Exhibit Name: Premium Calculation **Exhibit Number:** P11-5, Plan 47

Record Name: Acreage Record Code: P11 Reinsurance Year: 2013 Version: Approved Release Date: 12/18/2017

Edit with ADM Base Rate, "A01010".

<u>Insurance Plan Code</u> 47 Actual Revenue History

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Commodity Code 0057 Cherries 0154 Strawberries	0215 Navel Oranges							
Calculations	Field	Record	Field	<u>Field</u>	<u>Field</u>			
	<u>Name</u>	Number	<u>Number</u>	<u>Format</u>	Rounding	<u>Rules</u>		
ection 1: Liability Calculation								
Approved Yield * Expected Revenue Factor * Coverage Acre Guarantee Quantity = Level Percent * Price Election Percent * Insured Share Percent	Acre Guarantee Quantity	P11	100	99999999.99	Round to whole number.			
	Approved Yield	P11	46	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	47	9.999	None			
Total Guarantee Amount = Acre Guarantee Quantity * Reported Acreage	Total Guarantee Amount	P11	97	99999999.99	Round to whole number.			
	Reported Acreage	P11	52	999999.99	None	Reported Acreage must equal the sum of all Land, P27, Reported Acreage.		
Liability Amount = Total Guarantee Amount	Liability Amount	P11	88	999999999	Round to whole number.			
Unadjusted Approved Revenue Amount = Expected Revenue Factor * Rate Yield	Unadjusted Approved Revenue Amount	Internal		9999999	Round to whole number.			
	Expected Revenue Factor	ADM		9.9999	None	Edit with ADM Price "A00810"		
	Rate Yield	P15	35	99999999.99	None			
ection 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 Yea Refernce 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		999999.9999999	Round to 8 decimals.			
	Prior Year Exponent Value	ADM		S99,999	None	Edit with ADM Base Rate, "A01010".		

ADM

\$99.999

None

Prior Year Exponent Value

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Exhibit Name: Premium Calculation Exhibit Number: P11-5, Plan 47

Record Name: Acreage Record Code: P11

Reinsurance Year: 2013 Version: Approved Release Date: 12/18/2017

Insurance Plan Code 47 Actual Revenue History

Commodity Code	0057 Cherries 0154 Strawberries	0215 Navel Oranges								
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	Rules			
Current Year Base Rate =	When Rate Method Code equals Fixed Rate "F": Sub County Rate	Current Year Base Rate	Internal		999999999999999	Round to 8 decimals.				
	When Rate Method Code equals Additive "A": Sub County Rate + (Current Year Rate Multiplier * Reference Rate + Fixed Rate)	Sub County Rate	ADM		99.9999	None	Edit with ADM Sub County Rate, "A01050".			
	When Rate Method Code equals Multiplicative"M": Sub County Rate * (Current Year Rate Multiplier * Reference Rate + Fixed Rate)	Reference Rate	ADM		9.9999	None	Edit with ADM Base Rate, "A01010".			
	Otherwise: Current Year Rate Multiplier * Reference Rate + Fixed Rate	Fixed Rate	ADM		9.9999	None	Edit with ADM Base Rate, "A01010".			
Prior Year Base Rate =	When Rate Method Code equals Fixed Rate, "F": Sub County Rate	Prior Year Base Rate	Internal		999999.99999999	Round to 8 decimals.				
	When Rate Method Code equals Additive, "A": Sub County Rate + (Prior Year Rate Multiplier * Prior Year Reference Rate + Prior Year Fixed Rate)	Sub County Rate	ADM		9.9999	None	Edit with ADM Sub County Rate, "A01050".			
	When Rate Method Code equals Multiplicative, "M": Sub County Rate * (Prior Year Rate Multiplier * Prior Year Reference Rate + Prior Year Fixed Rate)	Prior Year Reference Rate	ADM		9.9999	None	Edit with ADM Base Rate, "A01010".			
	Otherwise: Prior Year Rate Multiplier * Prior Year Reference Rate + Prior Year Fixed Rate	Prior Year Fixed Rate	ADM		9.9999	None	Edit with ADM Base Rate, "A01010".			
Current Year Base Premium Rate	Current Year Base Rate * Rate Differential Factor * Unit Residual Factor	Current Year Base Premium Rate	Internal		99999999999999999	Round to 8 decimals.				
		Rate Differential Factor	ADM		9.9999999	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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Record Name: Acreage
Record Code: P11

Reinsurance Year: 2013 Version: Approved Release Date: 12/18/2017

Insurance Plan Code 47 Actual Revenue History **Commodity Code** 0057 Cherries 0154 Strawberries 0215 Navel Oranges Field Record **Field** <u>Field</u> Field **Calculations** Name <u>Number</u> Number **Format** Rounding Rules Prior Year Base Premium Rate Internal 999999,99999999 Round to 8 decimals. Edit with ADM Coverage Level Differential, Prior Year Rate Differential Factor ADM 9.9999999 None "A01040". Edit with ADM Coverage Level Differential, Prior Year Base Premium _ Prior Year Base Rate * Prior Year Rate Differential Factor "A01040". Rate * Prior Year Residual Factor * 1.2 When Unit Structure Code equals "OU" or "BU", Prior Year Unit Residual Factor ADM 9.999 None 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 P11 91 9.9999999 Base Premium Rate Round to 8 decimals. Edit with ADM Base Rate, "A01010". Premium Rate, or .999) Section 3: Optional Coverage Calculation Additive Optional Rate 999999.9999 Internal Round to 4 decimals. When Rate Method Code = A Adjustment Factor Additive Optional Rate _ Option Rate ADM 9.9999 None Edit with ADM Option Rate, "A01060". Adjustment Factor SUM (Option Rate(s)) * Rate Differential Factor Edit with ADM Coverage Level Differential, 9.99999999 Rate Differential Factor ADM None "A01040". Multiplicative Optional Rate When Rate Method Code equals Multiplicative, "M": Internal 999999.9999 Round to 4 decimals. Multiplicative Optional = Adjustment Factor Rate Adjustment Factor Product (Option Rate(s)) ADM 9.9999 None Edit with ADM Option Rate, "A01060". Option Rate

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Exhibit Name: Premium Calculation Exhibit Number: P11-5, Plan 47

Record Name: Acreage Record Code: P11 Reinsurance Year: 2013

Version: Approved

Release Date: 12/18/2017

Insurance Plan Code 47 Actual Revenue History **Commodity Code** 0057 Cherries 0154 Strawberries 0215 Navel Oranges Field Record <u>Field</u> Field Field **Calculations** Name <u>Number</u> <u>Number</u> **Format** Rounding Rules The Premium Rate for ALL Unit Structures should be capped at .999 in the event various Section 4: Premium Rate adjustments to the Base Premium Rate would cause it to exceed 1.0. 9999999999999999 Round to 8 decimals. Premium Rate is capped at 0.99900000. Premium Rate Internal Edit with ADM Unit Discount, "A01090". Base Premium Rate * Unit Structure Discount Factor * When Unit Structure Code equals "OU", "UA", or Premium Rate = Multiplicative Optional Rate Adjustment Factor+ "UD", then Unit Structure Discount Factor equals Additive Optional Rate Adjustment Factor Optional Unit Discount Factor. Unit Structure Discount Factor ADM 9.999 None 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 **Preliminary Total Premium** 999999999 Internal Round to whole number Amount Must be a value between minimum and Preliminary Total Premium _ Liability Amount * Premium Rate * Experience Factor * P11 9.999 **Experience Factor** 51 None maximum on ICE, "D10023". Amount Premium Surcharge Percent When Surcharge Applied Flag equals "Y", then Premium Surcharge Percent Internal 9.99 None Premium Rate Surcharge must equal 1.05, otherwise must equal 1.00. P11 Total Premium Amount 89 999999999 Round to whole number. Preliminary Total Premium Amount * Multiple **Total Premium Amount** Multiple Commodity Adjustment Commodity Adjustment Factor. ICE 9999.999 Edit with ICE Multiple Cropping, "D00063". None Subsidy Amount P11 87 999999999 Round to whole number. Subsidy Amount = Total Premium Amount * Subsidy Percent Subsidy Percent ADM 9.999 Edit with ADM Subsidy Percent, "A00070". None Producer Premium = Total Premium Amount - Subsidy Amount P11 90 **Producer Premium Amount** 999999999 Round to whole number. Amount

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