Exhibit Number: P11-4, Plan 41
Record Name: Acreage
Record Code: P11

Reinsurance Year: 2014 Version: Approved Release Date: 9/27/2018

Insurance Plan Code 41 Pecan Revenue Commodity Code 0020 Pecans <u>Field</u> Record <u>Field</u> <u>Field</u> <u>Field</u> Rounding **Calculations** Name Number Number **Format** Rules

Second Year of Two-year Coverage Module and no changes

If Reference Commodity Year <> Commodity Year:

Approved Yield (Revenue), Coverage Level Percent, Dollar Amount of Insurance, Base Premium Rate, and Premium Rate will equal what was determined for First Year of Two-year Coverage Module.

First Year of Two-year Coverage Module or if there were changes to Second Year

Section 1: Liability Calculation									
Coverage Type Code equals Additional, "A":	Dollar Amount of Insurance	P11	102	99999999.99	Round to whole number.				
Dollar Amount of Insurance = Approved Yield (Revenue) * Coverage Level Percent	Approved Yield(Revenue)	P11	43	99999999.99	None	This will be the Approved Revenue reported in the Approved Yield field.			
	Coverage Level Percent	P14	34	9.9999	None				
Coverage Type Code equals Catastrophic, "C":	Dollar Amount of Insurance	P11	102	99999999.99	Round to whole number.				
Dollar Amount of Approved Yield (Revenue) * Coverage Level Percent * Insurance Price Election Percent	Approved Yield(Revenue)	P11	43	99999999.99	None	This will be the Approved Revenue reported in the Approved Yield field.			
	Coverage Level Percent	P14	34	9.9999	None				
	Price Election Percent	P14	35	9.9999	None	When Coverage Type Code equals "C", then Price Election Percent (Protection Factor) equa 0.55.			
Acre Guarantee Quantity = Dollar Amount of Insurance * Guarantee Adjustment Factor	Acre Guarantee Quantity	P11	103	99999999.99	Round to whole number.				
	Guarantee Adjustment Factor	P11	72	0.999	None	Guarantee Adjustment Type Code equals "F", First Year Thinning Factor. Edit with ADM Guarantee Adjustment ICE, "D00068".			
Total Guarantee Amount = Acre Guarantee Quantity * Reported Acreage	Total Guarantee Amount	P11	100	99999999.99	Round to whole number.				
	Reported Acreage	P11	49	9999999.99	None	Reported Acreage must equal the sum of all Land, P27, Reported Acreage.			
Liability Amount = Total Guarantee Amount * Insured Share Percent	Liability Amount	P11	91	999999999	Round to whole number.				
	Insured Share Percent	P11	44	9.999	None				
Section 2: Base Premium Rate Calculation									
Current Year Yield Ratio = Rate Yield (Revenue) / Reference Revenue	Current Year Yield Ratio	Internal		9999999.99	Round to 2 decimals.	Cup at 0.50 and Cap at 1.50.			
	Rate Yield (Revenue)	P15	35	99999999.99	None	This will be the Rate Revenue reported in the Rate Yield field.			
	Reference Revenue	ADM		99999.99	None	Edit with ADM Base Rate, "A01010" Reference Amount.			

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Exhibit Number: P11-4, Plan 41
Record Name: Acreage
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Insurance Plan Code 41 Pecan Revenue **Commodity Code** 0020 Pecans Field Record Field Field Field **Calculations** Name Number Number **Format** Rounding Rules Prior Year Yield Ratio Internal 9999999.99 Round to 2 decimals. Rate Yield P15 35 99999999.99 None This will be the Rate Yield (Revenue). Prior Year Yield Ratio = Rate Yield / Prior Year Reference Revenue Edit with ADM Base Rate, "A01010" Prior Year Prior Year Reference Revenue ADM 99999.99 None Refernce Amount. Current Year Rate = Current Year Yield Ratio ^ Exponent Value Current Year Rate Multiplier Internal 9999.9999999 Round to 8 decimals. Multiplier Exponent Value ADM S99.999 None Edit with ADM Base Rate, "A01010". Prior Year Rate Multiplier Internal 999999.9999999 Round to 8 decimals. Prior Year Rate Multiplier = Prior Year Yield Ratio ^ Prior Year Exponent Value Prior Year Exponent Value ADM S99.999 None Edit with ADM Base Rate, "A01010". When Rate Method Code equals Fixed Rate, "F": Current Year Base Rate Internal 999999.9999999 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) 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 * Reference Rate + Fixed Rate) Otherwise: Fixed Rate ADM 9.9999 None Edit with ADM Base Rate, "A01010". Current Year Rate Multiplier * Reference Rate + Fixed

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Rate

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Reinsurance Year: 2014 Version: Approved **Release Date: 9/27/2018**

Insurance Plan Code 41 Pecan Revenue

Commodity Code 0020 Pecans Field Record Field Field Field Rounding **Calculations** Name Number Number **Format** Rules When Rate Method Code equals Fixed Rate, "F": Prioir Year Base Rate Internal 999999.9999999 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 + (Prior Year Rate Multiplier * Prior Year Reference Rate + Prior Year Fixed Rate) Prior Year Base 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 Refernce Rate + Prior Year Fixed Base) Otherwise: Prior Year Fixed Rate ADM 9.9999 None Edit with ADM Base Rate, "A01010". Prior Year Rate Multiplier * Prior Reference Rate + Prior Year Fixed Rate 999999.9999999 Internal Round to 8 decimals. Current Year Base Premium Rate Edit with ADM Coverage Level Differential, Rate Differential Factor ADM 9.99999999 "A01040". If Sub County Rate applies then None associated Sub County Differentials will apply. Current Year Base = Current Year Base Rate * Rate Differential Factor * Unit Premium Rate = Residual Factor Edit with ADM Coverage Level Differential, "A01040". When Unit Structure Code equals "OU" or "BU", then Unit Residual Factor. **Unit Residual Factor** ADM 9.999 None When Unit Structure Code equals "EU", then Enterprise Unit Residual Factor. Prior Year Base Premium Rate Internal 999999.9999999 Round to 8 decimals. Edit with ADM Coverage Level Differential, ADM 9.99999999 Prior Year Rate Differential Factor "A01040". If Sub County Rate applies then None associated Sub County Differentials will apply. Prior Year Base Premium Rate Prior Year Base Rate Prior Year Rate Differential Factor Prior Year Residual Factor 1.2 Edit with ADM Coverage Level Differential, "A01040". 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.

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Exhibit Number: P11-4, Plan 41
Record Name: Acreage
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Reinsurance Year: 2014 Version: Approved Release Date: 9/27/2018

Insurance Plan Code		41 Pecan Revenue					
Commodity Code		0020 Pecans					
	<u>Calculations</u>	<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>
Base Premium Rate	= MIN (Current Year Base Premium Rate, Prior Year Base Premium Rate, or .999)	Base Premium Rate	P11	94	999999.99999999	Round to 8 decimals.	Edit with ADM Base Rate, "A01010".
Section 3: Optional Covera	ge Calculation						
Additive Optional Rate =	When Rate Method Code is Additive, "A":	Additive Optional Rate Adjustment Factor	Internal		999999.9999	Round to 4 decimals.	
		Option Rate	ADM		99999.9999	None	Option Rate will be the Sum of all Option Rate with Rate Method Code equal to Additive, "A". Edit with ADM Option Rate, "A01060".
		Rate Differential Factor	ADM		9.99999999	None	Edit with ADM Coverage Level Differential, "A01040". If Reference Commodity Year <> Commodity Year use Prior Year Rate Differenti- Factor.
Multiplicative Optional =	When Rate Method Code is Multiplicative, "M":	Multiplicative Optional Rate Adjustment Factor	Internal		999999.9999	Round to 4 decimals.	
	∑ Option Rate1 * Option Rate2 * Option Rate3	Option Rate	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".
Section 4: Premium Rate Ca	alculation						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	Base Premium Rate * Unit Structure Discount Factor * = Multiplicative Optional Rate Adjustment Factor + Additive Optional Rate Adjustment Factor	Premium Rate	Internal		999999999999999999999	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 "BU", then Unit Structure Discount Factor equals Basic Un Discount Factor. When Unit Structure Code equals "EU", then Unit Structure Discount Factor equals Enterpris Unit Discount Factor.

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Insurance Plan Code 41 Pecan Revenue Commodity Code 0020 Pecans Field Record <u>Field</u> Field <u>Field</u> **Calculations** Name Number Number **Format** Rounding Rules Section 5: Total Premium, Subsidy, and Producer Premium Calculation Preliminary Total Premium Internal 999999999 Round to whole number. Amount Preliminary Total Premium Amount Premium Rate Premium Surcharge Premium Amount Premium Premium Premium Premium Surcharge When Surcharge Applied Flag equals "Y", then 9.99 Premium-Surcharge Percent must equal 1.05, Premium Surcharge Percent Internal None otherwise must equal 1.00. P11 92 Total Premium Amount 999999999 Round to whole number. Total Premium Amount = Preliminary Total Premium Amount * Multiple Commodity Adjustment Factor Multiple Commodity Adjustment ICE 9999.999 None Edit with ICE Multiple Cropping, "D00063". Factor **Subsidy Amount** P11 90 999999999 Round to whole number. Subsidy Amount = Total Premium Amount * Subsidy Percent Subsidy Percent ADM 9.999 None Edit with ADM Subsidy Percent, "A00070". Producer Premium Amount = Total Premium Amount - Subsidy Amount 93 Producer Premium Amount P11 999999999 Round to whole number.

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