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

Reinsurance Year: 2020 Version: Draft Release Date: 6/3/2021

Effective Coverage Level.

		d Code: P11								
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	3	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			0203 Tangelos		0333 Camelina			
	0031 Flax	0072 Cabbage			0218 Fresh Apricots		0396 Sesame			
	0033 Forage Production	0074 Mint			0219 Processing Apri	cots	0470 Pistachios			
	0034 Peaches	0079 Clary Sage			0220 Fresh Nectarine		0501 Olives			
	0036 Prunes	0084 Potatoes			0221 Processing Clin	g Peaches	1218 Hemp			
	0038 Sugar Cane	0086 Fresh Tomatoes			0222 Processing Free	•	6000 Caneberries			
	0039 Sugar Beets	0087 Tomatoes			0223 Fresh Freeston					
	0042 Sweet Corn		0089 Pears							
	0046 Processing Beans	0092 Fresh Plums			0227 Oranges 0229 Flue Cured Tob	acco				
	0047 Dry Beans	0094 Rye			0230 Fire Cured Toba					
	0049 Safflower	0102 Grass Seed			0231 Burley Tobacco					
	0052 Table Grapes	0105 Fresh Market Beans			0232 Maryland Toba					
	0052 Table Grapes	0103 Fresh Market Beans			0232 Iviai yiailu 100a	cco				
		<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>				
	Calculations	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	Rules			
ion 1: Liability Calcul	lation									
						When Unit of Measure equals				
						Pounds, "LBS", then Round to)			
						whole Number.				
							Guarantee Per Acre1 should be rounded to			
		Guarantee Per Acre1	Internal		99999999.99	When Unit of Measure equals	whole pounds for Dry Beans, "0047" (all ty			
						Tons, "Tons", then Round to	and Dry Peas, "0067" (all types).			
Guarantee Per Acre1 = Approved Yield * Coverage Level Percent						2 decimals.	(* *,)			
						Otherwise, Round to 1				
						decimal.				
		Approved Yield	P11	42	99999999.99	None				
							For APH Trend, Yield Cup, and Yield Exclusion			
		Coverage Level Percent	P14	34	9.9999	None	the Coverage Level Percent in this section is			
				1			ALWAYS the chosen coverage level and NO			

Record Name: Acreage Record Code: P11

	1	1	(Î	T	
	<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	<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	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.

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

Record Code: P11

	<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	<u>Rules</u>
					When Unit of Measure equals	;
					Barrels or Tons, then Round	
	Total Guarantee Amount	P11	103	99999999.99	to 1 decimal.	
	Total Gallantee / imount		103	33333333.33		
Total Guarantee Amount = Acre Guarantee Quantity * Reported Acreage					Otherwise, Round to whole	
					number.	
	Reported Acreage					Described Assessment assessment the same of all
		P11	48	999999.99	None	Reported Acreage must equal the sum of all
		+			Con Annual dia III Balan	Land, P27, Reported Acreage.
	Dries Floation America	D11 (Internal)	45	9999,9999	See Appendix III Price	Result will be capped if based on Contract Price
	Price Election Amount	P11 (Internal)	45	9999.9999	Election Amount Rounding Exhibit P11-8.	and it exceeds Contract Price Max.
					EXIIIDIL P11-0.	
Price Election Amount = ADM Price (or Contract Price) * Price Election Percent	ADM Price	ADM		99999.9999		Edit with ADM Price, "00810".
	Contract Price	P11	46	9999.9999	None	Contract Price, if applicable, should be entered
		PII	40	9999.9999	None	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	
Premium Liability Amount = 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	East With ABWITHEE, Added .
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 Fercent	Insured Share Percent	P11	43	9.9999	None	
	Liability Amount	P11	94	999999999	Round to whole number.	
Total Guarantee Amount * Price Election Amount *	-				Round to whole number.	
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	,	544	22	00000000		
Liability Amount = Amount") * Price Election Amount * Insured Share	Reported Pounds	P11 P11	32	999999999	None	Edit with ADMA Ditas HADDONOU
Percent	Price Election Amount		45	9999.9999	None	Edit with ADM Price, "A00810".
	Insured Share Percent	P11	43	9.9999	None	

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

Record Code: P11

ection 2: Base Premium Rate Calculation						
	Current Year Yield Ratio	Internal		9999999.99	Round to 2 decimals.	Cup at 0.50 and Cap at 1.50.
Current Year Yield Ratio = Rate Yield / Reference Yield	Rate Yield	P15	35	99999999.99	None	
	Reference Yield	ADM		99999.99	None	Edit with ADM Base Rate, "A01010".
hen previous year yield limitation code = '03', Insurance Option Code List contain: ring Contract "98":	s Yield Cup (YC), and Commodity Co	de Dry Beans "	0047" and Ty	pe Code equals Contra	ct "62", or Commodity Code	equals Dry Peas "0067" and Type Code equa
	Prior Year Yield Ratio	Internal		9999999.99	Round to 2 decimals.	
Prior Year Yield Ratio = Round(Approved Yield * Contract Price,0) / Prior Year Reference Amount	Approved Yield	P11	42	99999999.99	None	
	Contract Price	P11	46	9999.9999	None	
	Prior Year Reference Amount	ADM		99999.99	None	Edit with ADM Base Rate, "A01010".
en previous year yield limitation code = '03' and Insurance Option Code List cont	ains Yield Cup (YC) and the aforem	entioned comn	nodities/types	are not applicable:		
	Prior Year Yield Ratio	Internal		9999999.99	Round to 2 decimals.	
Prior Year Yield Ratio = Approved Yield / Prior Year Reference Yield Amount	Approved Yield	P11	42	99999999.99	None	
Phot real field katto – Approved field / Phot real kerefelite field Amount	Prior Year Reference Yield Amount	ADM		99999.99	None	Edit with ADM Base Rate, "A01010".
nerwise:						
	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	99999999.99	None	
	Prior Year Reference Amount	ADM		99999.99	None	Edit with ADM Base Rate, "A01010".
Current Year Rate	Current Year Rate Multiplier	Internal		999999.9999999	Round to 8 decimals.	
= Current Year Yield Ratio ^ Exponent Value	Exponent Value	ADM		\$99.999	None	Edit with ADM Base Rate, "A01010".
ior Voor Poto Multiplior - Drier Voor Viold Potio A Prior Voor Evergrant Value	Prior Year Rate Multiplier	Internal		999999.9999999	Round to 8 decimals.	
rior 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".

Record Name: Acreage Record Code: P11

		Field	Record	Field	Field	Field	
	Calculations	<u>Name</u>	Number	Number	Format	Rounding	Rules
	When Rate Method Code equals Fixed Rate, "F": Sub County Rate	Current Year Base Rate	Internal		999999.99999999	Round to 8 decimals.	
	When Rate Method Code equals Additive, "A": Sub County Rate + (Current Year Rate Multiplier * Reference Rate + Fixed Rate)	Sub County Rate	ADM		9.9999	None	Edit with ADM Sub County Rate, "A01050".
Current Year Base Rate =	The state should be a constant product of the state of th	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": Sub County Rate	Prior Year Base Rate	Internal		999999.99999999	Round to 8 decimals.	
	When Rate Method Code equals Additive, "A": Sub County Rate + (Prior Year Rate Multiplier * Prior Year Reference Rate + Prior Year Fixed Rate)	Sub County Rate	ADM		9.9999	None	Edit with ADM Sub County Rate, "A01050".
	When Rate Method Code equals Multiplicative, "M": Sub County Rate * (Prior Year Rate Multiplier * Prior Year Reference Rate + Prior Year Fixed Rate)	Prior Year Reference Rate	ADM		9.9999	None	Edit with ADM Base Rate, "A01010".
	Otherwise: Prior Year Rate Multiplier * Prior Year Reference Rate + Prior Year Fixed Rate	Prior Year Fixed Rate	ADM		9.9999	None	Edit with ADM Base Rate, "A01010".

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

	<u>Field</u>	Record	Field	Field	<u>Field</u>	
<u>Calculations</u>	<u>Name</u>	Number	Number	<u>Format</u>	Rounding	<u>Rules</u>
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.

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

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Otherwise:							
		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 Factor. 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> <u>Rounding</u>	Rules
Section 3: Optional Coverage	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 'YC', 'YE' or 'TA' is elected, see section 12.
Multiplicative Optional Rate Adjustment Factor	When Rate Method Code = M	Multiplicative Optional Rate Adjustment Factor	Internal		999999.9999	Round to 4 decimals.	
nate Aujustinent ractor	Product (Option Rate(s))	Option Rate	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".

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

Record Code: P11

Reinsurance Year: 2020 Version: Draft

Release Date: 6/3/2021

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.		

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

Record Code: P11

Reinsurance Year: 2020

Version: Draft Release Date: 6/3/2021

Section 5: Total Premium, Subsidy, and Producer Premium Calculation	
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Preliminary Total Premium = Premium Liability Amount * Premium Rate * Experience Amount = Factor * Premium Surcharge Percent	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".
	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 =	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 = Total Premium Amount - Subsidy Amount Amount	Producer Premium Amount	P11	96	999999999	Round to whole number	

Record Code: P11

Reinsurance Year: 2020 Version: Draft Release Date: 6/3/2021

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

Calculations	<u>Field</u> Name	<u>Record</u> Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules
Calculations	Name	<u>INUITIDET</u>	<u>Ivaniber</u>	<u>romac</u>	<u>Rounding</u>	Information (Approved Yield, Rate Yield,
						Reported Acreage, Insured Share Percent, Base
						Premium Rate) will be obtained from ELS Cott
						P11 record associated with the Cottonseed
						record.
ottonseed Endorsement Option 'SE'						record.
ottonseed Endorsement Option 3E						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 ADN
						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.
Modified field - Approved field Option Conversion ractor			42			
	Option Conversion Factor	ADM		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 Coverag
Guarantee Per Acre1 = Modified Yield * Coverage Level Percent						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 Acra Guarantea	Premium Acre Guarantee				Round to whole Number.	
Premium Acre Guarantee Quantity = Guarantee Per Acre1		Internal		9999999.99		
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,
	Guarantee Aujustment ractor	111	05	0.555	None	"A01220" for Prevented Planting.
	Premium Total Guarantee					A01220 for Frevented Flanting.
Premium Total Guarantee	Amount	Internal		99999999.99	Round to whole number.	
Amount Amount	Reported Acreage	P11	48	999999.99	None	From ELS cotton P11 record.
	Total Guarantee Amount	P11	103	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	
					, and the manual	
Premium Liability Amount = Premium Total Guarantee Amount * Price Election	Price Election Amount		45	9999.9999	None	Edit with ADM Price, "A00810". Will always
Amount * Insured Share Percent	Frice Election Amount		43	בבבב.בבב	ivone	equal 100% of Cottonseed Established Price.
	Leaves d Chana Barrant	P11	42	0.0000	News	
	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 = Total Guarantee Amount * Price Election Amount * Insured Share Percent	Price Election Amount	P11	45	9999.9999	None	
	Insured Share Percent	P11	43	9.9999	None	

Record Name: Acreage Record Code: P11

	Calculations	<u>Field</u>	<u>Record</u> Number	<u>Field</u> Number	<u>Field</u>	<u>Field</u>				
Castian 7: Outland Course		<u>Name</u>	Number	Number	<u>Format</u>	Rounding	Rules			
Section 7: Optional Coverage 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		9.9999999	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 Ca	lculation									
		Premium Rate	Internal		999999.9999999	Round to 8 decimals.				
		Base Premium Rate	P11	97	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.			
Section 9: Total Premium, S	ubsidy, and Producer Premium Calculation				ı					
		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 = Premium Liability Amount * Premium Rate * Experience 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 =	t = 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				

Record Name: Acreage Record Code: P11

Oderlater	<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>	
<u>Calculations</u> Section 10: Beginning Farmer and Rancher (BFR), Veteran Farmer Rancher (VFR), Na	Name Name Name	Number	Number	<u>Format</u>	Rounding	Rules
Section 10. Deginning ratiner and nameter (DTN), veteral ratiner nameter (VTN), ne			absidy calcula			
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 Amount = Total Premium Amount Subsidy Percent	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 = 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') Section 11: Effective Coverage Level Calculation						Trend Adjustment Option (TA), Yield Cup Option (YC), and Yield Exclusion Option (YE) ONLY available in select counties for selected crops.
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 e	equals Spring Contract	t "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 = Contract Price,0) / Adjusted Yield	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.
For all others:						

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	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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	Rate Differential Factor	Internal	9.99999999	Round to 9 decimal places	
(1+ (ROUND (MIN (((MAX (0.85,Effective Coverage Level Percent) -0.85) / 0.15) ,1)³ ,7)) * 0.05) * Rate Differential Factor = (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))	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".
	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	
(1+ (ROUND (MIN (((MAX (0.85,Effective Coverage Level Percent) -0.85) / 0.15) ,1) ³ ,7)) * 0.05) * Rate Differential Factor (contintued) 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.

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		Prior Year Rate Differential Factor	Internal	9.99999999	Round to 9 decimal places.	
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)	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".	
	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 falls between existing ADM Coverage Level sthen 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 then this will be based on the highest ADM Coverage Level.	
		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 falls between existing ADM 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	

Exhibit Name: Premium Calculation Exhibit Number: P11-9, Plan 90 Record Name: Acreage Record Code: P11			Reinsurance Year: 2020 Version: Draft Release Date: 6/3/2021				
Prior Year Rate Differential Factor (continued) Bound Prior Year Prior Year Rate Differential			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.

Exhibit Number: P11-9, Plan 90 Record Name: Acreage Record Code: P11 Reinsurance Year: 2020 Version: Draft Release Date: 6/3/2021

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 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 the Effective Coverage Level. If the Effective Coverage Level falls between Upper Bound Rate Differential ADM 9.99999999 existing ADM Coverage Levels then this will be None Factor based on the higher ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will Round(Base Rate Differential Factor + (Upper Bound be based on the highest ADM Coverage Level. Rate Differential Factor - Lower Bound Rate Differential Rate Differential Factor = 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. If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this Lower Bound Rate Differential 9.99999999 will be based on the lower ADM Coverage Level. ADM None Factor 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 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. Round(Base Rate Differential Factor + (Upper Bound If the Effective Coverage Level Percent falls Rate Differential Factor Rate Differential Factor - Lower Bound Rate Differential Floored Effective Coverage Level Internal 99.9999 None between existing ADM Coverage Levels then this (continued) Factor) * (Effective Coverage Level Percent - Floored Percent will be the lower ADM Coverage Level. Effective Coverage Level Percent) * 20, 9) 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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		Prior Year Rate Differential Factor	Internal	9	9.99999999	Round to 9 decimal places.	
Round(Base Prior Year Rate Differential Factor + (Upper Bound Prior Year Rate Differential Factor - Lower Bound Prior Year Rate Differential Factor - Factor Factor Level Percent - Floored Effective Coverage Level Percent) * 20, 9)	Base Prior Year Rate Differential Factor	ADM	ç	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".	
	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.	
	Lower Bound Prior Year Rate Differential Factor	ADM	Ç	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.	
		Effective Coverage Level Percent	Internal		99.9999	None	
Prior Year Rate Differential Factor (continued)	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)	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.

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

Record Code: P11 Release Date: 6/3/2021							
Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>	
Section 13: Unit Residual Factor	The lookup/interpolation/extrapolation procedure for 'Unit Residual Factor and Prior Unit Residual Factor' 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.						
When Unit Structure Code is equal to Optional Unit, "OU", "UA", "UD", or Basic Uni	it, "BU", use the following calculation	ons for Unit Res	sidual Factor a	and Prior Year Unit Res	idual Factor:		
	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 Unit Residual Factor	ADM		999.999	None	Base Unit Residual Factor is equal to 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".	
Round(Base Unit Residual Factor + (Upper Bound Unit Residual Factor - Lower Bound Unit Residual Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 3)	Upper Bound 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 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		

Exhibit Name: Premium Calculation Exhibit Number: P11-9, Plan 90 Reinsurance Year: 2020 Record Name: Acreage Version: Draft Record Code: P11 Release Date: 6/3/2021 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. Round(Base Unit Residual Factor + (Upper Bound Unit If the Effective Coverage Level Percent falls Unit Residual Factor $_$ Residual Factor - Lower Bound Unit Residual Factor) * Floored Effective Coverage Level Internal 99.9999 None between existing ADM Coverage Levels then this (continued) (Effective Coverage Level Percent - Floored Effective Percent will be the lower ADM Coverage Level. Coverage Level Percent) * 20, 3) If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level.

Record Name: Acreage Record Code: P11

	<u>Field</u>	Record	Field	Field	Field	
<u>Calculations</u>	<u>Name</u>	Number	Number	Format	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
Prior Year Unit Residual Factor + (Upper Bound Prior Year Unit Residual Factor - Lower 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	
Round(Base Prior Year Unit Residual Factor + (Upper Bound Prior Year Unit Residual Factor - Lower Bound Factor (continued) = Prior Year Unit Residual 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.

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

	<u>Field</u>	Record	Field	Field	Field						
<u>Calculations</u>	<u>Name</u>	Number	Number	<u>Format</u>	Rounding	<u>Rules</u>					
When Unit Structure Code is equal to Enterprise Unit, 'EU' or 'EP', use the following	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:										
Round(Base Enterprise Unit Residual Factor + (Upper Bound Enterprise Unit Residual Factor - Lower Bound Enterprise Unit Residual Factor) * (Effective Coverage Level Percent) * 20, 3)	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.					
	Effective Coverage Level Percent	Internal		99.9999	None						

Exhibit Name: Premium Calculation Exhibit Number: P11-9, Plan 90 Reinsurance Year: 2020 Version: Draft Record Name: Acreage Record Code: P11 Release Date: 6/3/2021 Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level Percent equals an Round(Base Enterprise Unit Residual Factor + (Upper existing ADM Coverage Level then this will be **Enterprise Unit Residual** Bound Enterprise Unit Residual Factor - Lower Bound the Effective Coverage Level Percent. Floored Effective Coverage Level Factor = Enterprise Unit Residual Factor) * (Effective Coverage Internal 99.9999 None If the Effective Coverage Level Percent falls Percent (continued) Level Percent - Floored Effective Coverage Level between existing ADM Coverage Levels then this Percent) * 20, 3) 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.

Exhibit Number: P11-9, Plan 90 Record Name: Acreage Reinsurance Year: 2020 Version: Draft Release Date: 6/3/2021

Record Code: P11

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Round(Base Enterprise Prior Year Unit Residual Factor + Prior Year Enterprise Unit Residual Factor Residual Factor Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 3)	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
	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	
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)	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.

Exhibit Number: P11-9, Plan 90
Record Name: Acreage
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ection 14: Yield Cup, Yield	Exclusion, and Trend APH Current Year Base Premium Ra	ate Calculations (only use when the	Effective Cove	rage Level for	r the record exceeds the	highest coverage level for the	ne offer in the ADM).
		Unadjusted Liability Amount	Internal		999999999	Round to whole number	
Unadjusted Liability Round((Coverage Level Percent/Effective Coverage Amount Level Percent),10) * Premium Liability Amount	Round//Coverage Level Percent/Effective Coverage	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.		
	When this Structure Code is acrual to Outland this	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	
May Coverage Level	` '	Base Unit Residual Factor	ADM		999.999	None	
Max Coverage Level Adjustment Factor 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 equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040". See Section 13 for more info.	

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

Record Code: P11

Reinsurance Year: 2020 Version: Draft Release Date: 6/3/2021

Field Record Field Field Field Number Calculations Name Number **Format** Rounding Rules Marginal Rate Adjustment Factor Internal 9.9999999 Round to 8 decimals. Max Coverage Level Adjustment Internal 999999999999999 Round to 8 decimals. Factor Edit with ADM Coverage Level Differential, When Unit Structure Code is equal to Optional Unit, "A01040." "OU", "UA", "UD", or Basic Unit, "BU": Rate Differential Factor ADM 9.999999999 None See Section 12 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), and "YE" (Yield Max Coverage Level Adjustment Factor /(Rate Differential Factor * Unit Residual Factor * Unit Edit with ADM Coverage Level Differential, Structure Discount Factor) "A01040." Marginal Rate Adjustment Unit Residual Factor ADM 999.999 None See Section 13 for Option Code "TA" (Trend Factor 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 Edit with ADM Coverage Level Differential, "A01040". See Section 13 for Option Code "TA" (Trend Enterprise Unit Residual Factor ADM 9.999 None Max Coverage Level Adjustment Factor /(Rate Adjustment), "YC" (Yield Cup), and "YE" (Yield Differential Factor * Enterprise Unit Residual Factor * Exclusion) where Unit Structure Code equal to Unit Structure Discount Factor) Enterprise Unit, 'EU' or 'EP'. 9999999999999999 Round to 8 decimals. Current Year Base Premium Rate Internal Edit with ADM Coverage Level Differential, "A01040". When Unit Structure Code is equal to Optional Unit, Rate Differential Factor ADM 9.99999999 None See Section 12 for Option Code "TA" (Trend "OU", "UA", "UD", or Basic Unit, "BU": Adjustment), "YC" (Yield Cup), and "YE" (Yield Exclusion). Edit with ADM Coverage Level Differential, Round(Current Year Base Rate * Rate Differential Factor "A01040". * Unit Residual Factor, 8) * MIN(Marginal Rate See Section 13 for Option Code "TA" (Trend Current Year Base Adjustment Factor, 1.00) Unit Residual Factor ADM 999.999 None Adjustment), "YC" (Yield Cup), and "YE" (Yield Premium Rate Exclusion) where Unit Structure Code equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, 'BU'. Marginal Rate Adjustment Factor Round to 8 decimals. Internal 9999999999999999 When Unit Structure code is Enterprise Unit, "EU" or Edit with ADM Coverage Level Differential, "A01040". See Section 13 for Option Code "TA" (Trend Enterprise Unit Residual Factor ADM 9.999 None Round(Current Year Base Rate * Rate Differential Factor Adjustment). "YC" (Yield Cup), and "YE" (Yield Enterprise Unit Residual Factor, 8) * MIN(Marginal Exclusion) where Unit Structure Code equal to Rate Adjustment Factor, 1.00) Enterprise Unit, 'EU' or 'EP'.

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

	<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	Rules			
Section 15: Yield Cup, 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).										
	Round(Current Year Base Rate * Rate Differential Factor Current Year Base * Unit Residual Factor, 8) * MIN(Marginal Rate Adjustment Factor, 1.00)	Current Year Base Premium Rate	Internal		99999999999999999	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) 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.	Copy value over from the base lint line.			

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Release Date: 6/3/2021

Section 16: Unit Structure Discount Factor for Yield Cup, Yield Exclusion and Trend

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

APH When Unit Structure Code is equal to Optional Unit, "OU", "UA", or "UD", use the fo	Unit Structure Discount Factor Base Coverage Level Percent Optional Unit Discount Factor	ure Discount Fa	9.999999999999999999999999999999999999	Round to 4 decimal places. None	Discount Factor' when Trend Adjustment Option (TA), Yield Cup Option (YC), or Yield Exclusion Option (YE) was chosen and yield reflects a trend. Capped at 1.0 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,
Round(Base Coverage Level Percent Optional Unit Discount Factor + (Upper Bound Coverage Level Percent Unit Structure Discount Factor - Optional Unit Discount Factor - Lower Bound Coverage Level Percent Optional Unit Discount Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 4)		ADM	9.999999999	None	"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 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	

Exhibit Name: Premium Calculation Reinsurance Year: 2020 Exhibit Number: P11-9, Plan 90 Record Name: Acreage Version: Draft Record Code: P11 Release Date: 6/3/2021 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 Optional Unit ADM Coverage Level then this will be the Discount Factor + (Upper Bound Coverage Level Percent Effective Coverage Level. Unit Structure Discount Optional Unit Discount Factor - Lower Bound Coverage Floored Effective Coverage Level If the Effective Coverage Level falls between Internal 99.9999 None Level Percent Optional Unit Discount Factor) * (Effective Percent existing ADM Coverage Levels then this will be (continued) 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.

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

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 - 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				
Unit Structure Discount Factor (continued)	Round(Base Coverage Level Percent Basic Unit Discount Factor + (Upper Bound Coverage Level Percent Basic Unit Discount Factor - Lower Bound Coverage Level Percent Basic 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.			
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			

Percent

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existing ADM Coverage Levels then this will be

If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will

the lower ADM Coverage Level.

be the highest ADM Coverage Level.

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 None available Coverage Level or; 2) available **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 Based on the 'upper bound' Coverage Level. Edit Unit Structure Discount Enterprise Unit Discount Factor - Lower Bound Coverage with ADM Coverage Level Differential, "A01040" Factor Level Percent Enterprise Unit Discount Factor) * (Effective Coverage Level Percent - Floored Effective If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on Coverage Level Percent) * 20, 4) Upper Bound Coverage Level the Effective Coverage Level. Percent Enterprise Unit Discount ADM 9.99999999 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. 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 Coverage Level If the Effective Coverage Level falls between Percent Enterprise Unit Discount ADM None existing ADM Coverage Levels then this will be Factor based on the lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will Round(Base Coverage Level Percent Enterprise Unit be based on the second highest ADM Coverage Discount Factor + (Upper Bound Coverage Level Percent Level. Enterprise Unit Discount Factor - Lower Bound Coverage Unit Structure Discount 99,9999 Factor (continued) Level Percent Enterprise Unit Discount Factor) * Effective Coverage Level Percent Internal None (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 4) 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. Floored Effective Coverage Level Internal 99.9999 None If the Effective Coverage Level falls between