

Exhibit Name: Indemnity Calculations  
 Exhibit Number: P21-4, Plan 40  
 Record Name: Acreage Claim  
 Record Code: P21

Reinsurance Year: 2024  
 Version: Draft  
 Release Date: 9/29/2023

<b>Insurance Plan Code</b>	40 Tree Based Dollar Amount of Insurance			
<b>Commodity Code</b>	0024 Macadamia Trees	0208 Grapefruit Trees	0212 Avocado Trees	0266 Coffee Trees
	0184 Apple Trees	0209 Lemon Trees	0213 Carambola Trees	0267 Papaya Trees
	0192 Tangelo Trees	0210 Lime Trees	0214 Mango Trees	0284 Pecan Trees
	0193 Tangerine Trees	0211 All other Citrus Trees	0265 Banana Trees	0308 Mandarin/Tangerine Trees
	0207 Orange Trees		0270 Grapevine	

<u>Calculations</u>	<u>Field Name</u>	<u>Record Number</u>	<u>Field Number</u>	<u>Field Format</u>	<u>Field Rounding</u>	<u>Rules</u>
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Section 1: Loss Guarantee Calculation (all loss data reported at 'unit level')

No CTVE Loss data should be submitted unless a Base Policy Loss has been previously paid.

<b>Apple Trees, Florida Trees and Texas Citrus Trees Commodity Codes</b>  Loss Guarantee Amount = $\frac{\text{Determined Tree Count} * \text{Coverage Level Percent} * \text{Price Election Amount}}{\text{Liability Adjustment Factor}}$	Loss Guarantee Amount	P21	64	99999999.99	Round to whole number	
	Determined Tree Count	P21	19	9999999999	None	Tree count by growth stage.
	Coverage Level Percent	P14	34	9.9999	None	
	Price Election Amount	P11	45	9999.9999	None	Price Election Amount for growth stage and endorsement if applicable.
	Liability Adjustment Factor	P21	39	9.999999	None	Set to 1.000000 for all Insurance Plan 40 commodities.
<b>Hawaii Tropical Trees:</b>  Loss Guarantee Amount = $\frac{\text{Determined Tree Count} * \text{Coverage Level Percent} * \text{Price Election Amount} * \text{Yield Conversion Factor}}{\text{Liability Adjustment Factor}}$	Loss Guarantee Amount	P21	64	99999999.99	Round to whole number	
	Determined Tree Count	P21	19	9999999999	None	Tree count by growth stage.
	Coverage Level Percent	P14	34	9.9999	None	
	Price Election Amount	P11 (Internal)	45	9999.9999	None	Price Election Amount for growth stage and endorsement if applicable.
	Liability Adjustment Factor	P21	39	9.999999	None	Set to 1.000000 for all Insurance Plan 40 commodities.
	Yield Conversion Factor	P11	59	9.999	None	For Macadamia Trees, "0024", set to 1.00.
<b>Grapevine (0270):</b>  Loss Guarantee Amount = $\frac{\text{Determined Tree Count} * \text{Coverage Level Percent} * \text{Price Election Amount}}{\text{Liability Adjustment Factor}}$	Loss Guarantee Amount	P21	67	99999999.99	Round to whole number	
	Determined Tree Count	P21	19	9999999999	None	Use Vine Count by growth stage.
	Price Election Amount	P11	45	9999.9999	None	Vine Reference Price for the growth stage multiplied by the Price Election Percent.

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**Section 2: Indemnity Calculation**

<b>All Trees:</b>  $\text{Unit Deficiency Quantity} = \frac{\text{Loss Guarantee Amount} - \text{Production to Count Quantity}}{\text{Quantity}}$	Unit Deficiency Quantity	P21	63	S99999999.99	Round to whole number	
	Production to Count Quantity	P21	34	99999999.99	None	Production To Count Quantity corresponds with Unit Value to Count from the Production Worksheet (by stage).
<b>Apple Trees, "0184":</b>  $\text{Preliminary Indemnity Amount} = \frac{\text{Unit Deficiency Quantity} * \text{Underreport Factor} * \text{Insured Share Percent}}{\text{Insured Share Percent}}$	Preliminary Indemnity Amount	P21	66	S9999999999	Round to whole number	Preliminary Indemnity with OLO: calculate Percent of Damage Value Due to Destroyed Trees + Percent of Damage Due to Fully Damaged Trees (round to two decimal places). If Amount of Insured Damage < or = 5% (10% for Fire Blight), No Indemnity is Due. See CTV Endorsement for limitations for Indemnity if CTVE is applicable.
	Underreport Factor (URF)	P21	46	9.999	None	Underreporting Factor (3 decimal places) will be reported in Misreported Information Factor field.
	Insured Share Percent	P11	43	9.9999	None	
<b>Texas Citrus Trees Commodity Codes "0193", "0207", "0208", "0209" or "0210":</b>  $\text{Preliminary Indemnity Amount} = \frac{\text{Unit Deficiency Quantity} * \text{Underreport Factor} * \text{Insured Share Percent}}{\text{Insured Share Percent}}$	Preliminary Indemnity Amount	P21	66	S9999999999	Round to whole number	Preliminary Indemnity with OLO: calculate Percent of Damage Value Due to Destroyed Trees + Percent of Damage Due to Fully Damaged Trees (round to two decimal places). If Amount of Insured Damage < or = 5%, No Indemnity is Due. See CTV Endorsement for limitations fo Indemnity if CTVE is applicable.
	Underreport Factor (URF)	P21	46	9.999	None	Underreporting Factor (3 decimal places) will be reported in Misreported Information Factor field.
	Insured Share Percent	P11	43	9.9999	None	

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<b>Hawaii Tropical Trees:</b>  $\text{Preliminary Indemnity Amount} = \frac{\text{Unit Deficiency Quantity} * \text{Insured Share Percent}}{\text{Underreport Factor}}$	Preliminary Indemnity Amount	P21	Internal	S999999999	Round to whole number	Preliminary Indemnity with OLO: calculate Percent of Damage Value Due to Destroyed Trees + Percent of Damage Due to Fully Damaged Trees (round to two decimal places). If Amount of Insured Damage < or = 3%, No Indemnity is Due. See CTV Endorsement for limitations of Indemnity if CTVE is applicable.
	Insured Share Percent	P11	43	9.9999	None	
	Underreport Factor (URF)	P21	46	9.999	None	Underreporting Factor (3 decimal places) will be reported in Misreported Information Factor field.
<b>Florida Trees:</b>  $\text{Preliminary Indemnity Amount} = \frac{\text{Unit Deficiency Quantity} * \text{Underreporting Factor}}{\text{Insured Share Percent}}$	Preliminary Indemnity Amount	P21	66	S999999999	Round to whole number	Preliminary Indemnity with OLO: calculate Percent of Damage Value Due to Destroyed Trees + Percent of Damage Due to Fully Damaged Trees (round to two decimal places). If Amount of Insured Damage < or = 5%, No Indemnity is Due. See CTV Endorsement for limitations fo Indemnity if CTVE is applicable.
	Underreporting Factor (URF)	P21	46	9.999	None	Underreporting Factor (3 decimal places) will be reported in Misreported Information Factor field.
	Insured Share Percent	P11	43	9.9999	None	
<b>Pecan Trees (0284):</b>  $\text{Preliminary Indemnity Amount} = \frac{\text{Unit Deficiency Quantity} * \text{Underreporting Factor}}{\text{Insured Share Percent}}$	Preliminary Indemnity Amount	P21	66	S999999999	Round to whole number	Preliminary Indemnity with OLO: calculate Percent of Damage Value Due to Destroyed Trees + Percent of Damage Due to Fully Damaged Trees (round to two decimal places). If Amount of Insured Damage < or = 10%, No Indemnity is Due. See CTV Endorsement for limitations fo Indemnity if CTVE is applicable.
	Underreporting Factor (URF)	P21	46	9.999	None	Underreporting Factor (3 decimal places) will be reported in Misreported Information Factor field.
	Insured Share Percent	P11	43	9.9999	None	

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Grapevine (0270):  Preliminary Indemnity Amount = $\frac{\text{Unit Deficiency Quantity} * \text{Underreported Factor}}{\text{Insured Share Percent}}$	Preliminary Indemnity Amount	P21	66	S9999999999	Round to whole number	Preliminary Indemnity with OLO: calculate Percent of Damage Value Due to Destroyed Vines (round to <b>three</b> decimal places).  If Amount of Insured Damage < or = 5%, no indemnity is due.
Indemnity Amount = $\frac{\text{Preliminary Indemnity Amount} * \text{Multiple Commodity Adjustment Factor}}$	Indemnity Amount	P21	67	S9999999999	Round to whole number	AIP Indemnity may be reduced if trees are considered destroyed and CTVE was selected (Insurance Option Codes "CV or OX"). Sum of AIP Indemnities for a unit cannot exceed Unit Liability. See CTV Endorsement for limitations of Indemnity if CTVE is applicable.
	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
When Insurance Plan Code is Dollar Amount of Insurance, "40", and Texas Citrus Trees Commodity Code is "0193", "0207", "0208", "0209" or "0210" and CEO Coverage Level is greater than zero:  CEO Indemnity Factor = $\frac{\text{CEO Coverage Level}}{\text{Coverage Level Percent}}$	CEO Indemnity Factor	Internal		9.99999	Round to 5 Decimals	
	CEO Coverage Level Percent	P11	62	9.9999	None	
	Coverage Level Percent	P14	34	9.9999	None	
Indemnity Amount = Indemnity Amount * CEO Indemnity Factor	Indemnity Amount	P21	67	S9999999999	Round to whole number	