Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2023 Version: Approved Record Name: Acreage Record Code: P11 **Release Date: 3/6/2025 Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0047 Dry Beans 0011 Wheat 0021 Cotton 0075 Peanuts 0051 Grain Sorghum **Commodity Code** 0015 Canola 0041 Corn 0078 Sunflowers 0016 Oats 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0018 Rice 0091 Barley Field Record Field Field Field Calculations Number Number Rounding Rules Name **Format** Section 1: Liability Calculation If Unit of Measure equals Pounds "LBS", then round to whole Common Crop Insurance Policy definition number. 'production guarantee (per acre)'. Premium Guarantee Per Acre If Unit of Measure Internal 99999999.99 Premium Guarantee Per Acre Amount should equals Tons "TONS" Amount be rounded to whole pounds for Dry Beans, then round to 2 "0047" (all types), and Dry Peas, "0067" (all decimals. types). Otherwise, round to 1 decimal. Premium Guarantee Per
Acre Amount = Approved Yield * Coverage Level Percent For APH Trend Quality Loss, Yield Cup, and Yield Exclusion, the Approved Yield will be the greater of the calculated approved yield and the adjusted yield. P11 Approved Yield 42 99999999.99 None For skip row commodities, the approved yield is the converted approved yield from the P15 record with skip row (yield conversion factor) applied. For APH Trend, Quality Loss, and Yield Exclusion the Coverage Level Percent in this Coverage Level Percent P14 34 9.9999 None section is ALWAYS the chosen coverage level and NOT the Effective Coverage Level.

Exhibit Number: P11-1, Plan 01, 02, 03

Reinsurance Year: 2023 Version: Approved

Record Name: Acreage **Release Date: 3/6/2025** Record Code: P11 **Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0047 Dry Beans 0011 Wheat 0021 Cotton 0075 Peanuts 0051 Grain Sorghum **Commodity Code** 0015 Canola 0041 Corn 0078 Sunflowers 0016 Oats 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0018 Rice 0091 Barley Field Record Field Field Field Rounding Number Number Rules Calculations Name **Format** When Guarantee Adjustment Type Code equals Late If Unit of Measure Planting, "L" OR Prevented Planting, "P": equals Pounds "LBS", then round to whole number. Guarantee Per Acre Amount should be Premium Guarantee Per Acre Amount * Guarantee If Unit of Measure rounded to whole pounds for Dry Beans, 99999999.99 Guarantee Per Acre Amount Internal Adjustment Factor equals Tons "TONS", "0047" (all types), and Dry Peas, "0067" (all Guarantee Per Acre then round to 2 Amount decimals. Otherwise, round to 1 decimals. Edit with the Guarantee Adjustment ICE, Guarantee Adjustment P11 69 0.999 None "D00068" or ADM Guarantee Adjustment, Factor "A01220" for Preventing Planting. When Commodity Code equals Barley, "0091", Corn, "0041", Cotton, "0021", Grain Sorghum, "0051", Soybeans, Oats "0016", "0081" or Projected Price (or Contract Price) * Price Election Price Election Amount = Price Election Amount Internal 9999.9999 Wheat, "0011"; round to nearest whole cent [\$9.99]. If result is based on Contract Price round to nearest one hundredth cent (\$9.9999).

	Exhibit Numbe Record Nam Record Cod	Reinsurance Year: 2023 Version: Approved Release Date: 3/6/2025					
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protectio	n with Harvest Price Exclusion
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> Number	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules
Price Election Amount (contintued)	= Projected Price (or Contract Price) * Price Election Percent	Price Election Amount (continued)	Internal		9999.9999	When Commodity Code equals Canola, "0015", Rice, "0018", Sunflowers, "0078"; round to nearest one tenth cent [\$9.999]. If result is based on Contract Price round to nearest one hundredth cent (\$9.9999). When Commodity Code equals Popcorn, "0043", Or Beans, "0047", or Dry Peas, "0067" round to nearest one hundredth cent [\$9.9999].	
		Projected Price	ADM		99999.9999		Liability for Yield Protection, "01" allows the producer the opportunity to choose a percentage of the Projected Price. Liability for Revenue Protection, "02", or Revenue Protection with Harvest Price Exclusion, "03", requires the producer to choose 100 percent of the Projected Price. Edit with ADM Price, "00810".

Exhibit Name: Premium Calculation Exhibit Number: P11-1, Plan 01, 02, 03

Reinsurance Year: 2023

	Exhibit Number Record Name Record Code	_		Version: Approved Release Date: 3/6/2025					
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protectio	on with Harvest Price Exclusion		
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley		
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules		
Price Election Amount (continued)	= Projected Price (or Contract Price) * Price Election Percent	Contract Price	P11	46	9999.9999	None	For Yield Protection, "01", Contract Price may be used in lieu of the Projected Price for Dry Beans, Dry Peas, specialty types of Canola, Corn, Soybean or Barley. For Revenue Protection, "02", or Revenue Protection with Harvest Price Exclusion, "03", Contract Price may be used in lieu of the Projected Price for Dry Beans, Dry Peas, or specialty types of Canola, Corn or Soybeans. If the insured chooses to use the contract price, the contract price per bushel should be entered in the contract price field. The contracted price will be capped by RMA at a certain percentage over the projected price for Canola, Corn, Soybean and Barley as specified in the Special Provisions.		
		Price Election Percent	ICE		9.9999	None	Price Election Percent must equal 1.000, wher Insurance Plan Code is Revenue Protection, "02", or Revenue Protection with Harvest Price Exclusion, "03". Edit with ICE Price Election Percent, "D00007".		
Promium Total	Promium Guarantos Par Acro Amount * Price Flection	Premium Total Guarantee Amount	Internal		9999999.99	Round to 2 decimals.			
Guarantoo Amount	Premium Guarantee Per Acre Amount * Price Election Amount * Reported Acreage	Price Election Amount	Internal		9999.9999	None			
Guarantee Amount	Amount neported Acreage	Reported Acreage	P11	48	99999999.99	None	Reported Acreage must equal the sum of all Land, P27, Reported Acreage.		
	Guarantee Per Acre Amount * Price Election Amount *	Total Guarantee Amount	P11	103	9999999.99	Round to 2 decimals.			
Total Guarantee Amount =	Reported Acreage	Price Election Amount	Internal		9999.9999	None			
		Reported Acreage	P11	48	999999.99	None	Reported Acreage must equal the sum of all Land, P27, Reported Acreage.		

	Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11 Release Date: 3/6/2025						
Insurance Plan Code	01 Yield Protection	02 Revenue Protection 03 F				03 Revenue Protecti	on with Harvest Price Exclusion
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> Number	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules
Premium Liability	Premium Total Guarantee Amount * Insured Share = Percent	Premium Liability Amount	Internal		999999999	Round to whole number.	
Amount	Amount Percent		P11	43	9.9999	None	
Liability Amount	Liability Amount = Total Guarantee Amount * Insured Share Percent		P11	94	999999999	Round to whole number.	
Liability Amount	- Total Guarantee Amount - Insured Share Percent	Insured Share Percent	P11	43	9.9999	None	
Section 2: Unit Discount Ca	alculation						The appropriate discount factor should be looked up and applied.
When commodities are set	tup in the unit discount table for lookups based solely on a	cres.					
	When the Unit Structure Code is Optional Unit, "OU", "UA", "UD", Basic Unit, "BU", or Enterprise Unit, "EU":	Revenue Lookup Adjustment Factor	Internal		9.9999999	None	
Revenue Lookup	Unit Structure Discount Factor						
Adjustment Factor	When the Unit Structure Code is Whole Farm Unit "WU" Unit Structure Discount Factor for Enterprise Unit"EU"	: Unit Structure Discount Factor	Internal		9.9999999	None	Capped at 1.0 From below for Unit Structures "OU, UA, UD, BU, EU".
	Unit Structure Discount Factor for Enterprise Unit"EU"	Factor					•

Exhibit Name: Premium Calculation Evhibit Number: D11 1 Dlan 01 02 02

	Exhibit Number: P11-1, Plan 01, 02, 03			Reinsurance Year: 2023					
		Record Name: Acreage Record Code: P11			Version: Approved				
	Record Code	Record Code: P11			Release Date: 3/6/2025				
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protec	tion with Harvest Price Exclusion		
	0011 Wheat	0021 Cotton			0047 Dry Beans		0075 Peanuts		
Commodity Code	0015 Canola	0041 Corn			0051 Grain Sorghum		0078 Sunflowers		
	0016 Oats	0043 Popcorn			0067 Dry Peas		0081 Soybeans		
	0018 Rice	Field	Pocord	Field	Field	Field	0091 Barley		
	Calculations	<u>Name</u>	Record Number	<u>Number</u>	<u>Field</u> <u>Format</u>	Rounding	<u>Rules</u>		
-	When the Unit Structure Code is Optional Unit, "OU", "UA", or "UD":	Unit Structure Discount Factor	Internal		9.9999999	None	capped at 1.0		
	Optional Unit Discount Factor	Optional Unit Discount Factor	ADM		9.999	None	Edit with ADM Unit Discount, "A01090".		
	When Unit Structure Code is Basic Unit, "BU":	Basic Unit Discount Factor	ADM		9.999	None	Edit with ADM Unit Discount, "A01090".		
	Basic Unit Discount Factor								
Unit Structure Discount Factor	When the Unit Structure Code is Enterprise Unit, "EU": Enterprise Unit Discount Factor	Enterprise Unit Discount Factor	ADM		9.999	None	Edit with ADM Unit Discount, "A01090". Enterprise Units will now mandate that all insured acreage for a commodity will be included in the Enterprise Unit. This includes both fall and spring planted acreage. Enterprise Unit Discount Factor is contingent upon the sum of the reported acres which were not prevented from planting for all applicable units being greater than or equal to the Area Low Quantity and less than or equal to Area High Quantity fields contained on the		
							ADM Unit Discount, "A01090". Unit is not eligible as an enterprise unit if summed planted acres are less than 20 acres or 20% of insured crop acreage.		

Insurance Plan Code	Exhibit Name Exhibit Number Record Name Record Code	Reinsurance Year: 2023 Version: Approved Release Date: 3/6/2025 03 Revenue Protection with Harvest Price Exclusion					
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice Calculations	02 Revenue Protection 0021 Cotton 0041 Corn 0043 Popcorn Field Name	Record Number		0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas <u>Field</u> <u>Format</u>	Field Rounding	0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley Rules
When commodities are se	tup in the unit discount table for lookups based on acres <u>ar</u> When the Unit Structure Code is Optional Unit, "OU", "UA", or "UD":	Revenue Lookup Adjustment	Internal		9.9999999	None	
Revenue Lookup Adjustment Factor	Unit Structure Discount Factor	Unit Structure Discount Factor	Internal		9.9999999	None	Capped at 1.0 From below for Unit Structure "OU", "UA", or "UD".
	When Unit Structure Code is Basic Unit, "BU": = Basic Unit Discount Factor for 65% Coverage Level	Basic Unit Discount Factor	ADM		9.999	None	Edit with ADM Unit Discount, "A01090" for 65% Coverage Level. Basic Unit Discount Factor is contingent upon the sum of the reported acres which were not prevented from planting for the unit being greater than or equal to the Area Low Quantity and less than or equal to Area High Quantity fields contained on the ADM Unit Discount, "A01090" for 65% Coverage Level.
	When the Unit Structure Code is Enterprise Unit, "EU" or Whole Farm Unit "WU": Enterprise Unit Discount Factor for 65% Coverage Level	Enterprise Unit Discount Factor	ADM		9.999	None	Edit with ADM Unit Discount, "A01090" for 65% Coverage Level. Enterprise Unit Discount Factor is contingent upon the sum of the reported acres which were not prevented from planting for all applicable units being greater than or equal to the Area Low Quantity and less than or equal to Area High Quantity fields contained on the ADM Unit Discount, "A01090" for 65% Coverage Level.

Exhibit Number: P11-1, Plan 01, 02, 03
Record Name: Acreage

Record Code: P11

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01 Yield Protection 03 Revenue Protection with Harvest Price Exclusion Insurance Plan Code 02 Revenue Protection 0011 Wheat 0047 Dry Beans 0075 Peanuts 0021 Cotton **Commodity Code** 0051 Grain Sorghum 0078 Sunflowers 0015 Canola 0041 Corn 0067 Dry Peas 0081 Soybeans 0016 Oats 0043 Popcorn 0018 Rice 0091 Barley Field Record Field <u>Field</u> <u>Field</u>

	<u>Calculations</u>	Name	Number	Number	Format	Rounding	<u>Rules</u>
	When the Unit Structure Code is Optional Unit, "OU", "UA", or "UD": Optional Unit Discount Factor	Unit Structure Discount Factor	Internal		9.9999999	None	Capped at 1.0 See Section 19 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "YE" (Yield Exclusion), and "QL" (Quality Loss).
		Optional Unit Discount Factor	ADM		9.999	None	Edit with ADM Unit Discount, "A01090". See Section 19 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "YE" (Yield Exclusion), "QL" (Quality Loss).
Unit Structure Discount Factor	When Unit Structure Code is Basic Unit, "BU": Basic Unit Discount Factor	Basic Unit Discount Factor	ADM		9.999	None	Edit with ADM Unit Discount, "A01090" by Coverage Level. Basic Unit Discount Factor is contingent upon the sum of the reported acres which were not prevented from planting for the unit being greater than or equal to the Area Low Quantity and less than or equal to Area High Quantity fields contained on the ADM Unit Discount, "A01090" for Coverage Level. See Section 19 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "YE" (Yield Exclusion), and "QL" (Quality Loss Option).

Exhibit Name: Premium Calculation **Exhibit Number:** P11-1, Plan 01, 02, 03

Record Name: Acreage
Record Code: P11

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Insurance Plan Code 01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0011 Wheat 0047 Dry Beans 0075 Peanuts 0021 Cotton **Commodity Code** 0051 Grain Sorghum 0078 Sunflowers 0015 Canola 0041 Corn 0067 Dry Peas 0081 Soybeans 0016 Oats 0043 Popcorn 0018 Rice 0091 Barley

<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> Rounding	<u>Rules</u>
Unit Structure Discount When the Unit Structure Code is Enterprise Unit "FU"	Enterprise Unit Discount Factor	ADM		9.999	None	Edit with ADM Unit Discount, "A01090" by Coverage Level. Enterprise Units will now mandate that all insured acreage for a commodity will be included in the Enterprise Unit. This includes both fall and spring planted acreage. Enterprise Unit Discount Factor is contingent upon the sum of the reported acres which were not prevented from planting for all applicable units being greater than or equal to the Area Low Quantity and less than or equal to Area High Quantity fields contained on the ADM Unit Discount, "A01090" for Coverage Level. Unit is not eligible as an enterprise unit if summed planted acres are less than 20 acres or 20% of insured crop acreage. See Section 19 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "YE" (Yield Exclusion), and "QL" (Quality Loss).

Exhibit Name: Premium Calculation Evhibit Number: D11 1 Dlan 01 02 02

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	Exhibit Number: P11-1, Plan 01, 02, 03 Reinsuran Record Name: Acreage Record Code: P11 Relea						
Insurance Plan Code	01 Yield Protection	02 Revenue Protection			03 Revenue Protectio	n with Harvest Price Exclusion	
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> Number	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules
Section 3: Base Premium F	Rate Calculation						If Written Agreement is applicable make the necessary changes as provided by the agreement and ROE ADM.
		Current Year Yield Ratio	Internal		9.9999	Round to 2 decimals.	Cup at 0.50 and Cap at 1.50.
Current Year Yield Ratio	Current Year Yield Ratio = Rate Yield / Reference Amount		P15	35	9999999999	None	For skip row commodities, the rate yield is the converted rate yield from the P15 record with skip row (yield conversion factor) applied.
		Reference Yield	ADM		99999.99	None	Edit with ADM Base Rate, "A01010".
When previous year yield Code equals Spring Contra	limitation code = '03', Insurance Option Code List contain act "98":	s Yield Cup (YC), and Commodity	Code Dry Be	ans "0047" a	and Type Code equals Cont	ract "62", or Commod	ity Code equals Dry Peas "0067" and Type
oran oquan opinig orani		Prior Year Yield Ratio	Internal		9999999.99	Round to 2 decimals.	
	Round(Approved Yield * Contract Price,0) / Prior Year	Approved Yield	P11	42	9999999999	None	
Prior Year Yield Ratio	Reference Amount	Contract Price	P11	46	9999.9999	None	
		Prior year Reference Amount	ADM		99999.99	None	Edit with ADM Base Rate, "A01010".
When previous year yield	limitation code = '03' and Insurance Option Code List con	tains Yield Cup (YC) and the afore	ementioned	commodities	s/types are not applicable:		
		Prior Year Yield Ration	Internal		9.9999	Round to 2 decimals.	Cup at 0.50 and Cap at 1.50.
Prior Year Yield Ratio	= Approved Yield / Prior Year Reference Amount	Approved Yield	P11	42	99999999.99	None	For skip row commodities, the rate yield is the converted rate yield from the P15 record with skip row (yield conversion factor) applied.
		Prior Year Reference Amount	ADM		99999.99	None	Edit with ADM Base Rate, "A01010".

Exhibit Name: Premium Calculation Exhibit Number: P11-1, Plan 01, 02, 03

Reinsurance Year: 2023

	Record Na Record Co	me: Acreage ode: P11		Version: Release Date:			
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protectio	n with Harvest Price Exclusion
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	<u>Rules</u>
Otherwise:							
		Prior Year Yield Ratio	Internal		9.9999	Round to 2 decimals.	Cup at 0.50 and Cap at 1.50.
Prior Year Yield Ratio	= Rate Yield / Prior Year Reference Amount	Rate Yield	P15	35	99999999.99	None	For skip row commodities, the rate yield is the converted rate yield from the P15 record with skip row (yield conversion factor) applied.
			ADM		99999.99	None	Edit with ADM Base Rate, "A01010".
Current Year Rate	= Current Year Yield Ratio ^ Exponent Value	Current Year Rate Multiplier	Internal		9999.99999999	Round to 8 decimals.	
Multiplier		Exponent Value	ADM		S99.999	None	Edit with ADM Base Rate, "A01010".
Prior Year Rate Multiplier	= Prior Year Yield Ratio ^ Prior Year Exponent Value	Prior Year Rate Multiplier	Internal		9999.99999999	Round to 8 decimals.	
		Prior Year Exponent Value	ADM		S99.999	None	Edit with ADM Base Rate, "A01010".
	When Rate Method Code is Fixed, "F":	Current Year Base Rate	Internal		999999999999999999999	Round to 8 decimals.	
	= Sub County Rate	Sub County Rate	ADM		99.9999	None	Edit with ADM Sub County Rate, "A01050".
	When Rate Method Code is Additive, "A":						
: Current Year Base Rate	Sub County Rate + (Current Year Rate Multiplier * Reference Rate + Fixed Rate)	Current Year Rate Multiplier	Internal		9999.99999999	None	
=	When Rate Method Code is 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	Fixed Rate rate	ADM		9.9999	None	Edit with ADM Base Rate, "A01010".

	Exhibit Number: Record Name:	Exhibit Name: Premium Calculation Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11 02 Revenue Protection			Reinsurance Year: 2023 Version: Approved Release Date: 3/6/2025				
Insurance Plan Code	01 Yield Protection					on with Harvest Price Exclusion			
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley		
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> Number	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules		
-	When Rate Method Code is Fixed, "F": Sub County Rate	Prior Year Base Rate Sub County Rate	Internal ADM		999999999999999999999999999999999999999	Round to 8 decimals.	Edit with ADM Sub County Rate, "A01050".		
e Prior Year Base Rate	When Rate Method Code is Additive, "A": Sub County Rate + (Prior Year Rate Multiplier * Prior Year Reference Rate + Prior Year Fixed Rate)	Prior Year Rate Multiplier	Internal		9999.99999999	None			
-	When Rate Method Code is 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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	Record Name:	Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11			Reinsurance Year: 2023 Version: Approved Release Date: 3/6/2025				
Insurance Plan Code	01 Yield Protection	02 Revenue Protection		03 Revenue Protection with Harvest Price Exclusion					
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn		0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas			0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley		
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> Number	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	<u>Rules</u>		
	When Unit Structure Code is equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, "BU": = Round(Current Year Base Rate * Rate Differential Factor * Unit Residual Factor, 8)	Current Year Base Premium Rate	Internal		999999999999999999999999999999999999999	Round to 8 decimals.	If Option Code "QL", "YE" or "TA" is applicable and the effective coverage level exceeds the highest coverage level for the offer in the ADM, see Section 23 for the Current Year Base Premium Rate calculation.		
		Rate Differential Factor	ADM		9.99999999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 17 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "YE" (Yield Exclusion), and "QL" (Quality Loss).		
Current Year Base Premium Rate		Unit Residual Factor	ADM		999.999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "YE" (Yield Exclusion), and "QL" (Quality Loss) where Unit Structure Code equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, 'BU'.		
	When Unit Structure code is Enterprise Unit, "EU": Round(Current Year Base Rate * Rate Differential Factor * Enterprise Unit Residual Factor, 8)	Enterprise Unit Residual Factor	ADM		9.999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "YE" (Yield Exclusion), and "QL" (Quality Loss) where Unit Structure Code equal to Enterprise Unit, 'EU'.		
-	When Unit Structure code is Whole Farm Unit, "WU": Round(Current Year Base Rate * Rate Differential Factor * Whole Farm Unit Residual Factor, 8)	Whole Farm Unit Residual Factor	ADM		9.999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "YE" (Yield Exclusion), and "QL" (Quality Loss) where Unit Structure Code equal to Whole Farm Unit, 'WU'.		

	Exhibit Number	Reinsurance Year: 2023							
	Record Name	•			Version: Approved				
	Record Code: P11				Release Date: 3/6/2025				
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protectio	n with Harvest Price Exclusion		
	0011 Wheat	0021 Cotton			0047 Dry Beans		0075 Peanuts		
Commodity Code	0015 Canola	0041 Corn			0051 Grain Sorghum		0078 Sunflowers		
	0016 Oats	0043 Popcorn			0067 Dry Peas		0081 Soybeans		
	0018 Rice						0091 Barley		
		<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>			
	Calculations	<u>Name</u>	Number	Number	<u>Format</u>	Rounding	<u>Rules</u>		
When previous year yield	limitation code = '03' and Insurance Option Code List conta	ins Yield Cup (YC):							
	When Unit Structure Code is equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, "BU":	Prior Year Base Premium Rate	Internal		999999999999999999999999999999999999999	Round to 8 decimals.			
		Prior Year Rate Differential Factor	ADM		9.99999999	None	Edit with ADM Coverage Level Differential, "A01040."		
	Round(Prior Year Base Rate * 1.05 * Prior Year Rate Differential Factor * Prior Year Unit Residual Factor, 8)	Prior Year Unit Residual Factor	ADM		999.999	None	Edit with ADM Coverage Level Differential, "A01040."		
Prior Year Base Premium	When Unit Structure code is Enterprise Unit, "EU":								
Rate	= Round(Prior Year Base Rate * 1.05* Prior Year Rate Differential Factor * Prior Year Enterprise Unit Residual Factor, 8)	Prior Year Enterprise Unit Residual Factor	ADM		9.999	None	Edit with ADM Coverage Level Differential, "A01040".		
	When Unit Structure code is Whole Farm Unit, 'WU':								
	Round(Prior Year Base Rate * 1.05 * Prior Year Rate Differential Factor * Prior Year Whole Farm Unit Residual Factor, 8)	Prior Year Whole Farm Unit Residual Factor	ADM		9.999	None	Edit with ADM Coverage Level Differential, "A01040."		

Exhibit Name: Premium Calculation Evhibit Number: D11 1 Dlan 01 02 02

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	Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11					Reinsurance Year: 2023 Version: Approved Release Date: 3/6/2025				
Insurance Plan Code	01 Yield Protection	02 Revenue Protection			03 Revenue Protection with Harvest Price Exclusion					
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley			
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> Number	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	<u>Rules</u>			
Otherwise:							•			
	When Unit Structure Code is equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, "BU":	Prior Year Base Premium Rate	Internal		99999999999999999	Round to 8 decimals.				
	Round(Prior Year Base Rate * Prior Year Rate Differential Factor * Prior Year Unit Residual Factor, 8)	Prior Year Rate Differential Factor	ADM		9.99999999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 17 for Option code "TA" (Trend Adjustment), "YC" (Yield Cup), "YE" (Yield Exclusion), and "QL" (Quality Loss).			
Prior Year Base Premium		Prior Year Unit Residual Factor	ADM		999.999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "YE" (Yield Exclusion), "QL" (Quality Loss) where Unit Structure Code equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, "BU".			
Rate =	When Unit Structure code is Enterprise Unit, "EU": Round(Prior Year Base Rate * Prior Year Rate Differential Factor * Prior Year Enterprise Unit Residual Factor, 8)	Prior Year Enterprise Unit Residual Factor	ADM		9.999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "YE" (Yield Exclusion), and "QL" (Quality Loss) where Unit Structure Code equal to Enterprise Unit, 'EU'.			
	When Unit Structure code is Whole Farm Unit, 'WU': Round(Prior Year Base Rate * Prior Year Rate Differential Factor * Prior Year Whole Farm Unit Residual Factor, 8)	Prior Year Whole Farm Unit Residual Factor	ADM		9.999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "YE" (Yield Exclusion), and "QL" (Quality Loss) where Unit Structure Code equal to Whole Farm Unit, 'WU'.			
Base Premium Rate =	MIN (Current Year Base Premium Rate, Prior Year Base Premium Rate * 1.2, .999)	Base Premium Rate	P11	97	999999999999999999999	Round to 8 decimals.				
Revenue Lookup Rate =	MIN(Current Year Base Rate, Prior Year Base Rate * 1.2, 0.9999)	Revenue Lookup Rate	Internal		99999999999999	Round to 4 decimals.				

		per: P11-1, Plan 01, 02, 03 me: Acreage pde: P11			Reinsurance Year Versior Release Date	: Approved	
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	n with Harvest Price Exclusion
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas	_	0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	Calculations	<u>Field</u> Name	Record Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules
Section 4: Optional Covera	ge (Additive "A" and Multiplicative "M")	Additive Optional Rate			999999.9999	Round to 4 decimals.	If Option Rate Method Code equal "T' (Total Premium Rate Adjustment) see Section 9.
Additive Optional Rate $_{ extstyle _{ extstyle 2}}$	When Rate Method Code is Additive, "A":	Adjustment Factor Option Rate	Internal ADM		99999.9999	None None	Option Rate will be the Sum of all Option Rate with Rate Method Code equal to Additive, "A" Edit with ADM Option Rate, "A01060".
Adjustment Factor ^a	∑ Option Rate * Rate Differential Factor	Rate Differential Factor	ADM		9.9999999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 17 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion).
Multiplicative Optional	When Rate Method Code is Multiplicative, "M":	Multiplicative Optional Rate Adjustment Factor	Internal		999999.9999	Round to 4 decimals.	
Rate Adjustment Factor	∑ Option Rate1 * Option Rate2 * Option Rate3	Option Rate	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".

Insurance Plan Code	01 Yield Protection 0011 Wheat	Record Name: Record Code:	02 Revenue Protection			Reinsurance Year Version Release Date	Approved 3/6/2025	n with Harvest Price Exclusion 0075 Peanuts
<u>Commodity Code</u>	0015 Canola 0016 Oats 0018 Rice		0041 Corn 0043 Popcorn			0051 Grain Sorghum 0067 Dry Peas		0078 Sunflowers 0081 Soybeans 0091 Barley
	Calculations		<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules
Section 5: Revenue Cover	age Add on Rates (Applicable onl	y for Plans 02 and 03)						It is recommended that other than hard coding for specific type and practice codes which will eventually change when the new key structure is adopted, that a condition be put in place that will set the add on rate to 0 when the Price Volatility is 0. This condition MUST occur at some point in order to circumvent the Calculation of Preliminary Revenue Protection Add on Rate and Preliminary Revenue Protection with Harvest Price Exclusion Add on Rate, which contains a constraint that the add on rate be at least 1% greater than the base Premium Rate.
			Lookup Rate	Internal		9999999999999999	Round to 4 decimals.	
Lookup Rate	= Revenue Lookup Rate * Revenue Lookup Adjustment Factor	ue Lookup Adjustment	Revenue Lookup Rate	Internal		999999999.9999	Round to 4 decimals.	From Section 3.
			Revenue Lookup Adjustment Factor	Internal		9.9999999	None	From Section 2.

	Exhibit Name: Premium Calculation Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11				Reinsurance Year: 2023 Version: Approved Release Date: 3/6/2025						
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	on with Harvest Price Exclusion				
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley				
	<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> Rounding	Rules				
		Adjusted Mean Quantity (AdjMean)	Internal		999999.9999999	Round to 8 decimals.					
Adjusted Mean Quantity	Adjusted Mean Quantity = Approved Yield * Mean Quantity / 100		P11	42	99999999.99	None	For APH Trend, Quality Loss, 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.				
		Mean Quantity	ADM		999.99999999	None	Edit with ADM Combo Revenue Factor, "A01030". Search the Combo Revenue Factor, "A01030" for the Mean Quantity using Lookup Rate.				
		Adjusted Standard Deviation Quantity (AdjStndDev)	Internal		999999999999999999999999999999999999999	Round to 8 decimals.					
Adjusted Standard = Approved Yield * Standard Deviation Quantity / 100 Deviation Quantity		Approved Yield (AY)	P11	42	99999999.99	None	For APH Trend, Quality Loss, Yield Cup, and Yield Exclusion, the Approved Yield will be the greater of the calculated approved yield and the adjusted yield. For skip row cotton, the approved yield is the converted approved yield from the P15 record with skip row (yield conversion factor) applied.				
		Standard Deviation Quantity	ADM		999.999999999	None	Edit with ADM Combo Revenue Factor, "A01030". Search the Combo Revenue Factor "A01030" for the Standard Deviation Quantity using Lookup Rate.				

Exhibit Number: P11-1, Plan 01, 02, 03

Reinsurance Year: 2023

		Record Name: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11			Reinsurance Yea Versior Release Date			
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protectio	on with Harvest Price Exclusion	
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas	0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley		
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules	
		log Mean Quantity (LnMean)	Internal		999999.9999999	Round to 8 decimals.		
LnMean	_Ln(Projected Price or Contract Price) -	Projected Price	ADM		99999.9999		Edit with ADM Price, "A00810".	
	(Price Volatility Factor) ² / 2	Contract Price	P11	46	9999.9999	None	Contract price as addressed in Section 1, capped with Max Contract Price from ADM.	
		Price Volatility Factor	ADM		9.99		Edit with ADM Price, "A00810".	
Yield Draw Quantity _{Sequence Number}	For Sequence Number 1 to 500 = Yield Draw Quantity	Yield Draw Quantity	ADM		\$99.99999999	None	Edit with ADM Beta, "A01020". Use the Beta ID field from ADM Insurance Offer, "A00030" and the Beta "A01020" to obtain the applicable draws. There should be 500 draws (or sequence numbers) per Beta Id for every distinct Beta Id in the Insurance Offer ADM, "A00030".	
Price Draw Quanity _{Sequence} _{Number}	For Sequence Number 1 to 500 = Price Draw Quantity	Price Draw Quantity	ADM		\$99.99999999	None	Edit with ADM Beta, "A01020". Use the Beta ID field from ADM Insurance Offer, "A00030" and the Beta "A01020" to obtain the applicable draws. There should be 500 draws (or sequence numbers) per Beta Id for every distinct Beta Id in the Insurance Offer ADM	

Exhibit Number: P11-1, Plan 01, 02, 03

Record Name: Acreage Record Code: P11 Reinsurance Year: 2023 Version: Approved Release Date: 3/6/2025

Insurance Plan Code 01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0011 Wheat 0047 Dry Beans 0075 Peanuts 0021 Cotton **Commodity Code** 0051 Grain Sorghum 0078 Sunflowers 0015 Canola 0041 Corn 0016 Oats 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0018 Rice 0091 Barley

<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> Rounding	<u>Rules</u>
	Simulated Yield Protection Losses Quantity (SimYPLosses)	Internal		999999999999999999999999999999999999999	Round to 12 decimals.	
Simulated Yield Simulated Yield Protection Losses =	Approved Yield (AY)	P11	42	99999999.99	None	For APH Trend, Quality Loss, 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.
	Coverage Level Percent (covlvl)	P14	34	9.9999	None	For Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss) and "YE" (Yield Exclusion) this will be Effective Coverage Level Percent. See Section 16 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), and "YE" (Yield Exclusion).
	Yield Draw Quantity _i (Yield _i)	ADM		S99.99999999	None	

		•			Reinsurance Year: Version: Release Date:	Approved			
Insurance Plan Code	01 Yield Protection	02 Revenue Protection	03 Revenue Protection with Harvest Price Exclusion						
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn		0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas	0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley				
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> Number	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules		
		Simulated Revenue Protection Losses Quantity(SimRPLosses)	Internal		999999999999999999999999999999999999999	Round to 12 decimals.			
Simulated Revenue Protection Losses	s = (D	Approved Yield (AY)	P11	42	99999999.99	None	For APH Trend, Quality Loss, 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.		
Quantity		Coverage Level Percent (covivi)	P14	34	9.9999	None	For Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion) this will be Effective Coverag Level Percent. See Section 16 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion)		
		Yield Draw Quantity, (Yield,)	ADM		S99.99999999	None			
		Projected Priced or Contract Price (ProjPrice)	ADM		99999.9999	None	Edit with ADM Price, "A00810". Contract Price as addressed in Section 1.		

	Exhibit Number Record Name Record Code					nce Year: 2023 Version: Approved ase Date: 3/6/2025		
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection with Harvest Price Exclusion		
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley	
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules	
		Simulated Revenue Protection with Harvest Price Exclusion Losses Quantity (SimRPhpeLosses)	Internal		999999999999999999999999999999999999999	Round to 12 decimals.		
Simulated Revenue Protection with Harvest Price Exclusion Losses Quantity	AdjStdDev + AdjMean),12) * Round(MIN(2 *	Approved Yield (AY)	P11	42	99999999.99	None	For APH Trend, Quality Loss, 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.	
		Coverage Level Percent (covIvI)	P14	34	9.9999	None	For Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss) and "YE" (Yield Exclusion) this will be Effective Coverag Level Percent. See Section 16 for Option Cod "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion	
		Projected Priced or Contract Price (ProjPrice)	ADM		99999.9999	None	Edit with ADM Price, "A00810". Contract Price as addressed in Section 1.	

Exhibit Name: Premium Calculation **Exhibit Number:** P11-1, Plan 01, 02, 03

Record Name: Acreage

Reinsurance Year: 2023

Version: Approved

	Record Code:	J		Release Date: 3/6/2025				
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protectio	ion with Harvest Price Exclusion	
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn	0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas			0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley		
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	<u>Rules</u>	
Simulated Yield Protection Base Premium - Rate	[(Simulated Yield Protection Losses Quantity / 500) / (Approved Yield * Coverage Level Percent)	Simulated Yield Protection Base Premium Rate	Internal		999999.99999999	Round to 8 decimals.	For Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion) Effective Coverage Level Percent will replace Coverage Level Percent.	
Protection Base Premium =	(Simulated Revenue Protection Losses / 500) / (Approved = Yield * Coverage Level Percent * (Projected Price or Contract Price))	Simulated Revenue Protection Base Premium Rate	Internal		999999.99999999	Round to 8 decimals.	For Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion) Effective Coverage Level Percent will replace Coverage Level Percent.	
Protection with Harvest	(Simulated Revenue Protection with harvest Price Exclusion Losses Quantity / 500) / (Approved Yield * Coverage level Percent * (Projected Price or Contract Price))	Simulated Revenue Protection with Harvest Price Exclusion Base Premium Rate			999999.99999999	Round to 8 decimals.	For Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion) Effective Coverage Level Percent will replace Coverage Level Percent.	
Protection Premium Add =	MAX(Simulated Revenue Protection Base Premium Rate - = Simulated Yield Protection Base Premium Rate, 0.01 * Base Premium Rate)	Preliminary Revenue Protection Premium Add on Rate	Internal		999999.99999999	Round to 8 decimals.	This is a control meant to ensure that the premium rate associated with Revenue Protection is at least 1% greater than the basic Base Premium Rate where the Price Volatility Factor is NOT EQUAL to 0.	
Preliminary Revenue Protection with Harvest Price Exclusion Add on Rate	MAX(Simulated Revenue Protection with Harvest Price = Exclusion Base Premium Rate - Simulated Yield Protection Base Premium Rate, -0.5 * Base Premium Rate)	Preliminary Revenue Protection with Harvest Price Exclusion Add on Rate	Internal		999999.99999999	Round to 8 decimals.	This is a control meant to ensure that the premium rate associated with Revenue Protection with Harvest Price Exclusion will not be less than half of the Base Premium Rate where the Price Volatility Factor is NOT EQUAL to 0.	

Exhibit Name: Premium Calculation Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2023 Record Name: Acreage Version: Approved **Release Date: 3/6/2025** Record Code: P11 **Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0047 Dry Beans 0011 Wheat 0021 Cotton 0075 Peanuts **Commodity Code** 0015 Canola 0041 Corn 0051 Grain Sorghum 0078 Sunflowers 0016 Oats 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0018 Rice 0091 Barley Field Record Field Field Field Number Number Rounding Calculations Name **Format** Rules This section is for calculation the 2010 Revenue Assurance Optional Unit Level Base Premium Rate for coverage level percents 65 thru 85 where applicable. Then it is used in conjunction with the Base Premium Rate and Revenue Add On Rates to compute capped Revenue Add On Rates. This table is set up such that the only value that will change from year to year is the Commodity Year. By doing this we are fixing a point where the premium calculation method was changed and applying an exponential capping over time. Section 6: Historical Revenue Capping (Applicable only for Plans 02 and 03) If there is NOT a corresponding row in the Historical Revenue Capping Note: This Section will not apply if record has a Written Agreement. ADM, "A01110", then this calculation does not need to be performed. Furthermore, since coverage level percents 50, 55, 60 did not exist for Revenue Assurance (RA) historically capping does not need to be performed for those coverage level percents as well. If TA is applicable then this will be based on the TA Effective Coverage Level Percent. See next statement. When TA, QL, and YE Option is selected, this section does not apply when the Effective Coverage Level is less than 65%. Capping Yield Ratio 9.99 Round to 2 decimals. Cup at 0.50 and Cap at 1.50. Internal For skip row commodities, the rate yield is the Capping Yield Ratio = Rate Yield / Capping Reference Yield Rate Yield P15 99999999.99 None converted rate yield from the P15 record with 35 skip row (yield conversion factor) applied. Edit with ADM Historical Revenue Capping,

ADM

Capping Reference Yield

99999.99

None

"A01110".

Exhibit Name: Premium Calculation Exhibit Number: P11-1 Plan 01 02 03

Reinsurance Vear: 2023

	Exhibit Number: Record Name: Record Code:	· ·			Reinsurance Year Version Release Date		
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protectio	on with Harvest Price Exclusion
<u>Commodity Code</u>	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> Number	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	Rules
		Prior Capping Yield Ratio	Internal		9.99	Round to 2 decimals.	Cup at 0.50 and Cap at 1.50.
Prior Capping Yield Ratio	= Rate Yield / Prior Capping Reference Yield	Rate Yield	P15	35	9999999.99	None	For skip row commodities, the rate yield is the converted rate yield from the P15 record with skip row (yield conversion factor) applied.
		Prior Capping Reference Yield	ADM		99999.99	None	Edit with ADM Historical Revenue Capping, "A01110".
6		Capping Rate Multiplier	Internal		999999.9999999	Round to 8 decimals.	
Capping Rate Multiplier	= Capping Yield Ratio ^Capping Exponent Value	Capping Exponent Value	ADM		S99.999	None	Edit with ADM Historical Revenue Capping, "A01110".
Prior Capping Rate	= Prior Capping Yield Ratio ^Prior Capping Exponent Value	Prior Capping Rate Multiplier	Internal		999999.99999999	Round to 8 decimals.	
Multiplier	- Prior Capping Heid Ratio - Prior Capping Exponent Value	Prior Capping Exponent Value	ADM		S99.999	None	Edit with ADM Historical Revenue Capping, "A01110".
	If Rate Method Code = Fixed, "F": Sub County Rate	Historical Capping Base Rate	Internal		999999.99999999	Round to 8 decimals.	
	If Rate Method Code = Additive, "A": Sub County Rate + (Capping Rate Multiplier * Capping Reference Rate + Capping Fixed Rate)	Sub County Rate	ADM		9.9999	None	Edit with ADM Sub County Rate, "A01050".
Historical Capping Base Rate	If Rate Method Code = Multiplicative, "M":						
nate	Sub County Rate * (Capping Rate Multiplier * Capping Reference Rate + Capping Fixed Rate)	Capping Reference Rate	ADM		9.9999		Edit with ADM Historical Revenue Capping, "A01110".
	Otherwise: (Capping Rate Multiplier * Capping Reference Rate + Capping Fixed Rate)	Capping Fixed Rate	ADM		9.9999		Edit with ADM Historical Revenue Capping, "A01110".

Exhibit Name: Premium Calculation Exhibit Number: P11-1, Plan 01, 02, 03

Reinsurance Year: 2023

	Exhibit Number: Record Name: Record Code:	Version: Approved Release Date: 3/6/2025							
Insurance Plan Code	01 Yield Protection	02 Revenue Protection		03 Revenue Protection with Harvest Price Exclusion					
<u>Commodity Code</u>	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	unola 0041 Corn ets 0043 Popcorn					0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley		
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> Number	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	<u>Rules</u>		
	If Rate Method Code = Fixed "F": Sub County Rate	Historical Prior Capping Base Rate	Internal		999999.99999999	Round to 8 decimals.			
	If Rate Method Code = Additive, "A": Sub County Rate + (Prior Capping Rate Multiplier * Prior Capping Reference Rate + Prior Capping Fixed Rate)	Sub County Rate	ADM		9.9999	None	Edit with ADM Sub County Rate, "A01050".		
Historical Prior Capping Base Rate	If Rate Method Code = Multiplicative, "M": Sub County Rate * (Prior Capping Rate Multiplier * Prior Capping Reference Rate + Prior Capping Fixed Rate)	Prior Capping Reference Rate	ADM		9.9999		Edit with ADM Historical Revenue Capping, "A01110".		
	Otherwise: (Prior Capping Rate Multiplier * Prior Capping Reference Rate + Prior Capping Fixed Rate)	Prior Capping Fixed Rate	ADM		9.9999		Edit with ADM Historical Revenue Capping, "A01110".		
Historical Basic Unit Base Rate	.9 * MIN(.999, Historical Prior Capping Base Rate * 1.2, Historical Capping Base Rate)	Historical Basic Unit Base Rate	Internal		999999.99999999	Round to 8 decimals.			

	Exhibit Number: Record Name: Record Code:	•			Reinsurance Year Version Release Date	: Approved			
Insurance Plan Code	01 Yield Protection	02 Revenue Protection			03 Revenue Protection with Harvest Price Exclusion				
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn	0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas			0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley			
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> Number	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules		
	When Unit Structure Code is equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, "BU":	Coverage Level Percent	P14	34	9.9999	None	For Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion) this will be Effective Coverage Level Percent. See Section 16 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion).		
[beta 0 F Beta 1 F Historic Level Pe Beta 4 F Beta 5 F Beta 6 F Beta 7 F	[beta0 Factor + Beta 1 Factor * Historical Basic Unit Base Rate + Beta 2 Factor * Historical Basic Unit Base Rate ^2 + Beta 3 Factor * Coverage Level Percent + Beta 4 Factor * Coverage Level Percent ^2 + Beta 5 Factor * Approved Yield / Capping Reference Yield + Beta 6 Factor * (Approved Yield / Capping Reference Yield)^2 + Beta 7 Factor * Price Volatility Factor + Beta 8 Factor * Price Volatility Factor ^2 + Beta 9 Factor * Historical Basic Unit Base Rate * Coverage Level Percent +	Historical Revenue Protection Base Premium Rate	Internal		999999999999999999999999999999999999999	Round each intermittent Beta * calculation to 8 decimals as it has been done historically.			
Historical Revenue		Beta O Factor - Beta 14 Factor	ADM		S99.99999999	None	Edit with ADM Historical Revenue Capping, "A01110".		
Protection Base Premium Rate	Beta 10 Factor * Historical Basic Unit Base Rate * Approved Yield / Capping Reference Yield +	Price Volatility Factor	ADM		9.99	None	Edit with ADM Price, "A00810".		
Vo Be Ca Be + Be	Beta 11 Factor * Historical Basic Unit Base Rate * Price Volatility Factor + Beta 12 Factor * Coverage Level Percent * Approved Yield / Capping Reference Yield + Beta 13 Factor * Coverage Level Percent * Price Volatility Factor + Beta 14 Factor * (Approved Yield / Capping Reference Yield) * Price Volatility Factor] * Unit Residual Factor X 1.1	Unit Residual Factor	ADM		999.999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion).		
	When Unit Structure Code is equal to Enterprise Unit, "EU": Replace 'Unit Residual Factor' with 'Enterprise Unit Residual Factor'	Enterprise Unit Residual Factor	ADM		999.999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion).		

Exhibit Name: Premium Calculation Exhibit Number: P11-1 Plan 01 02 03

Reinsurance Vear: 2023

	Exhibit Number: Record Name: Record Code:	Reinsurance Year: 2023 Version: Approved Release Date: 3/6/2025						
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	e Protection with Harvest Price Exclusion	
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley	
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules	
	When Unit Structure Code is equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, "BU":	Coverage Level Percent	P14	34	9.9999	None	For Option Code "TA" (Trend Adjustment) this will be Effective Coverage Level Percent. See Section 16 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion).	
Historical Revenue Protection with Harvest Price Exclusion Base Premium Rate	beta0 Factor + leta 1 Factor * Historical Basic Unit Base Rate + Beta 2 Factor * distorical Basic Unit Base Rate ^2 + Beta 3 Factor * Coverage level Percent + leta 4 Factor * Coverage Level Percent ^2 + leta 5 Factor * Approved Yield / Capping Reference Yield + leta 6 Factor * (Approved Yield / Capping Reference Yield)^2 + leta 7 Factor * Price Volatility Factor + leta 8 Factor * Price Volatility Factor^2 + leta 9 Factor * Historical Basic Unit Base Rate * Coverage Level letecent + leta 10 Factor * Historical Basic Unit Base Rate * Approved dield / Capping Reference Yield + leta 11 Factor * Historical Basic Unit Base Rate * Price folatility Factor +	Historical Revenue Protection with Harvest Price Exclusion Base Premium Rate			999999999999999999999999999999999999999	Round each intermittent Beta * calculation to 8 decimals as it has been done historically.		
		Beta O Factor - Beta 14 Factor	ADM		S99.999999999	None	Edit with ADM Historical Revenue Capping, "A01110".	
	Beta 12 Factor * Coverage Level Percent * Approved Yield / Capping Reference Yield +	Price Volatility Factor	ADM		9.99	None	Edit with ADM Price, "A00810".	
	Beta 13 Factor * Coverage Level Percent * Price Volatility Factor + Beta 14 Factor * (Approved Yield / Capping Reference Yield) * Price Volatility Factor] * Unit Residual Factor X 1.1	Unit Residual Factor	ADM		999.999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion).	
	When Unit Structure Code is equal to Enterprise Unit, "EU": = Replace 'Unit Residual Factor' with 'Enterprise Unit Residual Factor'	Enterprise Unit Residual Factor	ADM		999.999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion).	

Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2023 Record Name: Acreage Version: Approved **Release Date: 3/6/2025** Record Code: P11 **Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0047 Dry Beans 0011 Wheat 0021 Cotton 0075 Peanuts **Commodity Code** 0015 Canola 0041 Corn 0051 Grain Sorghum 0078 Sunflowers 0016 Oats 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0018 Rice 0091 Barley Field Record Field Field Field Rounding Calculations Number Number Name **Format** Rules Use the Preliminary Add On Rates for Insurance Plan Code Revenue Protection, "02" Capped Revenue Protection or Revenue Protection with Harvest Price Internal 9999999999999999 Round to 8 decimals Add on Rate Exclusion, "03" from section 5, the Base MIN(Base Premium Rate + Preliminary Revenue Capped Revenue _ Protection Add On Rate, Historical Revenue Protection Premium Rate from section 3 to calculate the Protection Add on Rate Base Premium Rate * 1.2^(Commodity Year - Capping Capped Revenue add on factors. Year)) - Base Premium Rate 999999.9999999 Base Premium Rate P11 97 None P14 10 None Commodity Year CCYY Edit with ADM Historical Revenue Capping, Capping Year ADM CCYY None "A01110". Use the Preliminary Add On Rates for Insurance Plan Code Revenue Protection, "02" Capped Revenue Protection or Revenue Protection with Harvest Price with Harvest Price Exclusion 999999999999999 Round to 8 decimal Internal MIN(Base Premium Rate + Preliminary Revenue Exclusion, "03" from section 5, the Base Capped Revenue Add on Rate Protection with Harvest Price Exclusion Add On Rate, Protection with Harvest = Historical Revenue Protection with Harvest Price Premium Rate from section 3 to calculate the Capped Revenue add on factors. Price Exclusion Add on Exclusion Base Premium Rate * 1.2^(Commodity Year -Rate Capping Year)) - Base Premium Rate Base Premium Rate P11 97 999999.99999999 None Commodity Year P14 10 CCYY None Edit with ADM Historical Revenue Capping, Capping Year ADM CCYY None "A01110".

	Exhibit Name: Premium Calculation Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11			Reinsurance Year: 2023 Version: Approved Release Date: 3/6/2025						
Insurance Plan Code	01 Yield Protection		02 Revenue Protection				03 Revenue Protectio	on with Harvest Price Exclusion		
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice		0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley		
	Calculations		<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> Number	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules		
Section 7: Whole Farm Uni	it Base Premium Rate							The Whole Farm Unit Discount is only applicable to the Revenue Protection and Revenue Protection with Harvest Price Exclusion Insurance Plans, unless the Special Provisions allow Whole Farm Units for other Insurance Plans. Whole Farm Units will now mandate that producers include both their spring and fall planted commodities into the whole farm unit for commodity/plans offering Whole Farm Units. Malting Barley Coverage is NOT applicable for Whole Farm Unit.		
			Lookup Rate	Internal		99999999999999	Round to 4 decimals.			
Lookup Rate :	= Revenue Lookup Rate * Revenue Lookup Adjustment Factor	Revenue Lookup Rate	Internal		99999999999999	Round to 4 decimals.	From Section 3.			
		Revenue Lookup Adjustment Factor	Internal		9.9999999	None	From Section 2.			
Mean Quantity _{commodityj} :	= Mean Quantity commodityj WHERE Lookup Rate commodityj = Base Rate commodityj	Mean Quantity commodityj	ADM		999.99999999	None	Edit with ADM Combo Revenue Factor, "A01030". Search the Combo Revenue Factor, "A01030" for the Mean Quantity, When the Lookup Rate = Base Rate			
			Lookup Rate _{commodityj}	Internal		9.9999	None			
		Base Rate commodityj	ADM		9.9999	None	Edit with ADM Combo Revenue Factor, "A01030".			

Exhibit Number: P11-1, Plan 01, 02, 03

Reinsurance Year: 2023 Version: Approved

Record Name: Acreage Record Code: P11 **Release Date: 3/6/2025 Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0047 Dry Beans 0011 Wheat 0021 Cotton 0075 Peanuts **Commodity Code** 0015 Canola 0041 Corn 0051 Grain Sorghum 0078 Sunflowers 0016 Oats 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0018 Rice 0091 Barley Field Record Field Field Field Calculations Number Number Rounding Rules Name **Format** Edit with ADM Combo Revenue Factor. "A01030". Standard Deviation Quantity ADM 999.99999999 None Search the Combo Revenue Factor, "A01030" commoditvi Standard Deviation $_$ Standard Deviation Quantity $_{\rm commodityj}$ WHERE Lookup for the Standard Deviation Quantity, When Quantity commodityj = Rate commodityj = Base Rate commodityj the Lookup Rate = Base Rate Lookup Rate commodityi Internal 9.9999 None Edit with ADM Combo Revenue Factor, Base Rate commodityi ADM 9.9999 None "A01030".

Exhibit Number: P11-1, Plan 01, 02, 03

Reinsurance Year: 2023

Record Name: Acreage Version: Approved **Release Date: 3/6/2025** Record Code: P11 **Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0047 Dry Beans 0011 Wheat 0021 Cotton 0075 Peanuts **Commodity Code** 0015 Canola 0041 Corn 0051 Grain Sorghum 0078 Sunflowers 0067 Dry Peas 0016 Oats 0043 Popcorn 0081 Soybeans 0018 Rice 0091 Barley Field Record Field Field Field Number Rules Calculations Name Number **Format** Rounding Adjusted Standard Deviation Internal 9999999999999999 Round to 8 decimals. Quantity commodityj For APH Trend, Yield Cup, Quality Loss, and Yield Exclusion, the Approved Yield will be the Adjusted Standard Approved Yield commodityi * greater of the calculated approved yield and Deviation Quantity = Standard Deviation Quantity commodity / 100 the adjusted yield. Approved Yield commodity P11 42 99999999.99 None For skip row commodities, the approved yield is the converted approved yield from the P15 record with skip row (yield conversion factor) applied. 999999.9999999 Round to 8 decimals. log Mean_{commodityj} (LnMean) Internal Projected Price or Contract Edit with ADM Price, "A00810". Contract Price In(Projected Price or Contract Price_{commoditvi}) – (Price ADM 99999.9999 LnMean commodityi as addressed in Section 1. Price_{commodityj} Volatility Factor_{commodityi})² / 2 Price Volatility Factor_{commodityi} ADM 9.99 None Edit with ADM Price, "A00810". ADM Insurance Offer, "A00030", and Beta, "A01020", should be used to obtain the Yield Draw Quantity = Yield Draw Quantity_{commodity} applicable draws. There should be 500 Draws Yield Draw Quantity ADM 599.99999999 None (or sequence numbers) per Beta Id in the commodityj Sequence Number ADM Beta, "A01020" for every distinct Beta Id in the ADM Insurance Offer, "A00030". ADM Insurance Offer, "A00030", and Beta, "A01020", should be used to obtain the Price Draw Quantity = Price Draw Quantity_{commodity} applicable draws. There should be 500 Draws Price Draw Quantity ADM 599.999999999 None (or sequence numbers) per Beta Id in the commodityj Sequence Number ADM Beta, "A01020" for every distinct Beta Id in the ADM Insurance Offer, "A00030".

Exhibit Name: Premium Calculation Exhibit Number: P11-1, Plan 01, 02, 03

Reinsurance Year: 2023

	Record Nam Record Cod	•			Version: Release Date:	Approved	
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	on with Harvest Price Exclusion
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn	Record	Field	0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas	0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley Field	
	Calculations	Name	Number	Number	<u>Format</u>	Rounding	Rules
		Simulated Revenue Protection Losses Whole Farm (SimRPLossesWF)	Internal		999999999999999999999999999999999999999	Round to 12 decimals.	Simulated Revenue Protection Losses for All Commodity/Acreage report line in the Whole Farm Unit.
		Coverage Level Percent _{commodityj} (covIvI)	P14	34	9.9999	None	For Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion) this will be Effective Coverage Level Percent. See Section 16 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion).
Simulated Revenue	e = all Commodities Σ Round(MAX(0,Round(Yield _{commodityji} * j= AdjStdDev _{commodityj} + AdjMean _{commodityj,12})),12) * Round(MIN(2 * ProiPrice _{commodityj}	Approved Yield _{commodityj} (AY)	P11	42	99999999.99	None	Approved Yield for each Commodity/Acreage report line in the Whole Farm Unit. For APH Trend, Quality Loss, 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.
Protection Losses Whole Farm		Reported Acreage _{commodityj} (Acres)	P11	48	999999.99	None	Reported Acreage must equal the sum of all Land, P27, Reported Acreage. Reported Acreage for each Commodity/Acreage report line in the Whole Farm Unit.
	Round(e ^{(Pricecommodityj) *} Price Volatility Factorcommodityj + LnMeancommodityj),12)),12) * Round(Acres _{commodityj} ,12)), 12)	Projected Price or Contract Price _{commodityj} (ProjPrice)	ADM		99999.9999 None	None	Edit with ADM Price, "A00810". Projected Price or Contract Price for each Commodity/Acreage report line in the Whole Farm Unit.
		Price Draw Quanity _{commodityj} i (Price)	ADM		\$99.99999999	None	Price Draw Quantity for each Commodity /Acreage report line in the Whole Farm Unit.

Exhibit Name: Premium Calculation Evhibit Number: D11 1 Dlan 01 02 02

Poincurance Veers 2022

			Reinsurance Year: 2023 Version: Approved Release Date: 3/6/2025						
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protec	tion with Harvest Price Exclusion		
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas	0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley			
	Calculations	<u>Field</u> Name	Record Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules		
		Price Volatility Factor _{commodi}	ityj Internal		999999.99999999	None	Price Volatility Factor for each Commodity/Acreage report line in the Whole Farm Unit.		
		log Mean _{commodityj} (LnMean)	Internal		999999.99999999	None	Log Mean for each Commodity/Acreage report line in the Whole Farm Unit.		
		Yield Draw Quantity _{commodity} (Yield)	i ADM		\$99.99999999	None	Yield Draw Quantity for each Commodity/Acreage report line in the Whole Farm Unit.		
Simulated Revenue Protection Losses Whole Farm (continued)	= all Commodities \[\sum_{\text{Round}}(MAX(0, \text{Round}(\text{Yield}_{\text{commodityji}}) \] j= AdjStdDev_{\text{commodityj}} + \text{AdjMean}_{\text{commodityj}}, \\ Round(MIN(2 * \text{ProjPrice}_{\text{commodityj}}) \) Round(e^{\text{Pricecommodityji} * \text{Price Volatility} \text{Factored}_{\text{LnMeancommodityj}}, \) LnMeancommodityj), \(\text{12} \), \(\text{12} \)), \(\text{12} \)	Adjusted Standard Deviation 12) - Quantity _{commodityj} (AdjStnDe * 12)),12) * mmodityj +	Internal		99999999999999999	None	Adjusted Standard Deviation Quantity for each Commodity/Acreage report line in the Whole Farm Unit.		
	12)	Adjusted Mean Quantity _{commodityj} (AdjMe	an) Internal		999999.99999999	None	Adjusted Mean Quantity for each Commodity/Acreage report line in the Whole Farm Unit.		

Exhibit Name: Premium Calculation **Exhibit Number:** P11-1, Plan 01, 02, 03

Record Name: Acreage

Reinsurance Year: 2023 Version: Approved

	Record Nam Record Coc		Version: Approved Release Date: 3/6/2025					
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	on with Harvest Price Exclusion	
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley	
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules	
		Simulated Revenue Protection Harvest Price Excluded Losses Whole Farm (SimRPhpeLossesWF)	Internal		999999999.9999999999	Round to 12 decimals.	Simulated Revenue Protection Harvest Price Excluded Losses for All Commodity/Acreage report lines in the Whole Farm Unit.	
		Coverage Level Percent _{commodityj} (covIvI)	P14	34	9.9999	None	For Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion) this will be Effective Coverage Level Percent. See Section 16 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion).	
Simulated Revenue Protection Harvest Price Excluded Losses Whole Farm	SRound(MAX (0, ∑covIvI _{commodityj} * ∑ Round(MAX (0, ∑covIvI _{commodityj} * AY _{commodityj} * ProjPrice _{commodityj} * Acres _{commodityj} - all commodities = ∑ Round(MAX(0, Round(Yield _{commodityj} * j= AdjStdDev _{commodityj} + AdjMean _{commodityj} ,12)),12) * Round(MIN(2 * ProjPrice _{commodityj} , Round(e ^(Pricecommodityj) * Price Volatility Factorcommodityj + LnMeancommodityj),12)),12) * Round(Acres _{commodityj} ,12)), 12)	Approved Yield _{commodityj} (AY)	P11	42	99999999.99	None	Approved Yield for each Commodity/Acreage report line in the Whole Farm Unit. For APH Trend, Yield Cup, Quality Loss, 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.	
		Reported Acreage _{commodityj} (Acres)	P11	48	999999.99	None	Reported Acreage must equal the sum of all Land, P27, Reported Acreage. Reported Acreage for each Commodity/Acreage report line in the Whole Farm Unit.	
		Projected Price or Contract Price _{commodityj} (ProjPrice)	ADM		99999.9999	None	Edit with ADM Price, "A00810". Projected Price or Contract Price (as addressed in Section 1) for each Commodity/Acreage report line in the Whole Farm Unit.	
		Yield Draw Quantity _{commodity} i (Yield)	ADM		\$99.999999999	None	Yield Draw Quantity for each Commodity/Acreage report line in the Whole Farm Unit.	

Exhibit Number: P11-1, Plan 01, 02, 03

Reinsurance Year: 2023 Version: Approved Release Date: 3/6/2025

Record Name: Acreage Ve
Record Code: P11 Release

Insurance Plan Code

01 Yield Protection

 Commodity Code
 0011 Wheat
 0021 Cotton
 0047 Dry Beans

 0015 Canola
 0041 Corn
 0051 Grain Sorghum

 0016 Oats
 0043 Popcorn
 0067 Dry Peas

02 Revenue Protection

0081 Soybeans 0091 Barley

0075 Peanuts

0078 Sunflowers

03 Revenue Protection with Harvest Price Exclusion

0018 Rice		0091 Barley				
<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> Rounding	Rules
	Adjusted Standard Deviation Quantity _{commodityj} (AdjStnDev)	Internal		999999999999999999999999999999999999999		Adjusted Standard Deviation Quantity for each Commodity/Acreage report line in the Whole Farm Unit.
	Adjusted Mean Quantity _{commodityj} (AdjMean)	Internal		999999.999999999	None	Adjusted Mean Quantity for each Commodity/Acreage report line in the Whole Farm Unit.
	Price Draw Quanity _{commodityj} i (Price)	ADM		\$99.99999999	None	Price Draw Quantity for each Commodity/Acreage report line in the Whole Farm Unit.

Reinsurance Year: 2023

	Record Name Record Code	J			Version: Release Date:	on: Approved nte: 3/6/2025		
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	n with Harvest Price Exclusion	
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley	
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules	
Simulated Revenue Protection Harvest Price Excluded Losses Whole = Farm (contintued)	Soo all commodities ∑ Round(MAX (0, ∑covIvI _{commodityj} * i=1 j= AY _{commodityj} * ProjPrice _{commodityj} * Acres _{commodityj} - all commodities ∑ Round(MAX(0, Round(Yield _{commodityj}) * j= AdjStdDev _{commodityj} + AdjMean _{commodityj} , 12), 12) * Round(MIN(2 * ProjPrice _{commodityj} , Round(e ^(Pricecommodityj) * Price Volatility Factorcommodityj + LnMeancommodityj), 12)), 12) * Round(Acres _{commodityj,12})),	Price Volatility Factor _{commodityj}	Internal		999999.9999999	None	Price Volatility Factor for each Commodity/Acreage report line in the Whole Farm Unit.	
	12)	log Mean _{commodityj} (LnMean)	Internal		999999.99999999	None	Log Mean for each Commodity/Acreage report line in the Whole Farm Unit.	
	<u>SimRPLossesWF</u> 500	Coverage Level Percent _{commodityj} (covlvl)	P14	34	9.9999	None	For Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion) this will be Effective Coverage Level Percent. See Section 16 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion).	
Revenue Protection Whole Farm Rate	= all commodities = \(\sum_{\commodityj} \text{* AY}_{\commodityj} \text{* ProjPrice}_{\cup commodityj} \text{*} \)	Revenue Protection Whole Farm Rate	Internal		99999999999999999	Round to 8 decimals.		
	Acres _{commodityj})	Projected Price or Contract Price _{commodityj} (ProjPrice)	ADM		99999.9999	None	Edit with ADM Price, "A00810". Projected Price or Contract Price (as addressed in Section 1) for each Commodity/Acreage report line in the Whole Farm Unit.	

Exhibit Number: P11-1, Plan 01, 02, 03
Record Name: Acreage

Record Code: P11

Reinsurance Year: 2023 Version: Approved Release Date: 3/6/2025

Insurance Plan Code 01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0011 Wheat 0047 Dry Beans 0075 Peanuts 0021 Cotton **Commodity Code** 0051 Grain Sorghum 0015 Canola 0041 Corn 0078 Sunflowers 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0016 Oats 0018 Rice 0091 Barley

Calculations	<u>Field</u> Name	Record Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules
	Coverage Level Percent _{commodityj} (covlvl)	P14	34	9.9999	None	For Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion) this will be Effective Coverage Level Percent. See Section 16 for Option Code "TA" (Trend Adjustment), "QL" (Quality Loss), and "YE" (Yield Exclusion).
Harvest Price Exclusion = T(covhyl * AV * ProiPrice *	Revenue Protection with Harvest Price Exclusion Whole Farm Rate	Internal		99999999999999999	Round to 8 decimals.	
	Projected Price or Contract Price _{commodityj} (ProjPrice)	ADM		99999.9999	None	Edit with ADM Price, "A00810". Projected Price or Contract Price (as addressed in Section 1) for each Commodity/Acreage report line in the Whole Farm Unit.
When Insurance Plan Code equals Revenue Protection, "02":						
Whole Farm Base Premium Rate Revenue Protection Whole Farm Rate	Whole Farm Base Premium Rate	Internal		9999999999999999	None	
When Insurance Plan Code equals Revenue Protection with Harvest Price Exclusion, "03":						
Whole Farm Base Prevenue Protection with Harvest Price Exclusion Whole Premium Rate	Whole Farm Base Premium Rate	Internal		99999999999999999	None	

		ber: P11-1, Plan 01, 02, 03 nme: Acreage ode: P11			Reinsurance Yea Versio Release Dat	n: Approved	
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	on with Harvest Price Exclusion
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	Calculations	<u>Field</u> Name	Record Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules
Section 8: Premium Rate							The Premium Rate for ALL Unit Structures should be capped at .999 in the event various adjustments to the Base Premium Rate would cause it to exceed 1.0.
When Unit Structure Cod Premium Rate	Whole Farm including Prevented Planting)	Dromium Rato	Internal		9999999999999999	Round to 8 decimals.	Premium Rate is capped at 0.99900000. For situations where the option factors vary by Commodity, a reported Acreage weighted average of the Option Factors should be used to determine the Multiplicative and Additive Optional Rate adjustments to be used in the
	+ Sum ((Reported Acreage * Additive Optional Rate Adjustment Factor) / Sum(Total Reported Acreage) fo Whole Farm including Prevented Planting), 8))	r					computation of the Premium Rate for Whole Farm Unit.

Exhibit Number: P11-1, Plan 01, 02, 03

Reinsurance Year: 2023

On Rate when Insurance Plan Code equals 03.

Version: Approved Record Name: Acreage **Release Date: 3/6/2025** Record Code: P11 **Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0047 Dry Beans 0011 Wheat 0021 Cotton 0075 Peanuts 0051 Grain Sorghum **Commodity Code** 0015 Canola 0041 Corn 0078 Sunflowers 0016 Oats 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0018 Rice 0091 Barley Field Record Field Field Field Number Number Rounding Rules Calculations Name **Format** Set Capped Revenue Add On Factor as When Unit Structure Code DOES NOT EQUAL Whole Farm Unit, "WU": follows: If Insurance Plan Code equals 01, Capped Revenue Add On Factor will equal zero. If Unit Structure Code does not equal Whole Farm (WU), set Capped Revenue Add On Factor as follows: If Section 6 is applicable, Capped Revenue Add On Factor will equal Capped Revenue MIN(.999, Base Premium Rate * Unit Structure Discount Protection Add On Rate when Insurance Plan Factor * Multiplicative Optional Rate Adjustment Factor+ Premium Rate = Premium Rate Internal 9999999999999999 Round to 8 decimals. Code equals 02 or Capped Revenue Protection Additive Optional Rate Factor + Capped Revenue Add On with Harvest Price Exclusion Add On Rate Factor) when Insurance Plan Code equals 03. If Section 6 is not applicable, Capped Revenue Add On Factor will equal Preliminary Revenue Protection Add On Rate when Insurance Plan Code equals 02 or Preliminary Revenue Protection with Harvest Price Exclusion Add

Reinsurance Year: 2023

	Record Name Record Code	•							
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protec	tion with Harvest Price Exclusion		
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley		
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> Number	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules		
Section 9: Total Premium	Amount, Subsidy Amount, and Producer Premium Amount								
		Preliminary Total Premium	Internal		999999999	Round to whole number.			
		Experience Factor	P11	47	9.999	None	Experience Factor is only applicable for Insurance Plan Code Yield Protection, "01".		
Preliminary Total Premium	Premium Liability Amount * Premium Rate * Experience = Factor * Premium Surcharge Percent * Total Premium Multiplicative Optional Rate Adjustment Factor	Premium Surcharge Percent	Internal				Use when the Approved Yield Had a Cup or Surcharge applied. Does not apply when option "YC" is elected. Set to 1.00.		
		Total Premium Multiplicative Optional Rate Adjustment Factor	ADM		9.9999	None	If Option Rate with Rate Method Code equal "T". Edit with ADM Option Rate, "A01060". Currently this will be used for Short Rate Option.		
		Total Premium Amount	P11	95	999999999	Round to whole number.			
Total Premium Amount	Preliminary Total Premium * Multiple Commodity Adjustment Factor	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063". Used when there is a first Commodity Loss.		
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 18 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	94	999999999	Round to whole number.			

		•				nr: 2023 n: Approved e: 3/6/2025			
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection with Harvest Price Exclusion			
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley		
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> Number	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules		
Cottonseed Endorsement							Information (Approved Yield, Reported Acreage, Insured Share Percent) will be obtained from Cotton P11 record and Rate Yield from P15 record associated with the Cottonseed record. CAT does not apply to Plan 01 Cottonseed. Unit Structure Code 'WL does not apply to Cottonseed.		
ection 10: Liability Calcu	ulation					<u> </u>			
		Modified Yield	Internal		9999999.99	Round to whole Number.			
Modified Yield	= Approved Yield * Option Conversion Factor	Approved Yield	P11	42	99999999.99	None	From Cotton P11 record. For skip row cotton, the approved yield is the converted approved yield from the P15 recor with skip row (yield conversion factor) applied.		
		Option Conversion Factor	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".		
Premium Guarantee Per Acre Amount	= Modified Yield * Coverage Level Percent	Premium Guarantee Per Acre Amount	Internal		999999999999999999999999999999999999999	Round to whole number.			
		Coverage Level Percent	P14	34	9.9999	None			
Guarantee Per Acre	When Guarantee Adjustment Type Code equals Late Planting, "L" OR Prevented Planting, "P":	Guarantee Per Acre Amount	Internal		99999999.99	Round to whole number.			
Amount		Guarantee Adjustment Factor	P11	69	0.999	None	Edit with the Guarantee Adjustment ICE, "D00068" or ADM Guarantee Adjustment, "A01220" for Prevented Planting.		
Price Flection Amount	= Projected Price * Price Election Percent	Price Election Amount	Internal		9999.9999	None	Cottonseed will equal the Projected Price from ADM regardless of Price Election Percer for Cotton Lint.		
FILE LIECTION ANDUNIC	- Frojected Frice Frice Election Fercent	Projected Price	ADM		99999.9999				
		Price Election Percent	ICE		9.9999	None	Will always be 1.000 for Cottonseed.		

Exhibit Number: P11-1, Plan 01, 02, 03

Reinsurance Year: 2023

	Record Name Record Code	e: P11				Version: Approved Release Date: 3/6/2025		
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protectio	n with Harvest Price Exclusion	
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn		0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley		
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules	
Premium Total	Premium Guarantee Per Acre Amount * Price Election Amount * Reported Acreage	Premium Total Guarantee Amount	Internal		99999999.99	Round to 2 decimals.		
Guarantee Amount	Amount * Reported Acreage	Price Election Amount	Internal		9999.9999	None		
		Reported Acreage	P11	48	99999999.99	None	From Cotton P11 record.	
Total Guarantee Amount :	Guarantee Per Acre Amount * Price Election Amount *	Total Guarantee Amount	P11	103	9999999.99	Round to 2 decimals.		
Total Guarantee Amount	Reported Acreage	Price Election Amount	Internal		9999.9999	None		
		Reported Acreage	P11	48	999999.99	None	From Cotton P11 record.	
	Premium Total Guarantee Amount * Insured Share	Premium Liability Amount	Internal		999999999	Round to whole number.		
Amount	reiteilt	Insured Share Percent	P11	43	9.9999	None	From Cotton P11 record.	
Liability Amount	= Total Guarantee Amount * Insured Share Percent	Liability Amount	P11	94	999999999	Round to whole number.		
		Insured Share Percent	P11	43	9.9999	None	From Cotton P11 record.	

	Record Name:	Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11			Reinsurance Year: 2023 Version: Approved Release Date: 3/6/2025			
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protectio	n with Harvest Price Exclusion	
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley	
	Calculations	<u>Field</u> Name	<u>Record</u> Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules	
Section 11: Premium Rate		<u>Italic</u>	- Italiioci	- Tuniber	<u> 10111100</u>	rounding	<u>naics</u>	
Premium Rate	MIN(.999, Base Premium Rate * Unit Structure Discount = Factor * Multiplicative Optional Rate Adjustment Factor+ Additive Optional Rate Factor)	Premium Rate	Internal		999999999999999999999999999999999999999	Round to 8 decimals.	To Determine the Premium Rate for the Cottonseed records: 1) Use the Rate Yield as determined under normal procedures. 2) Process the Rate Yield through section 3 of these procedures using the rating components for regular Cotton offer. If Yield Exclusion, Yield Cup, or Quality Loss is elected, see section 24 for the current year base premium rate calculation when the Effective Coverage Level exceeds the MAX ADM coverage level. 3) Find the Unit Structure Discount Factor to be applied later from section 2 of these procedures for regular Cotton offer. 4) Find the applicable Option Factors to be applied later from section 4 for regular Cotton offer. 5) Sections 5, 6, 7 are not applicable for Cottonseed records.	
		Multiplicative Optional Rate Adjustment Factor	Internal		999999.9999			
		Additive Optional Rate Adjustment Factor	Internal		999999.9999			
Section 12: Total Premium	n Amount, Subsidy Amount, and Producer Premium Amoun	t						
		Preliminary Total Premium	Internal		999999999	Round to whole number.		
Preliminary Total Premium	Premium Liability Amount * Premium Rate * Experience Factor * Premium Rate Surcharge Percent	Experience Factor	P11	47	9.999	None	Experience Factor is only applicable for Insurance Plan Code Yield Protection, "01".	
		Premium Rate Surcharge Percent					Does not apply when option "YC" is elected. Set to 1.00.	

Exhibit Number: P11-1, Plan 01, 02, 03

Reinsurance Year: 2023 Record Name: Acreage Version: Annroyed

	Record Nan Record Coo	Version: Approved Release Date: 3/6/2025						
Insurance Plan Code	01 Yield Protection	02 Revenue Protection	02 Revenue Protection			03 Revenue Protection with Harvest Price Exclusion		
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley	
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules	
Total Promium Amount	Preliminary Total Premium * Multiple Commodity	Total Premium Amount	P11	95	999999999	Round to whole number.		
Total Fremium Amount	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 18 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	94	999999999	Round to whole number.		

Insurance Plan Code	Exhibit Name: Premium Calculation Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11 ce Plan Code 01 Yield Protection 02 Revenue Protection				Reinsurance Year: 2023 Version: Approved Release Date: 3/6/2025 03 Revenue Protection with Harvest Price Exclusion					
	0011 Wheat	0021 Cotton			0047 Dry Beans		0075 Peanuts			
Commodity Code	0015 Canola	0041 Corn			0051 Grain Sorghum		0078 Sunflowers			
	0016 Oats	0043 Popcorn			0067 Dry Peas		0081 Soybeans			
	0018 Rice		•				0091 Barley			
	Calculations	<u>Field</u> Name	Record Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules			
APH Yield Trend (Trend Ad (Option 'QL'), and Yield Ex	djustment Option 'TA'), Yield Cup (Option 'YC'), Quality Los cclusion (Option 'YE')	s					Trend Adjustment Option (TA), Yield Cup Option (YC), Quality Loss Option (QL), and Yield Exclusion Option (YE) ONLY available in select counties for selected crops. See "white papers" for examples.			
Section 13: Effective Cove										
When Commodity Code e	quals Dry Beans "0047" and Type Code equals Contract "62	", or Commodity Code equals	Dry Peas "006	7" and Type	Code equals Spring Cont	ract "98":				
		Effective Coverage Level Percent	Internal		99.9999	Round to 2 decimals.				
		Coverage Level Percent	P14	34	9.9999	None				
Effective Coverage Level Percent	= Coverage Level Percent * Round(Approved Yield * Contract Price,0) / Adjusted Yield	Approved Yield	P11	42	99999999.99	None	For APH Trend, Yield Cup, Quality Loss, and Yield Exclusion, the Approved Yield will be the greater of the calculated Approved Yield and the Adjusted Yield.			
		Contract Price	P11	46	9999.9999	None				
		Adjusted Yield	P15	44	99999999.99	None				
For all others:		•	•		•	•				
		Effective Coverage Level Percent	Internal		99.9999	Rounded to 2 decimal places.				
		Coverage Level Percent	P14	34	9.9999	None				
Effective Coverage Level Percent	= Coverage Level Percent * Approved Yield/Adjusted Yield	Approved Yield	P11	42	99999999.99	None	For APH Trend, Yield Cup, Quality Loss, 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.			
		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.			

Exhibit Name: Premium Calculation Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2023 Record Name: Acreage Version: Approved **Release Date: 3/6/2025** Record Code: P11 **Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0047 Dry Beans 0011 Wheat 0021 Cotton 0075 Peanuts **Commodity Code** 0015 Canola 0041 Corn 0051 Grain Sorghum 0078 Sunflowers 0016 Oats 0067 Dry Peas 0043 Popcorn 0081 Soybeans 0018 Rice 0091 Barley Field Record Field Field Field Number Number Rounding Calculations Name **Format** Rules When Trend Adjustment Option (TA) was chosen and yield reflects a trend or when Section 14: Rate Differential Factor Yield Cup Option (YC) was chosen or when Quality Loss Option (QL) was chosen or when Yield Exclusion Option (YE) was chosen. When the Insurance Option Code List contains Options "QL", "YE" or "YC": Round to 9 decimal Rate Differential Factor 9.99999999 Internal 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". (1+ (ROUND (MIN ((MAX (0.85, Effective Coverage Based on the 'upper bound' Coverage Level. Level Percent) -0.85) / 0.15) ,1)3,7)) * 0.05) * (Round(Base Edit with ADM Coverage Level Differential, Rate Differential Factor + (Upper Bound Rate Differential Rate Differential Factor = "A01040". Factor - Lower Bound Rate Differential Factor) * (Effective If the Effective Coverage Level equals an Coverage Level Percent - Floored Effective Coverage Level existing ADM Coverage Level then this will be Percent) * 20, 9)) based on the Effective Coverage Level. Upper Bound Rate ADM 9.99999999 None If the Effective Coverage Level falls between Differential 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.

Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage

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> greater than the maximum ADM Coverage Level then this will be the highest ADM

Coverage Level.

Release Date: 3/6/2025 Record Code: P11 **Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0047 Dry Beans 0011 Wheat 0021 Cotton 0075 Peanuts **Commodity Code** 0015 Canola 0041 Corn 0051 Grain Sorghum 0078 Sunflowers 0016 Oats 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0018 Rice 0091 Barley Field Record Field Field Field Number Number Rounding Calculations Name **Format** Rules 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 ADM 9.99999999 None If the Effective Coverage Level Percent falls Differential 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 (1+ (ROUND (MIN ((MAX (0.85, Effective Coverage Level then this will be based on the second Level Percent) -0.85) / 0.15) ,1)3 ,7)) * 0.05) * (Round(Base highest ADM Coverage Level. Rate Differential Factor _ Rate Differential Factor + (Upper Bound Rate Differential (continued) = Factor - Lower Bound Rate Differential Factor) * (Effective Coverage Level Internal 99.9999 None Percent Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 9)) 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. Floored Effective Coverage Internal 99.9999 None If the Effective Coverage Level Percent falls Level Percent between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level Percent is

Exhibit Number: P11-1, Plan 01, 02, 03

Reinsurance Year: 2023 Version: Approved

> the maximum ADM Coverage Level then this will be based on the highest ADM Coverage

	Record Name Record Code	•				Version: Approved use Date: 3/6/2025		
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection with Harvest Price Exclusion		
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley	
	Calculations	<u>Field</u> Name	Record Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules	
		Prior Year Rate Differential Factor	Internal		9.99999999	Round to 9 decimal places.		
	Round(Base Prior Year Rate Differential Factor + (Upper	Base Prior Year Rate Differential Factor	ADM		9.999999999	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	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	

		•			Version	Reinsurance Year: 2023 Version: Approved Release Date: 3/6/2025		
Insurance Plan Code	01 Yield Protection	02 Revenue Protection			03 Revenue Protection with Harvest Price Exclusion			
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley	
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules	
	Round(Base Prior Year Rate Differential Factor + (Upper	Lower Bound Prior Year Rate Differential Factor	ADM		9.99999999	None	Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level.	
Prior Year Rate Differential Factor	Bound Prior Year Rate Differential Factor - Lower Bound	Effective Coverage Level Percent	Internal		99.9999	None		
Differential Factor = Prior Year Rate Differential Factor) * (Effective Coverage (contintued) Level Percent - Floored Effective Coverage Level Percent) * 20, 9)		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.		

Insurance Plan Code		•		Reinsurance Year Versior Release Date	on with Harvest Price Exclusion		
	0011 Wheat	0021 Cotton			0047 Dry Beans		0075 Peanuts
Commodity Code	0015 Canola	0041 Corn			0051 Grain Sorghum		0078 Sunflowers
	0016 Oats	0043 Popcorn			0067 Dry Peas		0081 Soybeans
	0018 Rice		ſ		(•	0091 Barley
		<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>	
	<u>Calculations</u>	<u>Name</u>	Number	<u>Number</u>	<u>Format</u>	Rounding	Rules
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		9.999999999	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".
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)		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.

0021 Cotton

Exhibit Number: P11-1, Plan 01, 02, 03

0011 Wheat

Reinsurance Year: 2023 Version: Approved **Release Date:** 3/6/2025

0075 Peanuts

0047 Dry Beans

Record Name: Acreage Record Code: P11

01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion Insurance Plan Code

Commodity Code 0051 Grain Sorghum 0078 Sunflowers 0041 Corn 0015 Canola 0016 Oats 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0018 Rice

0091 Barley

0018 RICE						0091 Barley
<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> Rounding	Rules
	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	

Exhibit Number: P11-1, Plan 01, 02, 03
Record Name: Acreage

Reinsurance Year: 2023 Version: Approved Release Date: 3/6/2025

Record Code: P11

<u>Insurance Plan Code</u> 01 Yield Protection 02 Revenue Protection

03 Revenue Protection with Harvest Price Exclusion

Commodity Code 0011 Wheat 0015 Canola 0016 Oats 0018 Rice

0021 Cotton 0041 Corn 0043 Popcorn 0047 Dry Beans0075 Peanuts0051 Grain Sorghum0078 Sunflowers0067 Dry Peas0081 Soybeans

0091 Barley

<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> Rounding	Rules
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)		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.

		mber: P11-1, Plan 01, 02, 03 Name: Acreage Code: P11			Reinsurance Yea Versioi Release Date		
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protecti	on with Harvest Price Exclusion
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> Number	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules
		Prior Year Rate Differential Factor	Internal		9.99999999	Round to 9 decimal places.	
	Round(Base Prior Year Rate Differential Factor + (Upper	Base Prior Year Rate Differential Factor	ADM		9.999999999	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	Bound Prior Year Rate Differential Factor - Lower Bound = Prior Year Rate Differential Factor) * (Effective Coverage	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 b 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.

		•							
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protec	03 Revenue Protection with Harvest Price Exclusion		
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0041 Corn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley		
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules		
	Round(Base Prior Year Rate Differential Factor + (Upper	Lower Bound Prior Year Rate Differential Factor	ADM		9.99999999	None	Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level.		
Prior Year Rate Differential Factor		Effective Coverage Level Percent	Internal		99.9999	None			
Differential Factor = Prior Year Rate Differential Factor) * (Effective C	,	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 Name: Premium Calculation Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2023 Version: Approved Record Name: Acreage **Release Date: 3/6/2025** Record Code: P11 **Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0047 Dry Beans 0011 Wheat 0021 Cotton 0075 Peanuts 0051 Grain Sorghum **Commodity Code** 0015 Canola 0041 Corn 0078 Sunflowers 0016 Oats 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0018 Rice 0091 Barley Field Record Field Field Field Calculations Number Number Rounding Name **Format** Rules The lookup/interpolation/extrapolation procedure for 'Unit Residual Factor and Prior Unit Residual Factor' when Trend Adjustment Section 15: Unit Residual Factor Option (TA) was chosen and yield reflects a trend or when Yield Cup Option was chosen or when Quality Loss Option (QL) 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 MAX(Residual Factor) from all coverage levels Round to 3 decimal Unit Residual Factor Internal 999.999 within the chosen unit structure regardless of places. Coverage Type Code where applicable (Buyup/CAT). Base Unit Residual Factor is equal to Unit Residual for Minimum of 1) Maximum available Coverage Level or; 2) available Base Unit Residual Factor ADM 999.999 None Coverage Level less than or equal to Effective

Coverage Level. Edit with ADM Coverage Level

Differential, "A01040".

Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2023 Version: Approved Record Name: Acreage Record Code: P11 **Release Date: 3/6/2025** 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 0047 Dry Beans 0011 Wheat 0021 Cotton 0075 Peanuts **Commodity Code** 0051 Grain Sorghum 0015 Canola 0041 Corn 0078 Sunflowers 0016 Oats 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0018 Rice 0091 Barley Field Record Field Field Field Number Number Rounding Calculations Name **Format** Rules Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". Round(Base Unit Residual Factor + (Upper Bound Unit If the Effective Coverage Level Percent equals Residual Factor - Lower Bound Unit Residual Factor) * Unit Residual Factor = an existing ADM Coverage Level then this will (Effective Coverage Level Percent - Floored Effective be based on the Effective Coverage Level Coverage Level Percent) * 20, 3) Percent. Upper Bound Unit Residual ADM 999.999 None If the Effective Coverage Level Percent falls Factor between existing ADM Coverage Levels then this will be based on the higher ADM Coverage 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.

	Record Name	Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11				Reinsurance Year: 2023 Version: Approved Release Date: 3/6/2025				
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protec	tion with Harvest Price Exclusion			
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley			
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> Number	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules			
		Lower Bound Unit Residual Factor	ADM		999.999	None	Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level.			
Unit Residual Factor	Round(Base Unit Residual Factor + (Upper Bound Unit Residual Factor - Lower Bound Unit Residual Factor) * (Effective Coverage Level Percent - Floored Effective	Effective Coverage Level Percent	Internal		99.9999	None				
(contintued) (Effective Coverage	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 then this will be the highest ADM Coverage Level.			

	Exhibit Number: Record Name:	Exhibit Name: Premium Calculation Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11				Reinsurance Year: 2023 Version: Approved Release Date: 3/6/2025				
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	on with Harvest Price Exclusion			
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley			
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<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 - Floored 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.			

Exhibit Number: P11-1, Plan 01, 02, 03

Reinsurance Year: 2023

will be the highest ADM Coverage Level.

Version: Approved Record Name: Acreage Record Code: P11 **Release Date: 3/6/2025** 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 0011 Wheat 0047 Dry Beans 0021 Cotton 0075 Peanuts **Commodity Code** 0051 Grain Sorghum 0015 Canola 0041 Corn 0078 Sunflowers 0016 Oats 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0018 Rice 0091 Barley Field Record Field Field Field Number Rounding Calculations Name Number Rules **Format** Effective Coverage Level Internal 99.9999 None Percent Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an Round(Base Prior Year Unit Residual Factor + (Upper existing ADM Coverage Level then this will be Prior Year Unit Residual Bound Prior Year Unit Residual Factor - Lower Bound Prior Floored Effective Coverage the Effective Coverage Level. Factor = Year Unit Residual Factor) * (Effective Coverage Level Internal 99.9999 None Level Percent If the Effective Coverage Level falls between (continued) Percent - Floored Effective Coverage Level Percent) * 20, 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

	Exhibit Numb Record Nam Record Coo	J	Reinsurance Year: 202 Version: Ap Release Date: 3/6			on: Approved	Approved	
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	on with Harvest Price Exclusion	
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley	
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> Number	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	Rules	
When Unit Structure Code	e is equal to Enterprise Unit, 'EU', use the following calcul	ations for Enterprise Unit Residu	al Factor and	Prior Year E	nterprise Unit Residual I	actor:		
		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 leve within the chosen unit structure	
		Base Enterprise Unit Residual Factor	ADM		999.999	None	Base Enterprise Unit Residual Factor is equ to Enterprise Unit Residual for Minimum of Maximum available Coverage Level or; 2) available Coverage Level less than or equal Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040".	
Enterprise Unit Residual Factor	= Enterprise Unit Residual Factor) * (Effective Coverage	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 equan existing ADM Coverage Level then this was be based on the Effective Coverage Level Percent. If the Effective Coverage Level Percent falls between existing ADM Coverage Levels the this will be based on the higher ADM Cover 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.	

	Record	umber: P11-1, Plan 01, 02, 03 Name: Acreage d Code: P11			Reinsurance Yea Version Release Dat	n: Approved		
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protec	ection with Harvest Price Exclusion	
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn Field Name	0041 Corn 0043 Popcorn Field Record			<u>Field</u> Rounding	0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley	
	Round(Base Enterprise Unit Residual Factor + (Upp	Lower Bound Enterprise Unit Residual Factor	ADM	Number	<u>Format</u> 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.	
Enterprise Unit Residual Factor	Bound Enterprise Unit Residual Factor - Lower Bou	nd Effective Coverage Level	Internal		99.9999	None		
Factor = Enterprise Unit Residual Factor - Lower Bound Factor = Enterprise Unit Residual Factor) * (Effective Coverage (contintued) Level Percent - Floored Effective Coverage Level Pen * 20, 3)		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 Record Name Record Code	•				Year: 2023 sion: Approved Date: 3/6/2025		
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protecti	on with Harvest Price Exclusion	
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley	
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> Number	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	<u>Rules</u>	
		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	
Dough (Doog Enterprise Dries Voor Unit I	Round(Base Enterprise Prior Year Unit Residual Factor +	Base Enterprise Prior Year Unit Residual Factor	ADM		999.999	None	Base Enterprise Prior Year Unit Residual Facto 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".	
Prior Year Enterprise 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)	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.	

Exhibit Number: P11-1, Plan 01, 02, 03
Record Name: Acreage

Reinsurance Year: 2023

Version: Approved

99.9999

None

existing ADM Coverage Level then this will be

If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be

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

the Effective Coverage Level.

the lower ADM Coverage Level.

	Record Code	Record Code: P11			Release Date: 3/6/2025				
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protec	tion with Harvest Price Exclusion		
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley		
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules		
Prior Year Enterprise Unit	Round(Base Enterprise Prior Year Unit Residual Factor + (Upper Bound Prior Year Enterprise Unit Residual Factor -	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.		
Residual Factor (continued)	= Lower Bound Prior Year Enterprise Unit Residual Factor) * (Effective Coverage Level Percent - Floored Effective	Effective Coverage Level Percent	Internal		99.9999	None			
Coverage Level Percent) * 20, 3)						Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an			

Internal

Floored Effective Coverage

Level Percent

		•			Reinsurance Year: Version: Release Date:		
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	on with Harvest Price Exclusion
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> Number	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules
When Unit Structure Code	e is equal to Whole Farm Unit, 'WU', use the following calcu	lations for Whole Farm Unit Re	esidual Factor	r and Prior Y	ear Whole Farm Unit Resid	lual Factor:	
		Whole Farm 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 Whole Farm Unit Residual Factor	ADM		999.999	None	Base Whole Farm Unit Residual Factor is equa to Whole Farm 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".
Whole Farm Unit Residual Factor	Round(Base Whole Farm Unit Residual Factor + (Upper Bound Whole Farm Unit Residual Factor - Lower Bound = Whole Farm Unit Residual Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 3)	Upper Bound Whole Farm 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 Coverag 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.

	Exhibit Number Record Name Record Code	o .				ear: 2023 ion: Approved ate: 3/6/2025			
Insurance Plan Code	01 Yield Protection	02 Revenue Protection		03 Revenue Protection with Harvest Price Exclusion					
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn	- Bassard	_	0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas	Field	0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley		
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules		
	Round(Base Whole Farm Unit Residual Factor + (Upper	Lower Bound Whole Farm 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.		
Whole Farm Unit Residual Factor	= Whole Farm Unit Residual Factor) * (Effective Coverage	Effective Coverage Level Percent	Internal		99.9999	None			
Residual Factor = (continued)	Bound Whole Farm Unit Residual Factor - Lower Bound	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.		

Reinsurance Year: 2023

	Exhibit Number: Record Name: Record Code:	•			Reinsurance Year Versior Release Date	1: Approved	
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protecti	on with Harvest Price Exclusion
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	<u>Rules</u>
	Round(Base Whole Farm Prior Year Unit Residual Factor +	Prior Year Whole Farm 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 Whole Farm Unit Residual Factor	(Upper Bound Prior Year Whole Farm Unit Residual Factor - Lower Bound Prior Year Whole Farm Unit Residual Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 3)	Base Whole Farm Base Prior Year Unit Residual Factor	ADM		999.999	None	Base Whole Farm Base Prior Year Unit Residual Factor is equal to Whole Farm Base 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".
	Round(Base Whole Farm Prior Year Unit Residual Factor +	Upper Bound Prior Year Whole Farm 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.
	Upper Bound Prior Year Whole Farm Unit Residual Factor - Lower Bound Prior Year Whole Farm Unit Residual Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 3)	Lower Bound Prior Year Whole Farm 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 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 Number: P11-1, Plan 01, 02, 03

Record Name: Acreage Record Code: P11 Reinsurance Year: 2023 Version: Approved Release Date: 3/6/2025

Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	on with Harvest Price Exclusion
	0011 Wheat	0021 Cotton			0047 Dry Beans		0075 Peanuts
Commodity Code	0015 Canola	0041 Corn			0051 Grain Sorghum		0078 Sunflowers
	0016 Oats	0043 Popcorn			0067 Dry Peas		0081 Soybeans
	0018 Rice						0091 Barley
		F:-1-1	Danamil	et al al	et-14	F:-1-I	

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	<u>Rules</u>
Round(Base Whole Farm Prior Year Unit Residual Factor + Prior Year Whole Farm Unit Residual Factor - Lower Bound Prior Year Whole Farm Unit Residual Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 3)		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.

Section 15: Unit Discount Calculation

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), Quality Loss Option (QL), 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 following calculation for Unit Structure Discount Factor:

		•			Reinsurance Year Version Release Date	: Approved	
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protecti	on with Harvest Price Exclusion
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	Calculations	<u>Field</u> Name	Record Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules
		Unit Structure Discount	Internal		9.99999999	Round to 4 decimal places.	Capped at 1.0
		Base Coverage Level Percent Optional Unit Discount Factor	ADM		9.99999999	None	Base Coverage Level Percent Optional Unit Discount Factor is equal to Percent Optional Discount for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040".
Unit Structure Discount Factor	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)	Upper Bound Coverage Level Percent Optional Unit Discount Factor	ADM		9.999999999	None	Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.
		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 Number: Record Name: Record Code:	•			Reinsurance Year Version Release Date	: Approved	
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protecti	ion with Harvest Price Exclusion
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules
Unit Structure Discount Factor : (continued)	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)	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 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.

		•			Reinsurance Year Version Release Date	: Approved	
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	on with Harvest Price Exclusion
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas	_	0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	Calculations	<u>Field</u> Name	Record Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules
When Unit Structure Code	e is equal to Basic Unit, 'BU', use the following calculation for						
		Unit Structure Discount Factor	Internal		9.99999999	Round to 4 decimal places.	Capped at 1.0
		Base Coverage Level Percent Basic Unit Discount Factor	ADM		9.99999999	None	Base Coverage Level Percent Basic Unit Discount Factor is equal to Basic Unit Discount Factor for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040".
Unit Structure Discount Factor	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)	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.

Exhibit Number: P11-1, Plan 01, 02, 03

Reinsurance Year: 2023 Version: Approved Release Date: 3/6/2025

0047 Dry Beans

Record Name: Acreage Record Code: P11

Insurance Plan Code	01 Yield Protection	02 Revenue Protection
	0011 Wheat	0021 Cotton
Commodity Code	0015 Canola	0041 Corn
	0016 Oats	0043 Popcorn
	0018 Rice	

03 Revenue Protection with Harvest Price Exclusion

0075 Peanuts

0051 Grain Sorghum 0078 Sunflowers 0067 Dry Peas 0081 Soybeans 0091 Barley

	<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> Rounding	Rules
		Effective Coverage Level Percent	Internal		99.9999	None	
Unit Structure Discount Factor =	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)	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.

		•			Reinsurance Year Version Release Date	: Approved	
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	n with Harvest Price Exclusion
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	Calculations	<u>Field</u> Name	<u>Record</u> Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules
When Unit Structure Code	is equal to Enterprise Unit, 'EU', use the following calculat				<u></u>		
		Unit Structure Discount Factor	Internal		9.99999999	Round to 4 decimal places.	Capped at 1.0
		Base Coverage Level Percent Enterprise Unit Discount Factor	ADM		9.99999999	None	Base Coverage Level Percent Enterprise Unit Discount Factor is equal to Enterprise Unit Discount Factor for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040".
	Round(Base Coverage Level Percent Enterprise Unit Discount Factor + (Upper Bound Coverage Level Percent Enterprise Unit Discount Factor - Lower Bound Coverage Level Percent Enterprise Unit Discount Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 4)	Upper Bound Coverage Level Percent Enterprise Unit Discount Factor	ADM		9.999999999	None	Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.
		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.

02 Revenue Protection

Record Name: Acreage Record Code: P11 Reinsurance Year: 2023 Version: Approved Release Date: 3/6/2025

03 Revenue Protection with Harvest Price Exclusion

Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	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	<u>Rules</u>
		Effective Coverage Level Percent	Internal		99.9999	None	
Unit Structure Discount Factor (continued)	Round(Base Coverage Level Percent Enterprise Unit Discount Factor + (Upper Bound Coverage Level Percent Enterprise Unit Discount Factor - Lower Bound Coverage Level Percent Enterprise Unit Discount Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 4)	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.

Downed Rice Endorsement (DRE) Option 'DC'

Insurance Plan Code

01 Yield Protection

CAT does not apply to Downed Rice (DRE).
Only Unit Structure Codes 'BU and OU' apply regardless of the base Rice selection. Price Election Percent for base Rice will apply to DRE. Subsidy Level will be 38% for DRE regardless of the base Rice Unit Structure or Coverage Level. Insured Share can be different for DRE than base Rice. Insured Share will be 100%. DRE coverage is not available for high-risk CAT acreage if excluded from additional coverage for Base Rice.

Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2023 Version: Approved Record Name: Acreage **Release Date: 3/6/2025** Record Code: P11 **Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0047 Dry Beans 0011 Wheat 0021 Cotton 0075 Peanuts **Commodity Code** 0015 Canola 0041 Corn 0051 Grain Sorghum 0078 Sunflowers 0016 Oats 0067 Dry Peas 0081 Soybeans 0043 Popcorn 0018 Rice 0091 Barley Field Record Field Field <u>Field</u> Calculations Number Number Rounding Rules Name **Format** Section 16: Liability Calculation Round to whole Premium Liability Amount Internal 999999999 number. Edit with ADM Price, "A00810", Fixed Dollar Amount of Insurance ADM 99999 None Coverage Amount with insurance option = Premium Liability = Dollar Amount of Insurance * Reported Acreage * Insured
Amount = Share Percent * Price Election Percent 'DC'. P11 48 Reported Acreage 99999999.99 None DRE insured share will always be 100% Insured Share Percent P11 43 9.9999 None without regards to base Rice. Price Election Percent ICE 9.9999 From base Rice P14 record. None Round to whole Liability Amount P11 94 999999999 number. Edit with ADM Price, "A00810", Fixed Dollar Amount of Insurance ADM 99999 None Coverage Amount with insurance option = Liability Amount = Dollar Amount of Insurance * Reported Acreage * Insured Share Percent * Price Election Percent 'DC'. Reported Acreage P11 48 999999.99 None DRE insured share will always be 100% **Insured Share Percent** P11 43 9.9999 None without regards to base Rice. Price Election Percent ICE 9.9999 None From base Rice P14 record.

Record Name: Acreage

Reinsurance Year: 2023 Version: Annroyed

	Record Name: Record Code:	•			Version Release Dat	n: Approved e: 3/6/2025	
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protect	ion with Harvest Price Exclusion
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules
Section 17: Total Premiur	n Amount, Subsidy Amount, and Producer Premium Amoun	t					
Preliminary Total		Preliminary Total Premium	Internal		999999999	Round to whole number.	
Premium	= Premium Liability Amount * Premium Rate	Premium Rate	ADM			None	Edit with ADM Option Rate, "A01060", rate with insurance option = 'DC'.
Total Premium Amount	= Preliminary Total Premium	Total Premium Amount	P11	95	999999999	Round to whole number.	
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 18 for subsidy calculations.
		Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070". Will always be 38% for DRE.
	= Total Premium Amount - Subsidy Amount	Producer Premium Amount	P11	94	999999999	Round to whole number.	
Section 18: Beginning Fari	mer and Rancher (BFR), Veteran Farmer Rancher (VFR), Nati	ve Sod (NS) and Conservation	Compliance	(CC) Subsidy	Calculations		
Base Subsidy Amount	= Total Premium Amount * Subsidy Percent	Base Subsidy Amount	Internal		999999999	Round to whole number.	Cupped by the standard rule of \$1 if applicable.
		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	= Base Subsidy Amount * CC Subsidy Reduction Percent	CC Subsidy Reduction Percent	P11	76	9.9999	None	If Applicable; else 0.
Amount	- base subsidy Amount - Co subsidy Neduction Percent	CC Subsidy Reduction Amount	P11	111	999999999	Round to whole number.	CC Subsidy Reduction Amount. If Applicable; else 0.
Subsidy Amount	Base Subsidy Amount + BFR/VFR 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.

Reinsurance Year: 2023

	Record Name: Acrea Record Code: P11		Release Date: 3/6/2025					
surance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protecti	on with Harvest Price Exclusion	
	0011 Wheat	0021 Cotton			0047 Dry Beans		0075 Peanuts	
Commodity Code	0015 Canola	0041 Corn			0051 Grain Sorghum		0078 Sunflowers	
	0016 Oats	0043 Popcorn			0067 Dry Peas		0081 Soybeans	
	0018 Rice						0091 Barley	
		<u>Field</u>	Record	Field	<u>Field</u>	<u>Field</u>		
	Calculations	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	Rules	
Producer Premium	= Total Premium Amount - Subsidy Amount	Producer Premium Amount	P11	94	999999999	Round to whole		
Amount	- Total Fremium Amount - Subsidy Amount	Troducer Fremium Amount	1 11	34	333333333	number.		
ion 19: Yield Cup, Yie	ld Exclusion, Quality Loss, and Trend APH Current Year Base	Premium Rate Calculations (or Unadjusted Liability Amount	Internal	the Effective	e Coverage Level for the o		nest coverage level for the offer in the AL	
		<u> </u>	-	the Effective		Round to whole	nest coverage level for the offer in the Al	
Unadjusted Liability	Round((Coverage Level Percent/Effective Coverage Level Percent),10) * Premium Liability Amount	Unadjusted Liability Amount	Internal		999999999	Round to whole number.	nest coverage level for the offer in the Al	

Reinsurance Year: 2023

Record Name: Acreage							
Insurance Plan Code	01 Yield Protection	P11 02 Revenue Protection			Release Date	• •	on with Harvest Price Exclusion
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn		0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley	
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules
	When Unit Structure Code is equal to Optional Unit, "OU", "UA" or "UD: ROUND(1.00/ Current Year Base Rate,8) — ROUND(Unadjusted Liability Amount/(Current Year Base Rate * Premium Liability Amount),8) + ROUND(ROUND(Base Rate Differential Factor * Base Unit Residual Factor * Base Optional Unit Structure Discount Factor * Unadjusted Liability Amount,8)/Premium Liability Amount,8)	Max Coverage Level Adjustment Factor	Internal		9999999999999999	Round to 8 decimals.	
		Unadjusted Liability Amount	Internal		999999999	Round to whole number.	
		Current Year Base Rate	Internal		9999999999.99999	Round to 8 decimals.	
		Premium Liability Amount	Internal		999999999	Round to whole number.	
Max Coverage Level = Adjustment Factor		Base Rate Differential Factor	ADM		9.99999999	None	
		Base Unit Residual Factor	ADM		999.999	None	
		Base Optional Unit Structure Discount Factor	ADM		9.99999999	None	Base Optional Unit Structure Discount Factor is equal to Optional Unit Discount Factor fo Minimum of 1) Maximum available Coverag Level or; 2) available Coverage Level less that or equal to Effective Coverage Level. Edit w ADM Coverage Level Differential, "A01040" See Section 19 for more info.
	When Unit Structure code is Basic Unit, "BU": ROUND(1.00/ Current Year Base Rate,8) — ROUND(Unadjusted Liability Amount/(Current Year Base Rate * Premium Liability Amount),8) + ROUND(ROUND(Base Rate Differential Factor * Base Unit Residual Factor * Base Basic Unit Structure Discount Factor * Unadjusted Liability Amount,8)/Premium Liability Amount,8)	Base Basic Unit Structure Discount Factor	ADM		9.99999999	None	Base Basic Unit Structure Discount Factor is equal to Basic Unit Discount Factor for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less tha or equal to Effective Coverage Level. Edit w ADM Coverage Level Differential, "A01040". See Section 19 for more info. When the total planted acres for the unit is (all acres are prevented planted) set to 1.00

Reinsurance Vear: 2023

	Record Name:	Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11			Reinsurance Year: Version: Release Date:		
Insurance Plan Code	01 Yield Protection	03 Revenue Protection with Harvest Price Exclusion					
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas	0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley	
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules
Max Coverage Level Adjustment Factor (continued)	When Unit Structure code is Enterprise Unit, "EU": ROUND(1.00/ Current Year Base Rate,8) — ROUND(Unadjusted Liability Amount/(Current Year Base Rate * Premium Liability Amount),8) + ROUND(ROUND(Base Rate Differential Factor * Base Enterprise Unit Residual Factor * Base Enterprise Unit Structure Discount Factor * Unadjusted Liability Amount,8)/Premium Liability Amount,8)	Base Enterprise Unit Structure Discount Factor	ADM		9.99999999	None	Base Enterprise Unit Structure Discount Factor is equal to Enterprise Unit Discount Factor for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040". See Section 19 for more info. When the total planted acres for the unit is 0 (all acres are prevented planted) set to 1.00.
		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".
	When Unit Structure code is Whole Farm Unit "WU": ROUND(1.00/ Current Year Base Rate,8) — ROUND(Unadjusted Liability Amount/(Current Year Base Rate * Premium Liability Amount),8) + ROUND(ROUND(Base Rate Differential Factor * Base Whole Farm Unit Residual Factor * Unit Structure Discount Factor * Unadjusted Liability Amount,8)/Premium Liability Amount,8)	Unit Structure Discount Facto	Internal		9.9999999	None	Capped at 1.0 See Section 19 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion).
		Base Whole Farm Unit Residual Factor	ADM		999.999	None	Base Whole Farm Unit Residual Factor is equato Whole Farm 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".

	Exhibit Number: Record Name: Record Code:	Reinsurance Year: 2023 Version: Approved Release Date: 3/6/2025					
Insurance Plan Code	01 Yield Protection	02 Revenue Protection			n with Harvest Price Exclusion		
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn	0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas			0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley	
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules
		Marginal rate Adjustment Marginal Adjustment Rate Factor	Internal		9.9999999	Round to 8 decimals.	
		Max Coverage Level Adjustment Factor	Internal		999999999999999	Round to 8 decimals.	
Marginal Rate Adjustment Factor	Max Coverage Level Adjustment Factor /(Rate Differential Factor * Unit Residual Factor * Unit Structure Discount Factor)	Rate Differential Factor	ADM		9.99999999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 17 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion).
		Unit Residual Factor	ADM		999.999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion).
		Unit Structure Discount Facto	Internal		9.9999999	None	Capped at 1.0 See Section 19 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion).
	When Unit Structure code is Enterprise Unit, "EU": 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 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion) where Unit Structure Code equal to Enterprise Unit, 'EU
	When Unit Structure code is Whole Farm Unit, "WU": Max Coverage Level Adjustment Factor /(Rate Differential Factor * Whole Farm Unit Residual Factor * Unit Structure Discount Factor)	Whole Farm Unit Residual Factor	ADM		9.999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), and "YE" (Yie Exclusion) where Unit Structure Code equal Whole Farm Unit, 'WU'.

	Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11			Reinsurance Year: 2023 Version: Approved Release Date: 3/6/2025					
Insurance Plan Code	Plan Code 01 Yield Protection 02 Revenue Protection			03 Revenue Protection with Harvest Price Exclusion					
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley		
	Calculations	<u>Field</u> Name	Record Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules		
		Current Year Base Premium Rate	Internal		9999999999999999	Round to 8 decimals.			
	When Unit Structure Code is equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, "BU":	Rate Differential Factor	ADM		9.99999999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 17 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), 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 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion) where Unit Structure Code equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, 'BU'.		
Current Year Base Premium Rate		Marginal Rate Adjustment Factor	Internal		99999999999999999	Round to 8 decimals.			
-	When Unit Structure code is Enterprise Unit, "EU": 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 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion) where Unit Structure Code equal to Enterprise Unit, 'EU'.		
	When Unit Structure code is Whole Farm Unit, "WU": Round(Current Year Base Rate * Rate Differential Factor * Whole Farm Unit Residual Factor, 8) * MIN(Marginal Rate Adjustment Factor, 1.00)	Whole Farm Unit Residual Factor	ADM		9.999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion) where Unit Structure Code equal to Whole Farm Unit, 'WU'.		

Reinsurance Year: 2023

	Record Name: Record Code:	•			Version: Release Date:		
Insurance Plan Code	01 Yield Protection	02 Revenue Protection			n with Harvest Price Exclusion		
Commodity Code	0015 Canola	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas	0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley	
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules
ection 20: Yield Cup, Yiel offer in the ADM).	ld Exclusion, Quality Loss, and Trend APH for CottonseedC	urrent Year Base Premium Rat	e Calculation	ns (only use v	when the Effective Coverag	e Level for the record	exceeds the highest coverage level for the
		Current Year Base Premium Rate	Internal		9999999999999999	Round to 8 decimals.	
Current Year Base Premium Rate	When Unit Structure Code is equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, "BU": Round(Current Year Base Rate * Rate Differential Factor * Unit Residual Factor, 8) * MIN(Marginal Rate Adjustment Factor, 1.00)	Rate Differential Factor	ADM		9.99999999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 17 for Option Code "TA" (Tren Adjustment), "YC" (Yield Cup), "QL" (Quali Loss), and "YE" (Yield Exclusion).
		Unit Residual Factor	ADM		999.999	None	Edit with ADM Coverage Level Differential "A01040". See Section 18 for Option Code "TA" (Trer Adjustment), "YC" (Yield Cup), "QL" (Qual Loss), and "YE" (Yield Exclusion) where Ur Structure Code equal to Optional Unit, "O
		Marginal Rate Adjustment Factor	Internal		9999999999999999	Round to 8 decimals.	Copy value over from the base lint line.
	When Unit Structure Code is is Enterprise Unit, "EU": 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 18 for Option Code "TA" (Trer Adjustment), "YC" (Yield Cup), "QL" (Quali Loss), and "YE" (Yield Exclusion) where Un Structure Code equal to Enterprise Unit, 'E