Insurance ve, civil, and criminal		Total: 0% Share)		<mark>60,251</mark>
	ter's Signat			Code #		Date		4. Insured's Sig	nature				Date		
1 <sup>st</sup> Inspect	<u> </u>		. M. Adjuster			MM/DD/Y		st Inspection		I. 1	M. Insured		MM/DD/YYY	YY	
2 <sup>nd</sup> Inspec			. M. Adjuster			MM/DD/Y		nd Inspection			M. Insured		MM/DD/YYY	YY 25. Page	
000 Inspe			. M. Adjuster			MM/DD/Y	YYYY 3	rd Inspection		I. 1	M. Insured		MM/DD/YYY	Y 1	0 1

## 9. REFERENCE MATERIAL

## TABLE A - MINIMUM SAMPLE REQUIREMENTS FOR REPRESENTATIVE SAMPLES

NUMBER OF TREES OF THE STAGE-BLOCK IN SDT:	MINIMUM TREE SAMPLE (Round up to next whole tree) the greater of:
Less than 100	5 trees or 10 percent
100 to 999	10 trees or 5 percent
1,000 to 4,999	50 trees or 2 percent
5,000 or more	100 trees or 1 percent

## **TABLE B – PARTIAL DAMAGE FACTORS**

Сгор	Stage	Partial Damage Factor
Citrus		
	Stage I	0.750
	Stage II	0.470
	Stage III	0.390
Avocado/Mango		
	Stage I	0.680
	Stage II	0.460
	Stage III	0.380
Carambola		
	Stage I	0.480
	Stage II	0.360
	Stage III	0.300
Lime		
	Stage I	0.540
	Stage II	0.360
	Stage III	0.310

## TABLE C – SETTING DISTANCES/APPROXIMATE NUMBER OF TREES PER ACRE

Trees Per Acre	Square Feet Per Tree	Setting Distances in Feet	Trees Per Acre	Setting Distances in Feet	Trees Per Acre	Setting Distances in Feet	Trees Per Acre
Under 50	881 & Over	40 X 40	27	35 X 35	36	30 X 33	44
		36 X 42	29	33 X 34	39	25 X 40	44
		35 X 40	31	30 X 36	40	30 X 32	45
		34 X 38	34	30 X 35	41	30 X 31	47
		30 X 34	36	32 X 32	43	30 X 30	48
50 to 59	880 to 773	25 X 35	50	20 X 40	54	28 X 28	56
		27 X 32	50	27 X 30	54	23 X 33	57
		28 X 30	52	25 X 32	54	25 X 30	58
		29 X 29	52	23 X 35	54	26 X 29	58
		22 X 37	54	26 X 30	56	24 X 31	59
60 to 69	732 to 627	27 X 27	60	23 X 30	63	22 X 30	66
		25 X 29	60	20 X 34	64	25 X 26	67
		26 X 28	60	26 X 26	64	18 X 36	67
		20 X 35	62	24 X 28	65	23 X 28	68
		26 X 27	62	25 X 27	65	21 X 30	69
70 to 79	626 to 548	25 X 25	70	22 X 27	73	23 X 25	76
		24 X 26	70	23 X 26	73	24 X 24	76
		22 X 28	71	17 X 34	75	20 X 28	78
		21 X 29	72	19 X 30	76	22 X 25	79
		20 X 30	73	22 X 26	76	23 X 24	79
80 to 89	547 to 487	21 X 26	80	22 X 24	83	18 X 28	86
		18 X 30	81	20 X 26	84	21 X 24	86
		20 X 27	81	15 X 34	85	22 X 23	86
		23 X 23	82	16 X 32	85	20 X 25	87
		19 X 28	82	17 X 30	85	19 X 26	88
90 to 99	486 to 438	18 X 27	90	16 X 30	91	19 X 24	96
		21 X 23	90	17 X 28	92	15 X 30	97
		22 X 22	90	21 X 22	94	18 X 25	97
		15 X 32	91	17 X 27	95	20 X 22	99
		20 X 24	91	20 X 23	95	21 X 21	99
100 &	437 & LESS	19 X 23	100	16 X 26	105	18 X 20	121
OVER		15 X 29	100	15 X 27	108	19 X 19	121
		18 X 24	101	20 X 20	109	16 X 22	124
		16 X 27	101	18 X 22	110	18 X 19	127
		17 X 25	102	14 X 28	111	17 X 20	128
		14 X 30	104	15 X 25	116	13 X 26	129

Setting Distances in Feet	Trees Per Acre	Setting Distances in Feet	Trees Per Acre	Setting Distances in Feet	Trees Per Acre	Setting Distances in Feet	Trees Per Acre
7.5 X 20	290	12.5 X 20	174	16 X 20	136	22 X 22	90
7.5 X 22	264	12.5 X 22	158	16 X 22	124	22 X 23	86
7.5 X 23	253	12.5 X 23	152	16 X 23	118	22 X 24	83
7.5 X 24	242	12.5 X 24	145	16 X 24	113	22 X 25	79
7.5 X 25	232	12.5 X 25	139	16 X 25	109	22 X 27	73
7.5 X 27	215	12.5 X 27	129	16 X 27	101	22 X 28	71
7.5 X 28	207	12.5 X 28	124	16 X 28	97	22 X 30	66
7.5 X 30	194	12.5 X 30	116	16 X 30	91		
						23 X 23	82
10 X 20	218	13 X 20	168	17 X 20	128	23 X 24	79
10 X 22	198	13 X 22	152	17 X 22	116	23 X 25	76
10 X 23	189	13 X 23	146	17 X 23	111	23 X 27	70
10 X 24	182	13 X 24	140	17 X 24	107	23 X 28	68
10 X 25	174	13 X 25	134	17 X 25	102	23 X 30	63
10 X 27	161	13 X 27	124	17 X 27	95		
10 X 28	156	13 X 28	120	17 X 28	92	24 X 24	76
10 X 30	145	13 X 30	112	17 X 30	85	24 X 25	73
						24 X 27	67
11 X 20	198	14 X 20	156	18 X 20	121	24 X 28	65
11 X 22	180	14 X 22	141	18 X 22	110	24 X 30	61
11 X 23	172	14 X 23	135	18 X 23	105		
11 X 24	165	14 X 24	130	18 X 24	101	25 X 25	70
11 X 25	158	14 X 25	124	18 X 25	97	25 X 27	65
11 X 27	145	14 X 27	115	18 X 27	90	25 X 28	62
11 X 28	141	14 X 28	111	18 X 28	86	25 X 30	58
11 X 30	132	14 X 30	104	18 X 30	81		
						27 X 27	60
12 X 20	182	15 X 20	145	20 X 20	109	27 X 28	58
12 X 22	165	15 X 22	132	20 X 22	99	27 X 30	54
12 X 23	158	15 X 23	126	20 X 23	95		
12 X 24	151	15 X 24	121	20 X 24	91	28 X 28	56
12 X 25	145	15 X 25	116	20 X 25	87	28 X 30	52
12 X 27	134	15 X 27	108	20 X 27	81		
12 X 28	130	15 X 28	104	20 X 28	78	30 X 30	48
12 X 30	121	15 X 30	97	20 X 30	73		

 TABLE C (Continued)