Exhibit Number: P11-9, Plan 90
Record Name: Acreage

Record Code: P11

Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

chosen coverage level and NOT the Effective

Coverage Level.

Insurance Plan Code 90 Actual Production History 0107 Alfalfa Seed 0234 Cigar Filler Tobacco 0012 Blueberries 0053 Grapes 0054 Apples 0013 Onions 0114 Buckwheat 0235 Cigar Bindr Tobacco 0016 Oats 0055 Culti Wild Rice 0132 Cucumbers 0236 Cigar Wrapper Tobacco 0017 Millet 0058 Cranberries 0147 Pumpkins 0255 Banana 0019 Avocados 0059 Silage Sorghum 0156 Sweet Potatoes 0256 Coffee 0022 Cotton Extra Long 0060 Figs 0201 Grapefruit 0257 Papaya 0309 Mandarins/Tangerines 0023 Macadamia Nuts 0064 Green Peas 0202 Lemons 0028 Almonds 0067 Dry Peas 0203 Tangelos 0333 Camelina **Commodity Code** 0029 Walnuts 0069 Mustard 0218 Fresh Apricots 0396 Sesame 0219 Processing Apricots 0031 Flax 0072 Cabbage 0470 Pistachios 0033 Forage Production 0074 Mint 0220 Fresh Nectarines 0501 Olives 0034 Peaches 0079 Clary Sage 0221 Processing Cling Peaches 0036 Prunes 0084 Potatoes 0222 Processing Freestone 0223 Fresh Freestone Peaches 0038 Sugar Cane 0086 Fresh Tomatoes 0227 Oranges 0039 Sugar Beets 0087 Tomatoes 0042 Sweet Corn 0089 Pears 0229 Flue Cured Tobacco 0046 Canning Beans 0092 Fresh Plums 0230 Fire Cured Tobacco 0231 Burley Tobacco 0047 Dry Beans 0094 Rye 0232 Maryland Tobacco 0049 Safflower 0102 Grass Seed 0233 Dark Air Tobacco 0052 Table Grapes 0105 Fresh Market Beans Field Record Field Field Field Rounding **Calculations** Name Number Number **Format** Rules Section 1: Liability Calculation When Unit of Measure equals Pounds, "LBS", then Round to whole Number. Guarantee Per Acre1 should be rounded to When Unit of Measure equals Guarantee Per Acre1 Internal 99999999.99 whole pounds for Dry Beans, "0047" (all types), Tons, "Tons", then Round to 2 and Dry Peas, "0067" (all types). decimals. Guarantee Per Acre1 = Approved Yield * Coverage Level Percent Otherwise, Round to 1 decimal. Approved Yield P11 42 99999999.99 None For APH Trend and Yield Exclusion the Coverage Level Percent in this section is ALWAYS the Coverage Level Percent P14 34 9.9999 None

1/28/2019 Page 1 of 28

Record Name: Acreage Record Code: P11 Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

	Field	Record	Field	Field	Field	
<u>Calculations</u>	Name	Number	Number	Format	Rounding	P. L.
Calculations	<u>Name</u>	Number	<u>Number</u>			<u>Rules</u>
	Premium Acre Guarantee Quantity	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals.	Premium Acre Guarantee Quantity should be
					Otherwise, Round to 1 decimal.	
	Yield Conversion Factor	P11	59	9.999	None	Yield Conversion Factor must be valid; edit with the Yield Conversion ICE, "D00064".
Round(Guarantee Per Acre1 * Yield Conversion Factor, Acre Guarantee Quantity = lbs to 0, tons to 2, all other 1) * Guarantee Adjustment Factor	Acre Guarantee Quantity	P11	103	99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.	Acre Guarantee Quantity should be rounded to
	Yield Conversion Factor	P11	59	9.999	None	Yield Conversion Factor must be valid; edit with the Yield Conversion ICE, "D00064".
	Guarantee Adjustment Factor	P11	69	0.999	None	Edit with the Guarantee Adjustment ICE, "D00068".
Premium Total Guarantee Amount = Premium Acre Guarantee Quantity * Reported Acreage	Premium Total Guarantee	Internal		99999999.99	When Unit of Measure equals Barrels or Tons, then Round to 1 decimal. Otherwise, Round to whole number.	
	Reported Acreage	P11	48	999999.99	None	Reported Acreage must equal the sum of all Land, P27, Reported Acreage.

1/28/2019 Page 2 of 28

Record Code: P11

Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

	<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>	
<u>Calculations</u>	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	Rules
					When Unit of Measure equals	
					Barrels or Tons, then Round	
	Total Guarantee Amount	P11	100	99999999.99	to 1 decimal.	
	Total Guarantee Amount	F11	100	99999999.99		
Total Guarantee Amount = Acre Guarantee Quantity * Reported Acreage					Otherwise, Round to whole	
Total Guarantee Amount - Acre Guarantee Quantity Reported Acreage					number.	
	Reported Acreage					
		P11	48	999999.99	None	Reported Acreage must equal the sum of all
				33333.53		Land, P27, Reported Acreage.
					See Appendix III Price Election	Result will be capped if based on Contract Price
	Price Election Amount	P11 (Internal)	45	9999.9999	Amount Rounding Exhibit P11	and it exceeds Contract Price Max.
					8.	
Price Election Amount = ADM Price (or Contract Price) * Price Election Percent	ADM Price	ADM		99999.9999		Edit with ADM Price, "00810".
						Contract Price, if applicable, should be entered
	Contract Price	P11	46	9999.9999	None	in the Contract Price field.
	Price Election Percent	P14	35	9.9999	None	
	Premium Liability Amount	Internal		999999999	Round to whole number	
Premium Liability Amount = Premium Total Guarantee Amount * Price Election	Fremium Elability Amount	internal		333333333	Round to whole number	
Amount * Insured Share Percent	Price Election Amount	P11	45	9999.9999	None	Edit with ADM Price, "A00810".
	Insured Share Percent	P11	43	9.9999	None	
For Mustard (commodity 0069):	Premium Liability Amount	Internal		999999999	Round to whole number	
(Lesser of "Reported Pounds or Premium Total	,					
Premium Liability Amount = Guarantee Amount") * Price Election Amount * Insured	Reported Pounds	P11	32	999999999	None	5 III III ABAAB : AAAAAA
Share Percent	Price Election Amount	P11	45	9999.9999	None	Edit with ADM Price, "A00810".
	Insured Share Percent	P11	43	9.9999	None	
Tatal Customba Assault * Drice Fleshion Assault *	Liability Amount	P11	91	999999999	Round to whole number.	
Liability Amount = Total Guarantee Amount * Price Election Amount * Insured Share Percent	Price Election Amount	P11	45	9999.9999	None	
msured share refeelit	Insured Share Percent	P11	43	9.9999	None	
For Mustard (commodity 0069):					None	
	Liability Amount	P11	91	999999999	Round to whole number	
(Lesser of "Reported Pounds or Total Guarantee	Reported Pounds	P11	32	999999999	None	
Liability Amount = Amount") * Price Election Amount * Insured Share	Price Election Amount	P11	45	9999.9999	None	Edit with ADM Price, "A00810".
Percent	Insured Share Percent	P11	43	9.9999	None	·
Section 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.
Current Year Yield Ratio = Rate Yield / Reference Yield	Rate Yield	P15	35	99999999999	None	The state of the s
	Reference Yield	ADM		99999.99	None	Edit with ADM Base Rate, "A01010".
	Prior Year Yield Ratio	Internal		9999999.99	Round to 2 decimals.	,
Prior Year Yield Ratio = Rate Yield / Prior Year Reference Yield	Rate Yield	P15	35	99999999.99	None	
	Prior Year Reference Yield	ADM		99999.99	None	Edit with ADM Base Rate, "A01010".
Current Year Rate = Current Year Yield Ratio ^ Exponent Value	Current Year Rate Multiplier	Internal		999999.9999999	Round to 8 decimals.	
= Current Year Yield Ratio ^ Exponent Value Multiplier	Exponent Value	ADM		\$99.999	None	Edit with ADM Base Rate, "A01010".
Prior Voar Pato Multiplior - Prior Voar Vield Patio A Prior Voar Eugenart Value	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".

1/28/2019 Page 3 of 28

Record Code: P11

Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

Field Record Field Field Field Number Number Rounding **Calculations** <u>Name</u> **Format** Rules When Rate Method Code equals Fixed Rate, "F": Internal Current Year Base Rate 999999.9999999 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 + (Current Year Rate Multiplier * Reference Rate + Fixed Rate) Current Year Base Rate = When Rate Method Code equals Multiplicative, "M": 9.9999 Reference Rate ADM None Edit with ADM Base Rate, "A01010". Sub County Rate * (Current Year Rate Multiplier * Reference Rate + Fixed Rate) Otherwise: 9.9999 Fixed Rate ADM None Edit with ADM Base Rate, "A01010". Current Year Rate Multiplier * Reference Rate + Fixed When Rate Method Code equals Fixed Rate, "F": Internal 999999.9999999 Round to 8 decimals. Prior Year Base Rate Sub County Rate When Rate Method Code equals Additive, "A": Sub County Rate 9.9999 ADM 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 Reference Rate + Prior Year Fixed Rate) Otherwise: Prior Year Fixed Rate ADM 9.9999 Edit with ADM Base Rate, "A01010". None Prior Year Rate Multiplier * Prior Year Reference Rate +

1/28/2019 Page 4 of 28

Prior Year Fixed Rate

Record Name: Acreage Record Code: P11 Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

	Field	Record	Field	Field	Field	
<u>Calculations</u>	<u>Name</u>	Number	Number	Format	Rounding	Rules
Current Year Base Current Year Base Rate * Rate Differential Factor * Unit Premium Rate Residual Factor.	Current Year Base Premium Rate	Internal		999999.99999999	Round to 8 decimals.	If Option Code "YE" or "TA" is applicable and the effective coverage level exceeds the highest coverage level for the offer in the ADM, see Section 14 for the Current Year Base Premium Rate calculation.
	Rate Differential Factor	ADM		9.99999999	None	Edit with ADM Coverage Level Differential, "A01040". When Option Code 'YE' or 'TA' is elected, see section 12.
	Unit Residual Factor	ADM		9.999	None	Edit with ADM Coverage Level Differential, "A01040". When Unit Structure Code equals "OU", "UA", "UD", or "BU", then Unit Residual Factor. When Unit Structure Code equals "EU" or "EP," then Enterprise Unit Residual Factor. When Option Code 'YE' or 'TA' is elected, see section 13.
	Prior Year Base Premium Rate	Internal		999999.9999999	Round to 8 decimals.	
	Prior Year Rate Differential Factor	ADM		9.9999999	None	Edit with ADM Coverage Level Differential, "A01040". When Option Code 'YE' or 'TA' is elected, see section 12.
Prior Year Base Premium = Prior Year Base Rate * Prior Year Rate Differential Factor Rate = * Prior Year Residual Factor * 1.2	Prior Year Unit Residual Factor	ADM		9.999	None	Edit with ADM Coverage Level Differential, "A01040". When Unit Structure Code equals "OU", "UA", "UD", or "BU", then Prior Year Unit Residual Factor. When Unit Structure Code equals "EU" or "EP," then Prior Year Enterprise Unit Residual Factor. When Option Code 'YE' or 'TA' is elected, see section 13.
Base Premium Rate = MIN (Current Year Base Premium Rate, Prior Year Base Premium Rate, or .999)	Base Premium Rate	P11	94	999999.99999999	None	

1/28/2019 Page 5 of 28

Record Name: Acreage Record Code: P11 Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

	Calculations	<u>Field</u>	Record Number	<u>Field</u> Number	<u>Field</u>	Field Pounding	D. J.
	Calculations	<u>Name</u>	<u>Number</u>	ivumber	<u>Format</u>	Rounding	Rules
ection 3: Optional Covera	ge Calculation			1	ı	ı	
		Additive Optional Rate Adjustment Factor	Internal		999999.9999	Round to 4 decimals.	
Additive Optional Rate	When Rate Method Code = A	Option Rate	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".
Adjustment Factor	= SUM (Option Rate(s)) * Rate Differential Factor	Rate Differential Factor	ADM		9.9999999	None	Edit with ADM Coverage Level Differential, "A01040". When Option Code 'YE' or 'TA' is elected, see section 12.
Multiplicative Optional	When Rate Method Code = M =	Multiplicative Optional Rate Adjustment Factor	Internal		999999.9999	Round to 4 decimals.	
Rate Adjustment Factor	Product (Option Rate(s))	Option Rate	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".
ection 4: Premium Rate C	alculation						
		Premium Rate	Internal		999999.99999999	Round to 8 decimals.	Premium Rate is capped at 0.99900000. Edit with ADM Unit Discount, "A01090".
Premium Rate :	Base Premium Rate * Unit Structure Discount Factor * = Multiplicative Optional Rate Adjustment Factor + Additive Optional Rate Adjustment Factor	Unit Structure Discount Factor	ADM		9.999	None	When Unit Structure Code equals "OU", "UA", "UD", then Unit Structure Discount Factor equ Optional Unit Discount Factor. When Unit Structure Code equals "BU", then Unit Structure Discount Factor equals Basic Ur Discount Factor. If commodity (ie Dry Beans and Dry Peas) uses acres for determination of Unit Structure Discount Factor when Unit Structure Code equals "BU", Basic Unit Discount Factor is contingent upon the sum of reported acres which were not prevented from planting for the unit being greater than or equal to Area Low Quantity and less than or equal to Area High Quantity fields contained on the ADM Unit Discount, "A01090" for Coverage Level. If unit only has prevented planted acres then no discount, factor = 1.000. When Unit Structure Code equals "EU" or "EP' then Unit Structure Discount Factor equals Enterprise Unit Discount Factor.

1/28/2019 Page 6 of 28

Exhibit Number: P11-9, Plan 90
Record Name: Acreage
Record Code: P11

Reinsurance Year: 2017 Version: Approved

Release Date: 2/7/2019

Section 5: Total Premium, Subsidy, and	d Producer Premium Calculation
--	--------------------------------

	Preliminary Total Premium Amount	Internal		999999999	Round to whole number	
Preliminary Total Premium Liability Amount * Premium Rate * Experience	Experience Factor	P11	47	9.999	None	Must be a value between minimum and maximum on ICE, "D10023".
Premium Amount Factor * Premium Surcharge Percent	Premium Surcharge Percent	Internal		9.99	None	When Surcharge Applied Flag equals "Y", then Premium Surcharge Percent must equal 0.05, otherwise must equal 0.00.
Preliminary Total Premium Amount * Multiple Total Premium Amount =	Total Premium Amount	P11	92	999999999	Round to whole number	
Commodity Adjustment Factor	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 or Native Sod, see Section 10 for subsidy calculations.
	Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070".
Producer Premium = Total Premium Amount - Subsidy Amount Amount	Producer Premium Amount	P11	93	999999999	Round to whole number	

1/28/2019 Page 7 of 28

Record Code: P11

Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

				_,		
A. 1.0	<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>	
<u>Calculations</u>	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	Rules
						Information (Approved Yield, Rate Yield,
						Reported Acreage, Insured Share Percent, Base
						Premium Rate) will be obtained from ELS Cotto
						P11 record associated with the Cottonseed
Cottonseed Endorsement Option 'SE'						record.
						If World Evolution on Torond ABIL to alcohol
						If Yield Exclusion or Trend APH is elected, see
						section 14 for the current year base premium
						rate calculation when the Effective Coverage
						Level exceeds the MAX ADM coverage level.
Section 6: Liability Calculation						
	Modified Yield	Internal		99999999.99	Round to whole Number.	
Modified Yield = Approved Yield * Option Conversion Factor	Approved Yield	P11	42	99999999.99	None	From ELS cotton P11 record.
the second secon	• •					
	Option Conversion Factor	ADM	64	9.9999	None	Edit with ADM Option Rate, "A01060".
	Guarantee Per Acre1	Internal		99999999.99	Round to whole Number.	
						For APH Trend and Yield Exclusion the Coverage
Guarantee Per Acre1 = Modified Yield * Coverage Level Percent			2.4	0.000		Level Percent in this section is ALWAYS the
	Coverage Level Percent	P14	34	9.9999	None	chosen coverage level and NOT the Effective
						Coverage Level.
Premium Acre Guarantee	Premium Acre Guarantee				Round to whole Number.	
Premium Acre Guarantee = Guarantee Per Acre1	Quantity	Internal		99999999.99		
Quantity	Quantity					
	Acre Guarantee Quantity	P11	103	99999999.99		
Acre Guarantee Quantity = Guarantee Per Acre1 * Guarantee Adjustment Factor						Edit with the Guarantee Adjustment ICE,
	Guarantee Adjustment Factor	P11	69	0.999	None	"D00068".
Describes Tabel Coorsettes	Premium Total Guarantee	1		0000000000	Daniel Landa I	
Premium Total Guarantee Amount = Premium Acre Guarantee Quantity * Reported Acreage	Amount	Internal		99999999.99	Round to whole number.	
Amount	Reported Acreage	P11	48	999999.99	None	From ELS cotton P11 record.
Total Guarantee Amount = Acre Guarantee Quantity * Reported Acreage	Total Guarantee Amount	P11	100	99999999.99	Round to whole number.	
Total Guarantee Amount = Acre Guarantee Quantity - Reported Acreage	Reported Acreage	P11	48	999999.99	None	From ELS cotton P11 record.
	Premium Liability Amount	Internal		999999999	Round to whole number	
Premium Liability Amount = Premium Total Guarantee Amount * Price Election Amount * Insured Share Percent		1				Edit with ADM Dries HACCOACH MAN -1
	Price Election Amount	1	45	9999.9999	None	Edit with ADM Price, "A00810". Will always
		P11				equal 100% of Cottonseed Established Price.
	Insured Share Percent	P11	43	9.9999	None	
Table Comment	Liability Amount	P11	91	999999999	Round to whole number.	
Total Guarantee Amount * Price Election Amount * Liability Amount = Leavest Chara Bassart	Price Election Amount	P11	45	9999.9999	None	
Insured Share Percent	Insured Share Percent	P11	43	9.9999	None	

1/28/2019 Page 8 of 28

Version: Approved Release Date: 2/7/2019

Reinsurance Year: 2017

Record Code: P11	Release Date: 2/

	<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 7: Optional Coverag	ge Calculation						
		Additive Optional Rate Adjustment Factor	Internal		999999.9999	Round to 4 decimals.	
Additive Optional Rate	When Rate Method Code = A	Option Rate	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".
Adjustment Factor	SUM (Option Rate(s)) * Rate Differential Factor	Rate Differential Factor	ADM		9.99999999	None	Edit with ADM Coverage Level Differential, "A01040". When Option Code 'YE' or 'TA' is elected, see section 12.
Multiplicative Optional =	When Rate Method Code = M	Multiplicative Optional Rate Adjustment Factor	Internal		999999.9999	Round to 4 decimals.	
Rate Adjustment Factor	Product (Option Rate(s))	Option Rate	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".
ection 8: Premium Rate Ca	lculation						
		Premium Rate	Internal		999999.99999999	Round to 8 decimals.	
		Base Premium Rate	P11	94	999999.99999999	None	From ELS cotton P11 record.
	Base Premium Rate * Unit Structure Discount Factor * Multiplicative Optional Rate Adjustment Factor + Additive Optional Rate Adjustment Factor	Unit Structure Discount Factor	ADM		9.999	None	From ELS cotton P11 record. Edit with ADM Unit Discount, "A01090". When Unit Structure Code equals "OU", "UA", o "UD", then Unit Structure Discount Factor equal Optional Unit Discount Factor. When Unit Structure Code equals "BU", then Unit Structure Discount Factor equals Basic Unit Discount Factor. When Unit Structure Code equals "EU" or "EP," then Unit Structure Discount Factor equals Enterprise Unit Discount Factor.
ection 9: Total Premium, S	ubsidy, and Producer Premium Calculation						
		Preliminary Total Premium Amount	Internal		999999999	Round to whole number	
Preliminary Total =	Premium Liability Amount * Premium Rate * Experience Factor * Premium Surcharge Percent	Experience Factor	P11	47	9.999	None	Must be a value between minimum and maximum on ICE, "D10023".
	9	Premium Surcharge Percent	Internal		9.99	None	When Surcharge Applied Flag equals "Y", then Premium Surcharge Percent must equal 0.05, otherwise must equal 0.00.
	Preliminary Total Premium Amount * Multiple	Total Premium Amount	P11	92	999999999	Round to whole number	
Total Premium Amount =	Preliminary Total Premium Amount * Multiple Commodity Adjustment Factor	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 or Native Sod, see Section 10 for subsidy calculations.	
		Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070".
Producer Premium = Amount =	Total Premium Amount - Subsidy Amount	Producer Premium Amount	P11	93	999999999	Round to whole number	

1/28/2019 Page 9 of 28

Record Code: P11

Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

	<u>Field</u>	Record	Field	<u>Field</u>	<u>Field</u>				
Calculations	Name	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	<u>Rules</u>			
Section 10: Beginning Farmer and Rancher (BFR), Native Sod (NS) and Conservation Compliance (CC) Subsidy Calculations									
Base Subsidy Amount = Total Premium Amount * Subsidy Percent	Base Subsidy Amount	Internal		999999999	Round to whole number	Cupped by the standard rule of \$1 if applicable.			
Base subsidy / mount = Total / remain/mount subsidy referent	Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070".			
BFR Subsidy Amount = Total Premium Amount * 0.10 * (1 - CC Subsidy Reduction Percent)	BFR Subsidy Amount	Internal		999999999	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		999999999	Round to whole number	If Applicable; else 0. 0.50 (50%). For CAT coverage, Native Sod Subsidy Amount is always 0.			
CC Subsidy Reduction	CC Subsidy Reduction Percent	P11	76	9.9999	None	If Applicable; else 0.			
CC Subsidy Reduction = Base Subsidy Amount * CC Subsidy Reduction Percent	CC Subsidy Reduction Amount	P11 Internal	108	999999999	Round to whole number	CC Subsidy Reduction Amount. If Applicable; else 0.			
Subsidy Amount = Base Subsidy Amount + BFR Subsidy Amount - Native Sod Subsidy Amount - CC Subsidy Reduction 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	Producer Premium Amount	P11	93	999999999	Round to whole number				
Trend APH (Option 'TA') and Yield Exclusion (Option 'YE')									
Section 11: Effective Coverage Level Calculation									
	Effective Coverage Level Percent	Internal		99.9999	Rounded to 2 decimal places.				
	Coverage Level Percent	P14	34	9.9999	None				
Effective Coverage Level = Coverage Level Percent * Approved Yield/Adjusted Yield Percent	Approved Yield	P11	73	99999999.99		For APH Trend and Yield Exclusion, the Approved Yield will be the greater of the calculated approved yield and the adjusted yield.			
	Adjusted Yield	P15	44	99999999.99	None				

1/28/2019 Page 10 of 28

Exhibit Number: P11-9, Plan 90
Record Name: Acreage
Record Code: P11

Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

Field Record Field Field Field Number Number Rounding **Calculations** Name **Format** Rules When Trend Adjustment Option (TA) was Section 12: Rate Differential Factor chosen and yield reflects a trend or when Yield Exclusion Option "YE" was chosen. When Yield Exclusion Option "YE" is elected or when Options "YE" and "TA" are elected together Rate Differential Factor Internal 9.99999999 Round to 9 decimal places Base Rate Differential Factor is equal to Rate Differential for Minimum of 1) Maximum available Coverage Level or; 2) available Base Rate Differential Factor ADM 9.99999999 None Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040". Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on Upper Bound Rate Differential the Effective Coverage Level. ADM 9.99999999 None Factor If the Effective Coverage Level falls between (1+ (ROUND (MIN ((MAX (0.85, Effective Coverage existing ADM Coverage Levels then this will be Level Percent) -0.85) / 0.15) ,1)3 ,7)) * 0.05) * based on the higher ADM Coverage Level. (Round(Base Rate Differential Factor + (Upper Bound If the Effective Coverage Level is greater than Rate Differential Factor = **Rate Differential Factor - Lower Bound Rate** the maximum ADM Coverage Level then this will Differential Factor) * (Effective Coverage Level Percent be based on the highest ADM Coverage Level. - Floored Effective Coverage Level Percent) * 20, 9)) Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level Percent. Lower Bound Rate Differential ADM 9.99999999 If the Effective Coverage Level Percent falls None Factor between existing ADM Coverage Levels then this will be based on the lower ADM Coverage Level. If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level.

1/28/2019 Page 11 of 28

Exhibit Number: P11-9, Plan 90
Record Name: Acreage
Record Code: P11

Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

				2/1/2013	
	Effective Coverage Level Percent	Internal	99.9999	None	
(1+ (ROUND (MIN (((MAX (0.85,Effective Coverage Level Percent) -0.85) / 0.15) ,1) ³ ,7)) * 0.05) * Rate Differential Factor (continued) = (Round(Base Rate Differential Factor + (Upper Bound Rate Differential Factor - Lower Bound Rate Differential Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 9))	Floored Effective Coverage Level Percent	Internal	99.9999	None	Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be the Effective Coverage Level Percent. If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level.
	Prior Year Rate Differential Factor	Internal	9.99999999	Round to 9 decimal places.	
	Base Prior Year Rate Differential Factor	ADM	9.99999999	None	Base Prior Year Rate Differential Factor is equal to Prior Year Rate Differential for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040".
Round(Base Prior Year Rate Differential Factor + (Upper Prior Year Rate Bound Prior Year Rate Differential Factor - Lower Bound Prior Year Rate Differential Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 9)		ADM	9.999999999	None	Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.
1/28/2019	Lower Bound Prior Year Rate Differential Factor	ADM	9.99999999	None	Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level.

Record Name: Acreage Record Code: P11 Reinsurance Year: 2017

Version: Approved

Release Date: 2/7/2019 Effective Coverage Level Percent Internal 99,9999 None Based on the 'floored' Coverage Level. Edit with Round(Base Prior Year Rate Differential Factor + (Upper ADM Coverage Level Differential, "A01040". Prior Year Rate Bound Prior Year Rate Differential Factor - Lower Bound If the Effective Coverage Level Percent equals an Differential Factor = Prior Year Rate Differential Factor) * (Effective Coverage existing ADM Coverage Level then this will be (continued) Level Percent - Floored Effective Coverage Level the Effective Coverage Level Percent. Percent) * 20, 9) Floored Effective Coverage Level Internal 99,9999 None If the Effective Coverage Level Percent falls Percent between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level. When Trend Adjustment Option "TA" is elected alone (excludes "YE") Rate Differential Factor 9.99999999 Round to 9 decimal places Internal Base Rate Differential Factor is equal to Rate Differential for Minimum of 1) Maximum available Coverage Level or; 2) available Base Rate Differential Factor ADM 9.99999999 None Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040". Based on the 'upper bound' Coverage Level. Edit Round(Base Rate Differential Factor + (Upper Bound with ADM Coverage Level Differential, Rate Differential Factor - Lower Bound Rate Differential Rate Differential Factor = Factor) * (Effective Coverage Level Percent - Floored If the Effective Coverage Level equals an existing Effective Coverage Level Percent) * 20, 9) ADM Coverage Level then this will be based on Upper Bound Rate Differential the Effective Coverage Level. ADM 9.99999999 None Factor If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.

1/28/2019 Page 13 of 28

Record Name: Acreage Record Code: P11 Reinsurance Year: 2017
Version: Approved

Release Date: 2/7/2019

Record Code: P11 Release Date: 2/7/2019								
Round(Base Rate Differential Factor + (Upper Bound Rate Differential Factor _ Rate Differential Factor - Lower Bound Rate Differential	Lower Bound Rate Differential Factor	ADM	9.99999999	None	Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level Percent. If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be based on the lower ADM Coverage Level. If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level.			
(continued) Factor) * (Effective Coverage Level Percent - Floored	Effective Coverage Level Percent	Internal	99.9999	None				
Effective Coverage Level Percent) * 20, 9)	Floored Effective Coverage Level Percent	Internal	99.9999	None	Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be the Effective Coverage Level Percent. If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level.			

1/28/2019 Page 14 of 28

Exhibit Number: P11-9, Plan 90
Record Name: Acreage

Reinsurance Year: 2017

Version: Approved

Record Code: P11

Release Date: 2/7/2019

Prior Year Rate Differential Factor	Internal	9.99999999	Round to 9 decimal places.	
Base Prior Year Rate Differential Factor	ADM	9.99999999	None	Base Prior Year Rate Differential Factor is equal to Prior Year Rate Differential for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040".
	ADM	9.99999999	None	Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.

1/28/2019 Page 15 of 28

Record Name: Acreage

Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

Record Code: P11

•	Round(Base Prior Year Rate Differential Factor + (Upper	Lower Bound Prior Year Rate Differential Factor	ADM	g	9.99999999	None	Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level.
Differential Factor = Prior Yea	Prior Year Rate Differential Factor - Lower Bound - ear Rate Differential Factor) * (Effective Coverage	Effective Coverage Level Percent	Internal		99.9999	None	
· · ·	(continued) Level Percent - Floored Effective Coverage Level Percent) * 20, 9)	Floored Effective Coverage Level Percent	Internal		99.9999	None	Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be the Effective Coverage Level Percent. If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level.

1/28/2019 Page 16 of 28

Exhibit Number: P11-9, Plan 90
Record Name: Acreage
Record Code: P11

Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

Field Record Field <u>Field</u> Field Calculations Name Number Number **Format** Rounding Rules The lookup/interpolation/extrapolation procedure for 'Unit Residual Factor and Prior Unit Residual Factor' when Trend Adjustment Section 13: Unit Residual Factor Option (TA) was chosen and yield reflects a trend or when Yield Exclusion Option "YE" was chosen. When Unit Structure Code is equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, "BU", use the following calculations for Unit Residual Factor and Prior Year Unit Residual Factor: The cap value for the Residual Factors is the Unit Residual Factor Internal 999.999 Round to 3 decimal places. MAX(Residual Factor) from all coverage levels within the chosen unit structure Base Unit Residual Factor is equal to Unit Residual for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level Base Unit Residual Factor ADM 999.999 None less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040". Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, Round(Base Unit Residual Factor + (Upper Bound Unit "A01040". Residual Factor - Lower Bound Unit Residual Factor) * If the Effective Coverage Level Percent equals an Unit Residual Factor = (Effective Coverage Level Percent - Floored Effective existing ADM Coverage Level then this will be Coverage Level Percent) * 20, 3) based on the Effective Coverage Level Percent. If the Effective Coverage Level Percent falls Upper Bound Unit Residual Factor ADM 999.999 None between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.

1/28/2019 Page 17 of 28

Exhibit Number: P11-9, Plan 90 Record Name: Acreage

Reinsurance Year: 2017 Version: Approved

Record Code: P11			Release Date:	2/7/2019	
Round(Base Unit Residual Factor + (Upper Bound Unit	Lower Bound Unit Residual Factor	ADM	999.999	None	Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level.
Unit Residual Factor = Residual Factor - Lower Bound Unit Residual Factor) * (continued) = (Effective Coverage Level Percent - Floored Effective	Effective Coverage Level Percent	Internal	99.9999	None	
Coverage Level Percent) * 20, 3)	Floored Effective Coverage Level Percent	Internal	99.9999	None	Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be the Effective Coverage Level Percent. If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level.

1/28/2019 Page 18 of 28

Record Name: Acreage

Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

Record Code: P11

Calculations	<u>Field</u> Name	<u>Record</u> Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules
Concurations	Prior Year Unit Residual Factor	Internal	<u>reamoct</u>	999.999	Round to 3 decimal places.	The cap value for the Residual Factors is the MAX(Residual Factor) from all coverage levels within the chosen unit structure
Round(Base Prior Year Unit Residual Factor + (Upper Bound Prior Year Unit Residual Factor - Lower Bound Prior Year Unit Residual Factor) * (Effective Coverage Level Percent) * 20, 3)	Base Prior Year Unit Residual Factor	ADM		999.999	None	Base Prior Year Unit Residual Factor is equal to Prior Year Unit Residual for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040".
	Upper Bound Prior Year Unit Residual Factor	ADM		999.999	None	Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.
	Lower Bound Prior Year Unit Residual Factor	ADM		999.999	None	Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level.
	Effective Coverage Level Percent	Internal		99.9999	None	
	Floored Effective Coverage Level Percent	Internal		99.9999	None	Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level.

1/28/2019 Page 19 of 28

Record Name: Acreage Record Code: P11 Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

<u>Calculations</u>	<u>Field</u> <u>Name</u>	<u>Record</u> <u>Number</u>	<u>Field</u> Number	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	Rules			
When Unit Structure Code is equal to Enterprise Unit, 'EU' or 'EP', use the following of	When Unit Structure Code is equal to Enterprise Unit, 'EU' or 'EP', use the following calculations for Enterprise Unit Residual Factor and Prior Year Enterprise Unit Residual Factor:								
	Enterprise Unit Residual Factor	Internal		999.999	Round to 3 decimal places.	The cap value for the Residual Factors is the MAX(Residual Factor) from all coverage levels within the chosen unit structure			
	Base Enterprise Unit Residual Factor	ADM		999.999	None	Base Enterprise Unit Residual Factor is equal to Enterprise Unit Residual for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040".			
	Upper Bound Enterprise Unit Residual Factor	ADM		999.999	None	Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level Percent. If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.			
	Lower Bound Enterprise Unit Residual Factor	ADM		999.999	None	Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level.			

1/28/2019 Page 20 of 28

Record Name: Acreage Record Code: P11 Reinsurance Year: 2017 Version: Approved

Release Date: 2/7/2019

Record Code: P11			Release Date:	: 2/7/2019	
	Effective Coverage Level Percent	Internal	99.9999	None	
Round(Base Enterprise Unit Residual Factor + (Upper Enterprise Unit Residual Factor = Bound Enterprise Unit Residual Factor) * (Effective Coverage (continued)	Floored Effective Coverage Level Percent	Internal	99.9999	None	Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be the Effective Coverage Level Percent. If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level.

1/28/2019 Page 21 of 28

Record Name: Acreage Record Code: P11 Reinsurance Year: 2017

Version: Approved

Release Date: 2/7/2019

	Prior Year Enterprise Unit Residual Factor	Internal	999.999	Round to 3 decimal places.	The cap value for the Residual Factors is the MAX(Residual Factor) from all coverage levels within the chosen unit structure
Round(Base Enterprise Prior Year Unit Residual Factor + (Upper Bound Prior Year Enterprise Unit Residual Factor = - Lower Bound Prior Year Enterprise Unit Residual Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 3)	Base Enterprise Prior Year Unit Residual Factor	ADM	999.999	None	Base Enterprise Prior Year Unit Residual Factor is equal to Enterprise Prior Year Unit Residual for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040".
	Upper Bound Prior Year Enterprise Unit Residual Factor	ADM	999.999	None	Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.
	Lower Bound Prior Year Enterprise Unit Residual Factor	ADM	999.999	None	Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level.
	Effective Coverage Level Percent	Internal	99.9999	None	
	Floored Effective Coverage Level Percent	Internal	99.9999	None	Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level.

1/28/2019 Page 22 of 28

Record Name: Acreage Record Code: P11 Reinsurance Year: 2017

Version: Approved

Release Date: 2/7/2019

ection 14: Yield Exclusion (Current Year Base Premium Rate Calculations (only use w	hen the Effective Coverage Level 1	or the record e	xceeds the hi	ghest coverage level for	the offer in the ADM).	
		Unadjusted Liability Amount	Internal		999999999	Round to whole number	
Unadjusted Liability	Unadjusted Liability Round//Coverage Level Percent/Effective Coverage	Coverage Level Percent	P14	34	9.9999	None	
	Unadjusted Liability = Round((Coverage Level Percent/Effective Coverage Level Percent),10) * Premium Liability Amount		Internal		99.9999		
		Premium Liability Amount	Internal		999999999	Round to whole number	
		Max Coverage Level Adjustment Factor	Internal		9999999999999999	Round to 8 decimals.	
	When Unit Structure Code is equal to Optional Unit, "OU", "UA" &"UD:	Unadjusted Liability Amount	Internal		999999999	Round to whole number	
		Current Year Base Rate	Internal		99999999999999	Round to 8 decimals.	
	00 , 0A & 0D.	Premium Liability Amount	Internal		999999999	Round to whole number	
	ROUND(1.00/ Current Year Base Rate,8) –	Base Rate Differential Factor	ADM		9.99999999	None	
Max Coverage Level	ROUND(Unadjusted Liability Amount/(Current Year	Base Unit Residual Factor	ADM		999.999	None	
Adjustment Factor	Base Rate * Premium Liability Amount), 8) + ROUND(ROUND(Base Rate Differential Factor * Base Unit Residual Factor * Unit Structure Discount Factor * Unadjusted Liability Amount,8)/Premium Liability Amount,8)	Unit Structure Discount Factor	ADM		9.99999999	None	Base Optional Unit Structure Discount Factor is equal to Optional Unit Discount Factor for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040". See Section 13 for more info.

1/28/2019 Page 23 of 28

Record Code: P11

Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

	Calculations	<u>Field</u> Name	<u>Record</u> Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules
		Marginal Rate Adjustment Factor	Internal	<u>rumber</u>		Round to 8 decimals.	<u>Kules</u>
	When Unit Structure Code is equal to Ontional Unit	Max Coverage Level Adjustment Factor	Internal		999999999999999999999999999999999999999	Round to 8 decimals.	
When Unit Structure Code is equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, "BU": Max Coverage Level Adjustment Factor /(Rate Differential Factor * Unit Residual Factor * Unit Structure Discount Factor) Marginal Rate Adjustment Factor	"OU", "UA", "UD", or Basic Unit, "BU": Max Coverage Level Adjustment Factor /(Rate	Rate Differential Factor	ADM		9.999999999	None	Edit with ADM Coverage Level Differential, "A01040." See Section 12 for Option Code "TA" (Trend Adjustment) and "YE" (Yield Exclusion).
	Unit Residual Factor	ADM		999.999	None	Edit with ADM Coverage Level Differential, "A01040." See Section 13 for Option Code "TA" (Trend Adjustment) and "YE" (Yield Exclusion).	
		Unit Structure Discount Factor	Internal		9.9999999	None	Capped at 1.0.
	When Unit Structure code is Enterprise Unit, "EU" or "EP": Max Coverage Level Adjustment Factor /(Rate Differential Factor * Enterprise Unit Residual Factor * Unit Structure Discount Factor)	Enterprise Unit Residual Factor	ADM		9.999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 13 for Option Code "TA" (Trend Adjustment) and "YE" (Yield Exclusion) where Unit Structure Code equal to Enterprise Unit, 'EU' or 'EP'.
		Current Year Base Premium Rate	Internal		99999999999999999	Round to 8 decimals.	
	When Unit Structure Code is equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, "BU":	Rate Differential Factor	ADM		9.99999999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 12 for Option Code "TA" (Trend Adjustment) and "YE" (Yield Exclusion).
* Unit Residua	Round(Current Year Base Rate * Rate Differential Factor * Unit Residual Factor, 8) * MIN(Marginal Rate Adjustment Factor, 1.00)	Unit Residual Factor	ADM		999.999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 13 for Option Code "TA" (Trend Adjustment) and "YE" (Yield Exclusion) where Unit Structure Code equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, 'BU'.
		Marginal Rate Adjustment Factor	Internal		9999999999999999	Round to 8 decimals.	
"EP": = Round(Current Year Base Rate * Rate * Enterprise Unit Residual Factor, 8)	When Unit Structure code is Enterprise Unit, "EU" or "EP": Round(Current Year Base Rate * Rate Differential Factor * Enterprise Unit Residual Factor, 8) * MIN(Marginal Rate Adjustment Factor, 1.00)	Enterprise Unit Residual Factor	ADM		9.999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 13 for Option Code "TA" (Trend Adjustment) and "YE" (Yield Exclusion) where Unit Structure Code equal to Enterprise Unit, 'EU' or 'EP'.

1/28/2019 Page 24 of 28

Record Name: Acreage Record Code: P11 Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

Nettoria Code. F11 Netease Date. 2/1/2019										
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	<u>Record</u> <u>Number</u>	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>			
ection 15: Yield Exclusion and Trend APH for CottonseedCurrent Year Base Premium Rate Calculations (only use when the Effective Coverage Level for the record exceeds the highest coverage level for the offer in the ADM).										
		Current Year Base Premium Rate	Internal		9999999999.99999999	Round to 8 decimals.				
	Round(Current Year Base Rate * Rate Differential Factor	Rate Differential Factor	ADM		9.99999999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 12 for Option Code "TA" (Trend Adjustment) and "YE" (Yield Exclusion).			
Current Year Base * Unit Residual Factor, 8) * MIN(Marginal Rate Adjustment Factor, 1.00)	Unit Residual Factor	ADM		999.999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 13 for Option Code "TA" (Trend Adjustment) and "YE" (Yield Exclusion) where Unit Structure Code equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, 'BU'.				
		Marginal Rate Adjustment Factor	Internal		999999999999999999999999999999999999999	Round to 8 decimals.	Copy value over from the base lint line.			
Section 16: Unit Structure	Discount Factor for Yield Exclusion and Trend APH						The lookup/interpolation/extrapolation procedure for 'Optional Unit Discount Factor, Basic Unit Discount Factor, and Enterprise Unit Discount Factor' when Trend Adjustment Option (TA) or Yield Exclusion Option (YE) was chosen and yield reflects a trend.			

1/28/2019 Page 25 of 28

Record Name: Acreage Record Code: P11 Reinsurance Year: 2017 Version: Approved

Release Date: 2/7/2019

When Unit Structure Code is equal to Optional Unit, "OU", "UA", or "UD", use the fo	ollowing calculation for Unit Struct	ure Discount Factor:			
	Unit Structure Discount Factor	Internal	9.99999999	Round to 4 decimal places.	Capped at 1.0
	Base Coverage Level Percent Optional Unit Discount Factor	ADM	9.99999999	None	Base Coverage Level Percent Optional Unit Discount Factor is equal to Percent Optional Discount for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040".
Round(Base Coverage Level Percent Optional Unit Discount Factor + (Upper Bound Coverage Level Percent Unit Structure Discount Factor Factor Level Percent Optional Unit Discount Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 4)	Upper Bound Coverage Level Percent Optional Unit Discount Factor	ADM	9.99999999	None	Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.
		ADM	9.99999999	None	Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level.
	Effective Coverage Level Percent	Internal	99.9999	None	
	Floored Effective Coverage Level Percent	Internal	99.9999	None	Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level.

1/28/2019 Page 26 of 28

Record Name: Acreage Record Code: P11 Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

Color to the Professional State of the Color of the Color

When Unit Structure Code is equal to Basic Unit, 'BU', use the following calculation for Unit Structure Discount Factor:								
	Unit Structure Discount Factor	Internal	9.99999999	Round to 4 decimal places.	Capped at 1.0			
Round(Base Coverage Level Percent Basic Unit Discount Factor + (Upper Bound Coverage Level Percent Basic Unit Structure Discount Unit Discount Factor - Lower Bound Coverage Level Percent Basic Unit Discount Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 4)	Base Coverage Level Percent Basic Unit Discount Factor	ADM	9.99999999	None	Base Coverage Level Percent Basic Unit Discount Factor is equal to Basic Unit Discount Factor for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040".			
	Upper Bound Coverage Level Percent Basic Unit Discount Factor	ADM	9.99999999	None	Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.			
	Lower Bound Coverage Level Percent Basic Unit Discount Factor	ADM		None	Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level.			
	Effective Coverage Level Percent	Internal	99.9999	None				
	Floored Effective Coverage Level Percent	Internal	99.9999	None	Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level.			

1/28/2019 Page 27 of 28

Record Name: Acreage Record Code: P11 Reinsurance Year: 2017 Version: Approved

Release Date: 2/7/2019

When Unit Structure Code is equal to Enterprise Unit, 'EU' or 'EP', use the following calculation for Unit Structure Discount Factor:					
	Unit Structure Discount Factor	Internal	9.99999999	Round to 4 decimal places.	Capped at 1.0
Round(Base Coverage Level Percent Enterprise Unit Discount Factor + (Upper Bound Coverage Level Percent Enterprise Unit Discount Factor - Lower Bound Coverage Level Percent Enterprise Unit Discount Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 4)	Base Coverage Level Percent Enterprise Unit Discount Factor	ADM	9.99999999	None	Base Coverage Level Percent Enterprise Unit Discount Factor is equal to Enterprise Unit Discount Factor for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040".
	Upper Bound Coverage Level Percent Enterprise Unit Discount Factor	ADM	9.99999999	None	Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.
		ADM		None	Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level.
	Effective Coverage Level Percent	Internal	99.9999	None	
	Floored Effective Coverage Level Percent	Internal	99.9999	None	Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level.

1/28/2019 Page 28 of 28