Exhibit Number: P11-9, Plan 90 Record Name: Acreage Record Code: P11 Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

Insurance Plan Code		90 Actual Production History					
	0012 Blueberries	0053 Grapes			0107 Alfalfa Seed		0233 Dark Air Tobacco
	0013 Onions	0054 Apples			0114 Buckwheat		0234 Cigar Filler Tobacco
	0016 Oats	0055 Culti Wild Rice			0132 Cucumbers		0235 Cigar Bindr Tobacco
	0017 Millet	0058 Cranberries			0147 Pumpkins		0236 Cigar Wrapper Tobacco
	0019 Avocados	0059 Silage Sorghum			0156 Sweet Potatoes		0255 Banana
	0022 Cotton Extra Long	0060 Figs			0158 Triticale		0256 Coffee
	0023 Macadamia Nuts	0064 Green Peas			0201 Grapefruit		0257 Papaya
	0028 Almonds	0067 Dry Peas			0202 Lemons		0309 Mandarins/Tangerines
Commodity Code	0029 Walnuts	0069 Mustard					0333 Camelina
	0031 Flax	0072 Cabbage	0072 Cabbage				0396 Sesame
	0033 Forage Production	0074 Mint			0219 Processing Apric	ots	0470 Pistachios
	0034 Peaches	0079 Clary Sage			0220 Fresh Nectarine	5	0501 Olives
	0036 Prunes	0084 Potatoes			0221 Processing Cling	Peaches	6000 Caneberries
	0038 Sugar Cane	0086 Fresh Tomatoes			0222 Processing Frees	tone	
	0039 Sugar Beets	0087 Tomatoes			0223 Fresh Freestone	Peaches	
	0042 Sweet Corn	0089 Pears			0227 Oranges		
	0046 Canning Beans	0092 Fresh Plums			0229 Flue Cured Toba	ссо	
	0047 Dry Beans	0094 Rye	0094 Rye			ссо	
	0049 Safflower	0102 Grass Seed			0231 Burley Tobacco		
	0052 Table Grapes	0105 Fresh Market Beans	0105 Fresh Market Beans			со	
		<u>Field</u>	Record	Field	Field	<u>Field</u>	
	Calculations	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	Rules
tion 1: Liability Calcul	lation						
						When Unit of Measure equal: Pounds, "LBS", then Round to whole Number.	
		Guarantee Per Acre1	Internal		99999999.99	When Unit of Measure equal: Tons, "Tons", then Round to 2 decimals.	Twhole nounds for Dry Reans "00/17" (all tyr
Guarantee Per Acre1 = Approved Yield * Coverage Level Percent					Otherwise, Round to 1 decimal.		
		Approved Yield	P11	42	99999999.99	None	
		Coverage Level Percent	P14	34	9.9999	None	For APH Trend, Yield Cup, and Yield Exclusion the Coverage Level Percent in this section is ALWAYS the chosen coverage level and NO Effective Coverage Level.

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Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

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
Premium Acre Guarantee Quantity = Guarantee Per Acre1 * Yield Conversion Factor	Premium Acre Guarantee Quantity	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number.	Premium Acre Guarantee Quantity should be
	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	106	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" or ADM Guarantee Adjustment, "A01220" for Prevented Planting.
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.

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Record Code: P11

Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

	<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
Total Guarantee Amount = Acre Guarantee Quantity * Reported Acreage	Total Guarantee Amount	P11	103	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.
	Price Election Amount	P11 (Internal)	45	9999.9999	See Appendix III Price Election Amount Rounding Exhibit P11-8.	Result will be capped if based on Contract Price and it exceeds Contract Price Max.
Price Election Amount = ADM Price (or Contract Price) * Price Election Percent	ADM Price	ADM		99999.9999		Edit with ADM Price, "00810".
Find Election Amount - Admirite (of Contract Finds) Finds Election Ferdent	Contract Price	P11	46	9999.9999	None	Contract Price, if applicable, should be entered in the Contract Price field.
	Price Election Percent	P14	35	9.9999	None	
Premium Total Guarantee Amount * Price Election	Premium Liability Amount	Internal		999999999	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	
Share Percent	Price Election Amount	P11	45	9999.9999	None	Edit with ADM Price, "A00810".
Silate refuellu	Insured Share Percent	P11	43	9.9999	None	
Total Guarantee Amount * Price Election Amount *	Liability Amount	P11	94	999999999	Round to whole number.	
Liability Amount = Insured Share Percent	Price Election Amount	P11	45	9999.9999	None	
	Insured Share Percent	P11	43	9.9999	None	
For Mustard (commodity 0069):	Liability Amount	P11	94	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	

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Prior Year Exponent Value

Exhibit Number: P11-9, Plan 90 Record Name: Acreage Record Code: P11 Reinsurance Year: 2019

Version: Approved

Release Date: 12/6/2019

S99.999

Edit with ADM Base Rate, "A01010".

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 P15 35 99999999.99 Rate Yield None Reference Yield ADM 99999.99 None Edit with ADM Base Rate, "A01010". When previous year yield limitation code = '03', Insurance Option Code List contains Yield Cup (YC), and Commodity Code Dry Beans "0047" and Type Code equals Contract "62", or Commodity Code equals Dry Peas "0067" and Type Code equals Spring Contract "98": Prior Year Yield Ratio Internal 999999.99 Round to 2 decimals. Prior Year Yield Ratio = Round(Approved Yield * Contract Price,0) / Prior Year 99999999.99 P11 42 Approved Yield None Reference Amount Contract Price P11 46 9999.9999 None ADM 99999.99 Prior Year Reference Amount None Edit with ADM Base Rate, "A01010". When previous year yield limitation code = '03' and Insurance Option Code List contains Yield Cup (YC) and the aforementioned commodities/types are not applicable: Prior Year Yield Ratio Internal 9999999.99 Round to 2 decimals. Approved Yield 42 9999999.99 Prior Year Yield Ratio = Approved Yield / Prior Year Reference Amount P11 None Prior Year Reference Amount ADM 99999.99 Edit with ADM Base Rate, "A01010". None Otherwise: Prior Year Yield Ratio Internal 9999999.99 Round to 2 decimals. Prior Year Yield Ratio = Rate Yield / Prior Year Reference Amount Rate Yield P15 35 9999999.99 None Prior Year Reference Amount ADM 99999.99 None Edit with ADM Base Rate, "A01010". Current Year Rate = Current Year Yield Ratio ^ Exponent Value Current Year Rate Multiplier 999999.99999999 Internal Round to 8 decimals. Exponent Value ADM S99.999 Edit with ADM Base Rate, "A01010". None Prior Year Rate Multiplier Internal 999999.9999999 Round to 8 decimals. Prior Year Rate Multiplier = Prior Year Yield Ratio ^ Prior Year Exponent Value

ADM

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Record Code: P11

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	Calculations	<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>
	When Rate Method Code equals Fixed Rate, "F":	Current Year Base Rate	Internal		999999.99999999	Round to 8 decimals.	
	Sub County Rate						
Current Year Base Rate :	When Rate Method Code equals Additive, "A": Sub County Rate + (Current Year Rate Multiplier * Reference Rate + 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 * (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".
	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 + (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".
Prior Year Base Rate =	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".

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Exhibit Name: Premium Calculation **Exhibit Number:** P11-9, Plan 90

Record Name: Acreage Record Code: P11 Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

	Field	Record	Field	Field	Field	
<u>Calculations</u>	<u>Name</u>	Number	Number	<u>Format</u>	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 "YC", "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		9.9999999	None	Edit with ADM Coverage Level Differential, "A01040". When Option Code 'YC', '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'YC', 'YE' or 'TA' is elected, see section 13.
When previous year yield limitation code = '03' and Insurance Option Code List cont	ains Yield Cup (YC):					
	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".
Prior Year Base Premium = Prior Year Base Rate * 1.05 * Prior Year Rate Differential Rate = Factor * 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.

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Exhibit Number: P11-9, Plan 90 Record Name: Acreage Record Code: P11 Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

Otherwise:

rtnerwise:							
		Prior Year Base Premium Rate	Internal		999999.9999999	Round to 8 decimals.	
		Prior Year Rate Differential Factor	ADM		9.99999999	None	Edit with ADM Coverage Level Differential, "A01040". When Option Code 'YC', 'YE' or 'TA' is elected see section 12.
Prior Year Base Premium Rate =	Prior Year Base Rate * Prior Year Rate Differential Factor * 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 Facto When Option Code 'YC', '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	97	999999.99999999	None	
	Calculations	<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> Rounding	Rules
ction 3: Optional Coverage	ge Calculation						
		Additive Optional Rate Adjustment Factor	Internal		999999.9999	Round to 4 decimals.	
Additive Optional Bate	When Rate Method Code = A	Option Rate	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".
Additive Optional Rate = 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 'YC', 'YE' or 'TA' is elected see section 12.
	When Rate Method Code = M	Multiplicative Optional Rate	Internal		999999.9999	Round to 4 decimals.	
Multiplicative Optional = Rate Adjustment Factor	=	Adjustment Factor					

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

Record Code: P11

Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

Section 4: Premium Rate Calculation									
	Premium Rate	Internal		999999.99999999	Round to 8 decimals.	Premium Rate is capped at 0.99900000.			
Base Premium Rate * Unit Structure Discount Factor * Premium Rate = Multiplicative Optional Rate Adjustment Factor + Additive 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. 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.			

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Exhibit Number: P11-9, Plan 90 Record Name: Acreage Record Code: P11 Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

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

Section 5. Total Fremium, Subsidy, and Froducer Fremium Calculation									
	Preliminary Total Premium Amount	Internal		999999999	Round to whole number				
Preliminary Total Premium Liability Amount * Premium Rate * Experience Premium Amount Factor * Premium Surcharge Percent	Experience Factor	P11	47	9.999	None	Must be a value between minimum and maximum on ICE, "D10023".			
	Premium Surcharge Percent	Internal		9.99		When Surcharge Applied Flag equals "Y", then Premium Surcharge Percent must equal 0.05, otherwise must equal 0.00. Does not apply when option "YC" is elected. Set to 1.00.			
Total Premium Amount = Preliminary Total Premium Amount * Multiple	Total Premium Amount	P11	95	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	93	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	96	999999999	Round to whole number				

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Record Code: P11

Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

<u>Field</u> Field **Field** Field Record **Calculations Name** Number Number **Format** Rounding Rules Information (Approved Yield, Rate Yield, Reported Acreage, Insured Share Percent, Base Premium Rate) will be obtained from ELS Cotton P11 record associated with the Cottonseed record. Cottonseed Endorsement Option 'SE' If Yield Cup, Yield Exclusion or Trend APH is elected, see section 14 and 15 for the current year base premium rate calculation when the Effective Coverage Level exceeds the MAX ADM coverage level. Section 6: Liability Calculation Round to whole Number. Modified Yield Internal 99999999.99 P11 42 99999999.99 From ELS cotton P11 record. Modified Yield = Approved Yield * Option Conversion Factor Approved Yield None **Option Conversion Factor** ADM 9.9999 None Edit with ADM Option Rate, "A01060". Round to whole Number. Guarantee Per Acre1 Internal 99999999.99 For APH Trend and Yield Exclusion the Coverage Guarantee Per Acre1 = Modified Yield * Coverage Level Percent Level Percent in this section is ALWAYS the P14 9.9999 Coverage Level Percent 34 None chosen coverage level and NOT the Effective Coverage Level. Premium Acre Guarantee = Guarantee Per Acre1 Round to whole Number. Premium Acre Guarantee 99999999.99 Internal Quantity Quantity Acre Guarantee Quantity P11 106 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" or ADM Guarantee Adjustment, 'A01220" for Prevented Planting. Premium Total Guarantee 99999999.99 Internal Round to whole number. Amount 48 Reported Acreage P11 999999.99 None From ELS cotton P11 record. P11 103 **Total Guarantee Amount** 9999999.99 Round to whole number. Total Guarantee Amount = Acre Guarantee Quantity * Reported Acreage P11 48 From ELS cotton P11 record. Reported Acreage 999999.99 None 999999999 Premium Liability Amount Round to whole number Internal Premium Liability Amount = Premium Total Guarantee Amount * Price Election Amount * Insured Share Percent Edit with ADM Price, "A00810". Will always 45 Price Election Amount 9999.9999 None equal 100% of Cottonseed Established Price. P11 P11 43 9.9999 Insured Share Percent None Liability Amount = Total Guarantee Amount * Price Election Amount * P11 Liability Amount 94 999999999 Round to whole number. 45 9999.9999 Price Election Amount P11 None **Insured Share Percent Insured Share Percent** P11 43 9.9999 None

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Record Code: P11

Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

	Calculations	<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>			
Continue 7. O. II.	Calculations	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	Rules		
Section 7: Optional Covera	ge Calculation	In this case is a							
		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 'YC', '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".		
Section 8: Premium Rate Co	alculation								
		Premium Rate	Internal		999999.9999999	Round to 8 decimals.			
		Base Premium Rate	P11	97	999999.99999999	None	From ELS cotton P11 record.		
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	From ELS cotton P11 record. 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. When Unit Structure Code equals "EU" or "EP," then Unit Structure Discount Factor equals Enterprise Unit Discount Factor.		
Section 9: Total Premium,	Subsidy, and Producer Premium Calculation								
		Preliminary Total Premium Amount	Internal		999999999	Round to whole number			
		Experience Factor	P11	47	9.999	None	Must be a value between minimum and maximum on ICE, "D10023".		
Preliminary Total Premium Amount	Preliminary Total Premium Liability Amount * Premium Rate * Experience 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. Does not apply when option "YC" is elected. Set to 1.00.		
	Preliminary Total Premium Amount * Multiple	Total Premium Amount	P11	95	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 :	ount = Total Premium Amount * Subsidy Percent	Subsidy Amount	P11	93	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	96	999999999	Round to whole number			

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Record Code: P11

Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

	<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>	<u>Rounding</u>	<u>Rules</u>
Section 10: Beginning Farmer and Rancher (BFR), Veteran Farmer Rancher (VFR), Na	tive Sod (NS) and Conservation Co	mpliance (CC) S	Subsidy Calcul	ations		
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.
,	Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070".
BFR/VFR Subsidy Amount = Total Premium Amount * 0.10 * (1 - CC Subsidy Reduction Percent)	BFR/VFR Subsidy Amount	Internal		999999999	Round to whole number	Beginning Farmer Rancher/Veteran 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 Amount = Base Subsidy Amount * CC Subsidy Reduction Percent	CC Subsidy Reduction Amount	P11	111	999999999	Round to whole number	CC Subsidy Reduction Amount. If Applicable; else 0.
Base Subsidy Amount + BFR/VFR Subsidy Amount - Subsidy Amount = Native Sod Subsidy Amount - CC Subsidy Reduction Amount	Subsidy Amount	P11	93	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	96	999999999	Round to whole number	
Trend APH (Option 'TA'), Yield Cup (Option 'YC'), and Yield Exclusion (Option 'YE')		Trend Adjustment Option (TA), Yield Cup Option (YC), and Yield Exclusion Option (YE) ONLY available in select counties for selected crops.				
Section 11: Effective Coverage Level Calculation						
When Commodity Code equals Dry Beans "0047" and Type Code equals Contract "6	2". or Commodity Code equals Dry	Peas "0067" ar	d Type Code	equals Spring Contract	"98":	
, ,	, , , , , , , , , , , , , , , , , , , ,		,,			

When Commodity Code equals Dry Beans "0047" and Type Code equals Contract "62", or Commodity Code equals Dry Peas "0067" and Type Code equals Spring Contract "98":										
	Effective Coverage Level Percent	Internal		99.9999	Round to 2 decimals.					
	Coverage Level Percent	P14	34	9.9999	None					
Effective Coverage Level = Coverage Level Percent * Round(Approved Yield * Percent	Approved Yield	P11	42	99999999.99	None	For APH Trend, Yield Cup, and Yield Exclusion, the Approved Yield will be the greater of the calculated Approved Yield and the Adjusted Yield. For skip row commodities, the approved yield is the converted Approved Yield from the P15 record with skip row (yield conversion factor) applied.				
	Contract Price	P11	46	9999.9999	None					
	Adjusted Yield	P15	44	99999999.99	None	For skip row commodities, the Adjusted Yield is the converted Adjusted Yield from the P15 record with skip row (yield conversion factor) applied.				

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Exhibit Name: Premium Calculation **Exhibit Number:** P11-9, Plan 90

Record Name: Acreage Record Code: P11 Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

For all others:

	Effective Coverage Level Percent	Internal		99.9999	Rounded to 2 decimal places.	
Effective Coverage Level = Coverage Level Percent * Approved Yield/Adjusted Yield	Coverage Level Percent	P14	34	9.9999	None	
	Approved Yield	P11	42	99999999.99	None	For APH Trend, Yield Cup, 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	
<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>

Section 12: Rate Differential Factor

When the Insurance Option Code List contains Options "YE" or "YC":

When Trend Adjustment Option (TA) was chosen and yield reflects a trend or when Yield Cup Option "YC" was chosen or when Yield Exclusion Option "YE" was chosen.

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

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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 existing ADM Coverage Levels then this will be (1+ (ROUND (MIN (((MAX (0.85, Effective Coverage based on the higher ADM Coverage Level. Level Percent) -0.85) / 0.15) ,1)3 ,7)) * 0.05) * If the Effective Coverage Level is greater than (Round(Base Rate Differential Factor + (Upper Bound Rate Differential Factor = the maximum ADM Coverage Level then this will Rate Differential Factor - Lower Bound Rate be based on the highest ADM Coverage Level. Differential Factor) * (Effective Coverage Level Percent - 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 None If the Effective Coverage Level Percent falls 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. Effective Coverage Level Percent Internal 99.9999 None

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Exhibit Name: Premium Calculation Exhibit Number: P11-9, Plan 90

Record Name: Acreage

Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

Record Code: P11

				1			
Rate Differential Factor (continued)	(1+ (ROUND (MIN (((MAX (0.85,Effective Coverage Level Percent) -0.85) / 0.15) ,1) ³ ,7)) * 0.05) * (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))	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".
Prior Year Rate Differential Factor =	Round(Base Prior Year Rate Differential Factor + (Upper Bound Prior Year Rate Differential Factor - Lower Bound Prior Year Rate Differential Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 9)	Upper Bound Prior Year Rate Differential 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.

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Exhibit Name: Premium Calculation Exhibit Number: P11-9, Plan 90

Record Name: Acreage

Reinsurance Year: 2019
Version: Approved
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Record Code: P11

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. Lower Bound Prior Year Rate ADM 9.99999999 If the Effective Coverage Level falls between None Differential Factor 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. Round(Base Prior Year Rate Differential Factor + (Upper Prior Year Rate Bound Prior Year Rate Differential Factor - Lower Bound Differential Factor = Prior Year Rate Differential Factor) * (Effective Coverage | Effective Coverage Level Percent 99.9999 Internal None (continued) Level Percent - Floored Effective Coverage Level Based on the 'floored' Coverage Level. Edit with Percent) * 20, 9) 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 Floored Effective Coverage Level Internal 99.9999 will be the lower ADM Coverage Level. None Percent If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level.

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

Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

When Trend Adjustment Option "TA" is elected alone (excludes "YC" and "YE")									
	Rate Differential Factor	Internal	9.99999999	Round to 9 decimal places					
	Base Rate Differential Factor	ADM	9.99999999	None	Base Rate Differential Factor is equal to 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 Rate Differential Factor + (Upper Bound Rate Differential Factor = Rate Differential Factor - Lower Bound Rate Differential Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 9)	Upper Bound Rate Differential 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 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.				
	Effective Coverage Level Percent	Internal	99.9999	None					

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Exhibit Name: Exhibit Number: Record Name: Record Code:		Reinsurance Year: Version: Release Date:			
Round(Base Rate Differential Factor + (Upper Bound Rate Differential Factor = Rate Differential Factor - Lower Bound Rate Differential (continued) = 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.

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Exhibit Number: P11-9, Plan 90 Record Name: Acreage Record Code: P11 Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

Internal Prior Year Rate Differential Factor 9.99999999 Round to 9 decimal places. Base Prior Year Rate Differential Factor is equal to Prior Year Rate Differential for Minimum of 1) Maximum available Coverage Level or; 2) Base Prior Year Rate Differential ADM 9.99999999 None available Coverage Level less than or equal to Factor 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 Prior Year Rate the Effective Coverage Level. ADM 9.99999999 None Differential Factor If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be Round(Base Prior Year Rate Differential Factor + (Upper based on the higher ADM Coverage Level. Bound Prior Year Rate Differential Factor - Lower Bound Prior Year Rate If the Effective Coverage Level is greater than = Prior Year Rate Differential Factor) * (Effective Coverage **Differential Factor** the maximum ADM Coverage Level then this will Level Percent - Floored Effective Coverage Level be based on the highest ADM Coverage Level. Percent) * 20, 9) 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. Lower Bound Prior Year Rate ADM 9.99999999 None If the Effective Coverage Level falls between Differential Factor 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 99.9999 Internal None

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Exhibit Name: Premium Calculation Exhibit Number: P11-9, Plan 90 Record Name: Acreage Record Code: P11			Reinsurance Yea Versioi Release Dato	Donal on the life and Courses Land Editorish	
Round(Base Prior Year Rate Differential Factor + (Upper Prior Year Rate Bound Prior Year Rate Differential Factor - Lower Bound Differential Factor = Prior Year Rate Differential Factor) * (Effective Coverage (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 ar existing ADM Coverage Level Percent. If the Effective Coverage Level Percent falls between existing ADM 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.

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Exhibit Number: P11-9, Plan 90 Record Name: Acreage Record Code: P11 Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

<u>Field</u> Record Field **Field** 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 Cup Option "YC" was chosen 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 999.999 Base Unit Residual Factor ADM 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, "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 Upper Bound Unit Residual Factor ADM 999.999 None will be based on the higher ADM Coverage Level. If the Effective Coverage Level Percent is greater Round(Base Unit Residual Factor + (Upper Bound Unit than the maximum ADM Coverage Level then Residual Factor - Lower Bound Unit Residual Factor) * this will be based on the highest ADM Coverage Unit Residual Factor = (Effective Coverage Level Percent - Floored Effective Level. Coverage Level Percent) * 20, 3) 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. Lower Bound Unit Residual Factor ADM 999.999 None 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

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Exhibit Name Exhibit Number Record Name Record Code		Reinsurance Year: Version: Release Date:	Approved		
Unit Residual Factor + (Upper Bound Unit Unit Residual Factor = Residual Factor - Lower Bound Unit Residual Factor) * (continued) = (Effective Coverage Level Percent - Floored Effective 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 Percent. If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Levels. If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level.

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Record Code: P11

Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

Calculations	<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> Rounding	Rules
	Prior Year 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 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".
Prior Year Unit Residual Factor 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) Round(Base Prior Year Unit Residual Factor + (Upper Bound Prior Year Unit Residual Factor) * (Effective Coverage Level Percent) * 20, 3)	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	

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Exhibit Name: Premium Calculation Exhibit Number: P11-9, Plan 90 Record Name: Acreage Record Code: P11			Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019			
Prior Year Unit Residual Factor + (Upper Bound Prior Year Unit Residual Factor - Lower Bound Prior Year Unit Residual Factor (continued) Factor (continued) Prior Year Unit Residual Factor - Lower Bound Prior Year Unit Residual Factor) * (Effective 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 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.

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Exhibit Name: Premium Calculation **Exhibit Number:** P11-9, Plan 90

Record Name: Acreage Record Code: P11 Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

		· 	1	1	1	
<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>
When Unit Structure Code is equal to Enterprise Unit, 'EU' or 'EP', use the following	calculations for Enterprise Unit Res	sidual Factor ar	nd Prior Year E	Enterprise Unit Residua	l 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
Round(Base Enterprise Unit Residual Factor + (Upper Bound Enterprise Unit Residual Factor - Lower Bound Enterprise Unit Residual Factor) * (Effective Coverage Level Percent) * 20, 3)	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 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.
	Effective Coverage Level Percent	Internal		99.9999	None	

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Exhibit Name: Premium Calculation Exhibit Number: P11-9, Plan 90 Record Name: Acreage Record Code: P11				ar: 2019 on: Approved te: 12/6/2019	
Round(Base Enterprise Unit Residual Factor + (Upper Enterprise Unit Residual Factor = Bound Enterprise Unit Residual Factor - Lower Bound Factor = Enterprise Unit Residual Factor) * (Effective Coverage (continued) Level Percent - Floored Effective 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.

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Exhibit Name: Premium Calculation **Exhibit Number:** P11-9, Plan 90

Record Name: Acreage

Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

Record Code: P11

	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	

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Exhibit Name: Premium Calculation Exhibit Number: P11-9, Plan 90 Record Name: Acreage Record Code: P11			Reinsurance Year: Version: Release Date:		
Round(Base Enterprise Prior Year Unit Residual Factor + Prior Year Enterprise Unit (Upper Bound Prior Year Enterprise Unit Residual Factor Residual Factor = - Lower Bound Prior Year Enterprise Unit Residual (continued) Factor) * (Effective Coverage Level Percent - Floored Effective 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 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.

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Exhibit Name: Premium Calculation **Exhibit Number:** P11-9, Plan 90

Record Name: Acreage
Record Code: P11

Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

Section 14: Yield Cup, Yield	Exclusion, and Trend APH Current Year Base Premium Ra	ate Calculations (only use when the	e Effective Cove	erage Level fo	r the record exceeds the	highest coverage level for th	e offer in the ADM).
		Unadjusted Liability Amount	Internal		999999999	Round to whole number	
Unadjusted Liability	Unadjusted Liability Amount = Round((Coverage Level Percent/Effective Coverage Level Percent),10) * Premium Liability Amount	Coverage Level Percent	P14	34	9.9999	None	
		Effective Coverage Level Percent	Internal		99.9999		
	Premium Liability Amount	Internal		999999999	Round to whole number		
		Max Coverage Level Adjustment Factor	Internal		999999999999999	Round to 8 decimals.	
	M/hon Unit Structure Code is equal to Ontional Unit	Unadjusted Liability Amount	Internal		999999999	Round to whole number	
	When Unit Structure Code is equal to Optional Unit, "OU". "UA" &"UD:	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.

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Record Code: P11

Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

	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>
= Marginal Rate Adjustment Factor	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	Internal		9.99999999	Round to 8 decimals.	
		Max Coverage Level Adjustment Factor	Internal		999999999999999	Round to 8 decimals.	
		Rate Differential Factor	ADM		9.99999999	None	Edit with ADM Coverage Level Differential, "A01040." See Section 12 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), 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), "YC" (Yield Cup), 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), "YC" (Yield Cup), and "YE" (Yield Exclusion) where Unit Structure Code equal to Enterprise Unit, 'EU' or 'EP'.
	When Unit Structure Code is equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, "BU":	Current Year Base Premium Rate	Internal		99999999999999999	Round to 8 decimals.	
Current Year Base Premium Rate		Rate Differential Factor	ADM		9.99999999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 12 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), and "YE" (Yield Exclusion).
	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), "YC" (Yield Cup), 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.	
	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). "YC" (Yield Cup), and "YE" (Yield Exclusion) where Unit Structure Code equal to Enterprise Unit, 'EU' or 'EP'.

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Exhibit Number: P11-9, Plan 90 Record Name: Acreage Record Code: P11 Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

<u>Field</u> Record Field Field Field **Calculations** Name Number Number **Format** Rounding Rules Section 15: Yield Cup, Yield Exclusion and Trend APH for Cottonseed -- Current 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 9999999999999999 Round to 8 decimals. Edit with ADM Coverage Level Differential, "A01040". Rate Differential Factor ADM 9.99999999 None See Section 12 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), and "YE" (Yield Round(Current Year Base Rate * Rate Differential Factor Exclusion). * Unit Residual Factor, 8) * MIN(Marginal Rate **Current Year Base** Edit with ADM Coverage Level Differential, Premium Rate Adjustment Factor, 1.00) "A01040". See Section 13 for Option Code "TA" (Trend **Unit Residual Factor** ADM 999.999 Adjustment), "YC" (Yield Cup), and "YE" (Yield None Exclusion) where Unit Structure Code equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, Marginal Rate Adjustment Factor Internal 9999999999999999 Round to 8 decimals. Copy value over from the base lint line.

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Exhibit Name: Premium Calculation Exhibit Number: P11-9, Plan 90

Record Name: Acreage Record Code: P11

Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

Section 16: Unit Structure Discount Factor for Yield Cup, 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), Yield Cup Option (YC), or Yield Exclusion Option (YE) was chosen and yield reflects a

					trend.
When Unit Structure Code is equal to Optional Unit, "OU", "UA", or "UD", use the fo					
	Unit Structure Discount Factor	Internal	9.99999999	Round to 4 decimal places.	Capped at 1.0
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)	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".
	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.
	Lower Bound Coverage Level Percent Optional Unit Discount 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 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	

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Exhibit Name: Premium Calculation Exhibit Number: P11-9, Plan 90 Record Name: Acreage Record Code: P11		Reinsurance Year: Version: Release Date:		
Round(Base Coverage Level Percent Optional Unit Discount Factor + (Upper Bound Coverage Level Percent Optional Unit Discount Factor - Lower Bound Coverage Level Percent Optional Unit Discount Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 4)	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.

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

Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

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 Factor 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	9.999999999	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		

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2019

Version: Approved

Release Date: 12/6/2019 Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing Round(Base Coverage Level Percent Basic Unit Discount ADM Coverage Level then this will be the Factor + (Upper Bound Coverage Level Percent Basic Effective Coverage Level. Unit Structure Discount Unit Discount Factor - Lower Bound Coverage Level Floored Effective Coverage Level Internal 99.9999 If the Effective Coverage Level falls between None Factor (continued) = Percent Basic Unit Discount Factor) * (Effective Percent existing ADM Coverage Levels then this will be Coverage Level Percent - Floored Effective Coverage the lower ADM Coverage Level. Level Percent) * 20, 4) If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level. 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 Base Coverage Level Percent Enterprise Unit Discount Factor is equal to Enterprise Unit Discount Factor for Minimum of 1) Maximum Base Coverage Level Percent ADM 9.99999999 available Coverage Level or; 2) available None **Enterprise Unit Discount Factor** Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040". Round(Base Coverage Level Percent Enterprise Unit Discount Factor + (Upper Bound Coverage Level Percent Unit Structure Discount Enterprise Unit Discount Factor - Lower Bound Based on the 'upper bound' Coverage Level. Edit Factor Coverage Level Percent Enterprise Unit Discount Factor) with ADM Coverage Level Differential, * (Effective Coverage Level Percent - Floored Effective "A01040". Coverage Level Percent) * 20, 4) If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on Upper Bound Coverage Level the Effective Coverage Level. 9 99999999 Percent Enterprise Unit Discount ADM None If the Effective Coverage Level falls between Factor 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.

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Exhibit Name: Premium Calculation Exhibit Number: P11-9, Plan 90

Record Name: Acreage Pecord Code: D11

Reinsurance Year: 2019

Version: Approved Release Date: 12/6/2010

Record Code: P11			Release Date:	Release Date: 12/6/2019		
Round(Base Coverage Level Percent Enterprise Unit Discount Factor + (Upper Bound Coverage Level Percent Unit Structure Discount Enterprise Unit Discount Factor - Lower Bound Factor Coverage Level Percent Enterprise Unit Discount Factor)	Lower Bound Coverage Level Percent Enterprise 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		
* (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 4)	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.	

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