

Exhibit Name: Premium Calculation Exhibit Number: P11-5, Plan 47 Record Name: Acreage Record Code: P11						
Reinsurance Year: 2015 Version: Approved Release Date: 7/1/2014						
Insurance Plan Code 47 Actual Revenue History						
Commodity Code 0057 Cherries 0154 Strawberries 0227 Oranges						
Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Section 1: Liability Calculation						
Approved Yield * Expected Revenue Factor * Coverage Acre Guarantee Quantity = Level Percent * Price Election Percent * Insured Share Percent	Acre Guarantee Quantity	P11	103	99999999.99	Round to whole number.	
	Approved Yield	P11	43	99999999.99	None	
	Expected Revenue Factor	ADM		9.9999	None	Edit with ADM Price "A00810"
	Coverage Level Percent	P14	34	9.9999	None	
	Price Election Percent	ICE		9.9999	None	Payment Factor. Edit with ICE Price Election Percent, "D00007".
	Insured Share Percent	P11	44	9.999	None	
Total Guarantee Amount = Acre Guarantee Quantity * Reported Acreage	Total Guarantee Amount	P11	100	99999999.99	Round to whole number.	
	Reported Acreage	P11	49	999999.99	None	Reported Acreage must equal the sum of all Land, P27, Reported Acreage.
Liability Amount = Total Guarantee Amount	Liability Amount	P11	91	9999999999	Round to whole number.	
Unadjusted Approved Revenue Amount = Expected Revenue Factor * Rate Yield	Unadjusted Approved Revenue Amount	Internal		99999999	Round to whole number.	
	Expected Revenue Factor	ADM		9.9999	None	Edit with ADM Price "A00810"
	Rate Yield	P15	35	99999999.99	None	
Section 2: Base Premium Rate Calculation						
Current Year Yield Ratio = Rate Yield / Reference Revenue	Current Year Yield Ratio	Internal		9999999.99	Round to 2 decimals.	Cup at 0.50 and Cap at 1.50.
	Rate Yield	P15	35	99999999.99	None	
	Reference Revenue	ADM		99999.99	None	Edit with ADM Base Rate, "A01010" Reference Amount.
Prior Year Yield Ratio = Rate Yield / Prior Year Reference Revenue	Prior Year Yield Ratio	Internal		9999999.99	Round to 2 decimals.	
	Rate Yield	P15	35	99999999.99	None	
	Prior Year Reference Revenue	ADM		99999.99	None	Edit with ADM Base Rate, "A01010" Prior Year Reference Amount.
Current Year Rate Multiplier = Current Year Yield Ratio ^ Exponent Value	Current Year Rate Multiplier	Internal		9999.99999999	Round to 8 decimals.	
	Exponent Value	ADM		\$99.999	None	Edit with ADM Base Rate, "A01010".
Prior Year Rate Multiplier = Prior Year Yield Ratio ^ Prior Year Exponent Value	Prior Year Rate Multiplier	Internal		999999.99999999	Round to 8 decimals.	
	Prior Year Exponent Value	ADM		\$99.999	None	Edit with ADM Base Rate, "A01010".

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Commodity Code							0057 Cherries 0154 Strawberries 0227 Oranges						
Calculations		Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules						
Current Year Base Rate =	When Rate Method Code equals Fixed Rate "F":	Current Year Base Rate	Internal		999999999.99999	Round to 8 decimals.							
	Sub County Rate												
	When Rate Method Code equals Additive "A":	Sub County Rate	ADM		99.9999	None	Edit with ADM Sub County Rate, "A01050".						
	Sub County Rate + (Current Year Rate Multiplier * Reference Rate + Fixed Rate)												
	When Rate Method Code equals Multiplicative "M":	Reference Rate	ADM		9.9999	None	Edit with ADM Base Rate, "A01010".						
	Sub County Rate * (Current Year Rate Multiplier * Reference Rate + Fixed Rate)												
	Otherwise:	Fixed Rate	ADM		9.9999	None	Edit with ADM Base Rate, "A01010".						
	Current Year Rate Multiplier * Reference Rate + Fixed Rate												
Prior Year Base Rate =	When Rate Method Code equals Fixed Rate, "F":	Prior Year Base Rate	Internal		999999.99999999	Round to 8 decimals.							
	Sub County Rate												
	When Rate Method Code equals Additive, "A":	Sub County Rate	ADM		9.9999	None	Edit with ADM Sub County Rate, "A01050".						
	Sub County Rate + (Prior Year Rate Multiplier * Prior Year Reference Rate + Prior Year Fixed Rate)												
	When Rate Method Code equals Multiplicative, "M":	Prior Year Reference Rate	ADM		9.9999	None	Edit with ADM Base Rate, "A01010".						
	Sub County Rate * (Prior Year Rate Multiplier * Prior Year Reference Rate + Prior Year Fixed Rate)												
	Otherwise:	Prior Year Fixed Rate	ADM		9.9999	None	Edit with ADM Base Rate, "A01010".						
	Prior Year Rate Multiplier * Prior Year Reference Rate + Prior Year Fixed Rate												
Current Year Base Premium Rate = Current Year Base Rate * Rate Differential Factor * Unit Residual Factor	Current Year Base Premium Rate	Internal			999999999.99999999	Round to 8 decimals.							
	Rate Differential Factor	ADM			9.99999999	None	Edit with ADM Coverage Level Differential, "A01040".						
	Unit Residual Factor	ADM			9.999	None	Edit with ADM Coverage Level Differential, "A01040".						

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<u>Insurance Plan Code</u>		47 Actual Revenue History				
<u>Commodity Code</u>		0057 Cherries	0154 Strawberries	0227 Oranges		
<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>
Prior Year Base Premium = Prior Year Base Rate * Prior Year Rate Differential Rate = Factor * Prior Year Residual Factor * 1.2		Prior Year Base Premium Rate	Internal		999999.99999999	Round to 8 decimals.
		Prior Year Rate Differential Factor	ADM		9.99999999	Edit with ADM Coverage Level Differential, "A01040".
		Prior Year Unit Residual Factor	ADM		9.999	Edit with ADM Coverage Level Differential, "A01040". When Unit Structure Code equals "OU" or "BU", then Prior Year Unit Residual Factor. When Unit Structure Code equals "EU", then Prior Year Enterprise Unit Residual Factor.
Base Premium Rate = MIN (Current Year Base Premium Rate, Prior Year Base Premium Rate, or .999)		Base Premium Rate	P11	94	9.99999999	Round to 8 decimals. Edit with ADM Base Rate, "A01010".
Section 3: Optional Coverage Calculation						
Additive Optional Rate = Adjustment Factor When Rate Method Code = A SUM (Option Rate(s)) * Rate Differential Factor		Additive Optional Rate Adjustment Factor	Internal		999999.9999	Round to 4 decimals.
		Option Rate	ADM		9.9999	Edit with ADM Option Rate, "A01060".
		Rate Differential Factor	ADM		9.99999999	Edit with ADM Coverage Level Differential, "A01040".
Multiplicative Optional Rate Adjustment Factor = Product (Option Rate(s)) When Rate Method Code equals Multiplicative, "M":		Multiplicative Optional Rate Adjustment Factor	Internal		999999.9999	Round to 4 decimals.
		Option Rate	ADM		9.9999	Edit with ADM Option Rate, "A01060".

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Section 4: Premium Rate						The Premium Rate for ALL Unit Structures should be capped at .999 in the event various adjustments to the Base Premium Rate would cause it to exceed 1.0.
Premium Rate $\text{Premium Rate} = \text{Base Premium Rate} * \text{Unit Structure Discount Factor} * \text{Multiplicative Optional Rate Adjustment Factor} + \text{Additive Optional Rate Adjustment Factor}$	Premium Rate	Internal		9999999999.99999999	Round to 8 decimals.	Premium Rate is capped at 0.99900000.
	Unit Structure Discount Factor	ADM		9.999	None	Edit with ADM Unit Discount, "A01090". When Unit Structure Code equals "OU", "UA", or "UD", then Unit Structure Discount Factor equals Optional Unit Discount Factor. When Unit Structure Code equals "BU", then Unit Structure Discount Factor equals Basic Unit Discount Factor.
Section 5: Total Premium, Subsidy, and Producer Premium Calculation						
$\text{Preliminary Total Premium Amount} = \frac{\text{Liability Amount} * \text{Premium Rate} * \text{Experience Factor}}{\text{Premium Surcharge Percent}}$	Preliminary Total Premium Amount	Internal		9999999999	Round to whole number	
	Experience Factor	P11	48	9.999	None	Must be a value between minimum and maximum on ICE, "D10023".
	Premium Surcharge Percent	Internal		9.99	None	When Surcharge Applied Flag equals "Y", then Premium Rate Surcharge must equal 1.05, otherwise must equal 1.00.
$\text{Total Premium Amount} = \text{Preliminary Total Premium Amount} * \text{Multiple Commodity Adjustment Factor}$	Total Premium Amount	P11	92	9999999999	Round to whole number.	
	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
$\text{Subsidy Amount} = \text{Total Premium Amount} * \text{Subsidy Percent}$	Subsidy Amount	P11	90	9999999999	Round to whole number.	If this record qualifies for Beginning Farmer and Rancher or Native Sod, see Section 6 for subsidy calculations.
	Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070".
$\text{Producer Premium Amount} = \text{Total Premium Amount} - \text{Subsidy Amount}$	Producer Premium Amount	P11	93	9999999999	Round to whole number.	

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Section 6: Beginning Farmer and Rancher (BFR) and Native Sod (NS) Subsidy Calculations						
Base Subsidy Amount = Total Premium Amount * Subsidy Percent	Base Subsidy Amount	Internal		9999999999	Round to whole number	Cupped by the standard rule of \$1 if applicable.
	Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070".
BFR Subsidy Amount = Total Premium Amount * 0.10	BFR Subsidy Amount	Internal		9999999999	Round to whole number	Beginning Farmer Rancher Subsidy Amount. If Applicable; else 0. 0.10 (10%).
Native Sod Subsidy Amount = Total Premium Amount * 0.50	Native Sod Subsidy Amount	Internal		9999999999	Round to whole number	If Applicable; else 0. 0.50 (50%). For CAT coverage, Native Sod Subsidy Amount is always 0.
Subsidy Amount = Base Subsidy Amount + BFR Subsidy Amount - Native Sod Subsidy Amount	Subsidy Amount	P11	90	9999999999	Round to whole number	Subsidy Amount cannot exceed Total Premium Amount. Subsidy Amount will be cupped at \$0.
Producer Premium Amount = Total Premium Amount - Subsidy Amount	Producer Premium Amount	P11	93	9999999999	Round to whole number	