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

Record Name: Acreage
Record Code: P11

Reinsurance Year: 2015 Version: Approved Release Date: 9/20/2018

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

Commodity Code 0057 Cherries 0154 Strawberries	0227 Oranges					
Calculations	<u>Field</u> Name	Record Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules
Section 1: Liability Calculation						-
	Acre Guarantee Quantity	P11	103	99999999.99	Round to whole number.	
Approved Yield * Expected Revenue Factor * Coverage	Approved Yield	P11	43	99999999.99	None	
Acre Guarantee Quantity = Level Percent * Price Election Percent * Insured Share	Expected Revenue Factor	ADM		9.9999	None	Edit with ADM Price "A00810"
Percent	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	P11	100	99999999.99	Round to whole number.	
Total Guarantee Amount = Acre Guarantee Quantity * Reported Acreage	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	999999999	Round to whole number.	
Unadjusted Approved = Expected Revenue Factor * Rate Yield Revenue Amount	Unadjusted Approved Revenue Amount	Internal		99999999	Round to whole number.	
Revenue Amount	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	Internal		9999999.99	Round to 2 decimals.	Cup at 0.50 and Cap at 1.50.
O AN WALLE II DALWALL / Defense De com	Rate Yield	P15	35	99999999.99	None	
Current Year Yield Ratio = Rate Yield / Reference Revenue	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 = Current Year Yield Ratio ^ Exponent Value	Current Year Rate Multiplier	Internal		9999.99999999	Round to 8 decimals.	
Multiplier — Current real field Katio — Exponent value	Exponent Value	ADM		S99.999	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.	
riioi Teal Nate Multipliel - riioi Teal Tielu Natio " riioi Teal Exponent Value	Prior Year Exponent Value	ADM		\$99.999	None	Edit with ADM Base Rate, "A01010".

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Exhibit Number: P11-5, Plan 47
Record Name: Acreage
Record Code: P11

Reinsurance Year: 2015 Version: Approved Release Date: 9/20/2018

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

Commodity Code	0057 Cherries 0154 Strawberries	0227 Oranges							
		<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>			
	Calculations	<u>Name</u>	Number	<u>Number</u>	<u>Format</u>	Rounding	<u>Rules</u>		
	When Rate Method Code equals Fixed Rate "F":								
		Current Year Base Rate	Internal		9999999999.99999	Round to 8 decimals.			
	Sub County Rate								
	When Rate Method Code equals Additive "A":								
	Sub County Rate + (Current Year Rate Multiplier *	Sub County Rate	ADM		99.9999	None	Edit with ADM Sub County Rate, "A01050".		
	Reference Rate + Fixed Rate)		<u>'</u>						
Current Year Base 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 *	Neierence Nate	ADIVI		9.9999	None	Edit With ADM Base Rate, A01010 .		
	Reference Rate + Fixed Rate)								
	Otherwise:								
	Current Year Rate Multiplier * Reference Rate + Fixed	Fixed Rate	ADM		9.9999	None	Edit with ADM Base Rate, "A01010".		
	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)								
5 5 5.	·								
	When Rate Method Code equals Multiplicative, "M":								
	Sub County Rate * (Prior Year Rate Multiplier * Prior	Prior Year Reference Rate	ADM		9.9999	None	Edit with ADM Base Rate, "A01010".		
	Year Reference Rate + Prior Year Fixed Rate)								
	Otherwise:								
			ADM		9.9999				
	Prior Year Rate Multiplier * Prior Year Reference Rate +	Prior Year Fixed Rate				None	Edit with ADM Base Rate, "A01010".		
	Prior Year Fixed Rate								
	Current Year Base Rate * Rate Differential Factor * Unit Residual Factor	Current Year Base Premium Rate	Internal		9999999999999999	Round to 8 decimals.			
Current Vear Page							Edit with ADM Coverage Level Differential		
Promium Pate =		Rate Differential Factor	ADM		9.9999999	None	Edit with ADM Coverage Level Differential, "A01040".		
i i ciiiidiii Nate							Edit with ADM Coverage Level Differential,		
		Unit Residual Factor	ADM		9.999	None	"A01040".		

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Option Rate

Exhibit Number: P11-5, Plan 47
Record Name: Acreage
Record Code: P11

Reinsurance Year: 2015

Version: Approved

Release Date: 9/20/2018

9.9999

None

Edit with ADM Option Rate, "A01060".

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

Product (Option Rate(s))

Commodity Code 0057 Cherries 0154 Strawberries 0227 Oranges Field Record Field Field Field **Calculations** Number Number Rounding Rules Name **Format** 999999.9999999 Round to 8 decimals. Prior Year Base Premium Rate Internal Edit with ADM Coverage Level Differential, Prior Year Rate Differential Factor ADM 9.99999999 None "A01040". Edit with ADM Coverage Level Differential, Prior Year Base Premium Prior Year Base Rate * Prior Year Rate Differential "A01040". Rate Factor * 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 Premium Rate, or .999) P11 94 9.99999999 Base Premium Rate Round to 8 decimals. Edit with ADM Base Rate, "A01010". Section 3: Optional Coverage Calculation Additive Optional Rate Internal 999999.9999 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, Rate Differential Factor ADM 9.9999999 None "A01040". Multiplicative Optional Rate Internal 999999.9999 Round to 4 decimals. When Rate Method Code equals Multiplicative, "M": Multiplicative Optional Rate Adjustment Factor = Adjustment Factor

ADM

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Exhibit Number: P11-5, Plan 47 Record Name: Acreage

Record Code: P11

Reinsurance Year: 2015 Version: Approved Release Date: 9/20/2018

Insurance Plan Code			47 Actual Revenue History	Actual Revenue History						
Commodity Code	0057 Cherries	0154 Strawberries	0227 Oranges							
	<u>Calculations</u>		<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> Number	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	Rules		
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 = Multip		Premium Rate	Internal		999999999999999999999999999999999999999	Round to 8 decimals.	Premium Rate is capped at 0.99900000.			
	= Multiplicative Option	ase Premium Rate * Unit Structure Discount Factor * Iultiplicative Optional Rate Adjustment Factor+ dditive Optional Rate Adjustment Factor	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 Produce	er Premium Calculation								
	= Liability Amount * Premium Rate * Experience Factor * Premium Surcharge Percent	Preliminary Total Premium Amount	Internal		999999999	Round to whole number				
Preliminary Total Premium Amount		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.			
Total Premium Amount =	= Preliminary Total Premium Amount * Multiple Commodity Adjustment Factor.	Total Premium Amount	P11	92	999999999	Round to whole number.				
		Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".			
Subsidy Amount :	: = Total Premium Amount * Subsidy Percent	Subsidy Amount	P11	90	999999999	Round to whole number.	If this record qualifies for Beginning Farmer and Rancher, see Section 6 for subsidy calculations.			
		Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070".			
Producer Premium Amount	= Total Premium Amo	ount - Subsidy Amount	Producer Premium Amount	P11	93	999999999	Round to whole number.			

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Exhibit Number: P11-5, Plan 47
Record Name: Acreage

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

<u>Commodity Code</u> 0057 Cherries 0154 Strawberries 0227 Oranges

<u>Commodity Code</u> 0057 Cherries 0154 Strawberries	0227 Oranges								
Calculations Section Co Regioning Former and Repoker (RED) Subsidia 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>	<u>Rules</u>			
Section 6: Beginning Farmer and Rancher (BFR) Subsidy Calculations									
Dans Subside Amount - Total Danside Amount School Danside	Base Subsidy Amount	Internal		999999999	Round to whole number	Cupped by the standard rule of \$1 if applicable.			
Base Subsidy Amount = Total Premium Amount * Subsidy Percent	Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070".			
BFR Subsidy Amount = Total Premium Amount * 0.10	BFR Subsidy Amount	Internal		999999999	Round to whole number	Beginning Farmer Rancher Subsidy Amount. If Applicable; else 0. 0.10 (10%).			
Subsidy Amount = Base Subsidy Amount + BFR Subsidy Amount	Subsidy Amount	P11	90	999999999	Round to whole number	Subsidy Amount cannot exceed Total Premium Amount. Subsidy Amount will be cupped at \$0.			
Producer Premium = Total Premium Amount - Subsidy Amount Amount	Producer Premium Amount	P11	93	999999999	Round to whole number				

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