Premium Calculation Evhibit Nam

Exhibit Name: Premium Calculation Exhibit Number: P11-1, Plan 01, 02, 03 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			Reinsurance Year: 2024 Version: Draft Release Date: 6/27/2024  ue Protection  03 Revenue Protection with Harvest Price Exc ton  0051 Grain Sorghum  0081 Soybeans						
	0016 Oats 0018 Rice	0043 Popcorn 0047 Dry Beans			0075 Peanuts 0078 Sunflowers		0094 Rye 0805 Weaned Calves		
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>		
Section 1: Liability Calcula	tion					_			
			Internal		9999999999999	If Unit of Measure equals Pounds "LBS", then round to whole number.  If Unit of Measure equals Tons "TONS", then round to 2 decimals.  Otherwise, round to 1 decimal.	Common Crop Insurance Policy definition 'production guarantee (per acre)'.  Premium Guarantee Per Acre Amount should be rounded to whole pounds for Dry Beans, "0047" (all types), and Dry Peas, "0067" (all types).		
Premium Guarantee Per Acre Amount = Approved Yield * Coverage Level Percent		Approved Yield	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 it the converted approved yield from the P15 record with skip row (yield conversion factor) applied.		
			P14	34	9.9999	None	For APH Trend, Quality Loss, and Yield Exclusion the Coverage Level Percent in this section is ALWAYS the chosen coverage level and NOT the Effective Coverage Level.		

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

	Exhibit Number:							
	Record Name: Record Code:	•	Version: Draft Release Date: 6/27/2024					
Insurance Plan Code	01 Yield Protection	02 Revenue Protection			neicuse Bute	•	n with Harvest Price Exclusion	
	0011 Wheat	0021 Cotton			0051 Grain Sorghum		0081 Soybeans	
Commodity Code	0015 Canola	0041 Corn			0067 Dry Peas		0091 Barley	
	0016 Oats	0043 Popcorn			0075 Peanuts 0078 Sunflowers		0094 Rye 0805 Weaned Calves	
	0018 Rice	0047 Dry Beans Field	Record	Field	Field	Field	0803 Wedned Calves	
	<u>Calculations</u>	Name	Number	Number	Format	Rounding	<u>Rules</u>	
Guarantee Per Acre Amount	When Guarantee Adjustment Type Code equals Late Planting, "L" OR Prevented Planting, "P":  Premium Guarantee Per Acre Amount * Guarantee Adjustment Factor  =	Guarantee Per Acre Amount	Internal		999999999.99	If Unit of Measure equals Pounds "LBS", then round to whole number.  If Unit of Measure equals Tons "TONS", then round to 2 decimals.  Otherwise, round to 1 decimals.	Guarantee Per Acre Amount should be rounded to whole pounds for Dry Beans, "0047" (all types), and Dry Peas, "0067" (all types).	
		Guarantee Adjustment Factor	P11	69	0.999	None	Edit with the Guarantee Adjustment ICE, "D00068" or ADM Guarantee Adjustment, "A01220" for Preventing Planting.	
Price Election Amount	= Projected Price (or Contract Price) * Price Election Percent	Price Election Amount	Internal		9999.9999	When Commodity Code equals Barley, "0091", Corn, "0041", Cotton, "0021", Grain Sorghum, "0051", Soybeans "0081", Oats "0016", Rye "0094", or Wheat "0011"; round to nearest whole cent [\$9.99]. If result is based on Contract Price round to nearest one hundredth cent (\$9.9999).		

Fxhihit Number: P11-1 Plan 01 02 02

	Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11					Reinsurance Year: 2024 Version: Draft Release Date: 6/27/2024				
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 Field Name	Record Number	<u>Field</u> Number	0051 Grain Sorghum 0067 Dry Peas 0075 Peanuts 0078 Sunflowers Field	<u>Field</u> Rounding	0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves			
Price Election Amount (continued)	- Projected Price (or Contract Price) * Price Election Percen	Price Election Amount (continued)	Internal		<u>Format</u> 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", Dry 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 Number: P11-1, Plan 01, 02, 03  Record Name: Acreage  Record Code: P11				Reinsurance Year: 2024  Version: Draft  Release Date: 6/27/2024					
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 0094 Rye 0805 Weaned Calves			
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	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, when Insurance Plan Code is Revenue Protection, "02", or Revenue Protection with Harvest Price Exclusion, "03". Edit with ICE Price Election Percent, "D00007".			
		Premium Total Guarantee Amount	Internal		9999999.99	Round to 2 decimals.				
Premium Total Guarantee	Premium Guarantee Per Acre Amount * Price Election Amount * Reported Acreage	Price Election Amount	Internal		9999.9999	None				
Amount	Amount Reported 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	99999999.99	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 Name: Premium Calculation Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2024 Record Name: Acreage Version: Draft Record Code: P11 Release Date: 6/27/2024 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 0051 Grain Sorghum 0081 Soybeans 0011 Wheat 0021 Cotton **Commodity Code** 0067 Dry Peas 0015 Canola 0041 Corn 0091 Barley 0016 Oats 0043 Popcorn 0075 Peanuts 0094 Rye 0018 Rice 0047 Dry Beans 0078 Sunflowers 0805 Weaned Calves Field Field Field Field Record **Calculations** <u>Name</u> Number Number **Format** Rounding Rules Round to whole 999999999 Premium Liability Amount Internal Premium Liability Amount = Premium Total Guarantee Amount \* Insured Share Percent number. Insured Share Percent 43 9.9999 P11 None Round to whole Liability Amount P11 94 999999999 number. Liability Amount = Total Guarantee Amount \* Insured Share Percent 43 9.9999 None Insured Share Percent P11 The appropriate discount factor should be Section 2: Unit Discount Calculation looked up and applied. When commodities are setup in the unit discount table for lookups based solely on acres. When the Unit Structure Code is Optional Unit, "OU", "UA", "UD", Basic Unit, "BU", or Enterprise Unit, "EU": Revenue Lookup Adjustment 9.99999999 Internal None Factor

Capped at 1.0

BU, EU".

From below for Unit Structures "OU, UA, UD,

Unit Structure Discount Factor

When the Unit Structure Code is Whole Farm Unit "WU":

Unit Structure Discount Factor for Enterprise Unit "EU"

Revenue Lookup Adjustment Factor

Internal

9.99999999

None

Unit Structure Discount Factor

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

Reinsurance Year: 2024 Version: Draft

	Record Name Record Code		Version: Draft Release Date: 6/27/2024				
Insurance Plan Code	01 Yield Protection	02 Revenue Protection		tion with Harvest Price Exclusion  0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves			
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				
	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 the Unit Structure Code is Optional Unit, "OU", "UA", or "UD":	Unit Structure Discount Factor	Internal		9.99999999	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":	B : 11 11 B: 15 1	4544		2.222		
•	Basic Unit Discount Factor	Basic Unit Discount Factor	ADM		9.999	None	Edit with ADM Unit Discount, "A01090".
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 wer 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 Un Discount, "A01090". Unit is not eligible as an enterprise unit if summed planted acres are lest than 20 acres or 20% of insured crop acreage.

		=					
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  Calculations	0021 Cotton 0041 Corn 0043 Popcorn 0047 Dry Beans Field Name	Record Number	Field Number	0051 Grain Sorghum 0067 Dry Peas 0075 Peanuts 0078 Sunflowers Field Format	Field Rounding	0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves
When commodities are se	tup in the unit discount table for lookups based on acres <u>a</u>	nd coverage levels.					
	When the Unit Structure Code is Optional Unit, "OU", "UA", or "UD":	Revenue Lookup Adjustment Factor	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 <b>65%</b> 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" of Whole Farm Unit "WU":  Enterprise Unit Discount Factor for <b>65%</b> 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			Reinsurance Year: 2024  Version: Draft  Release Date: 6/27/2024					
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 Field	Record		0051 Grain Sorghum 0067 Dry Peas 0075 Peanuts 0078 Sunflowers Field	Field	0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves		
	Calculations	<u>Name</u>	Number	Number	<u>Format</u>	Rounding	<u>Rules</u>		
	When the Unit Structure Code is Optional Unit, "OU", "UA", or "UD":	Unit Structure Discount Factor	Internal		9.99999999	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	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 Number: P11-1, Plan 01, 02, 03

	Recor	Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11			Reinsurance Year: 2024 Version: Draft Release Date: 6/27/2024				
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protec	ction with Harvest Price Exclusion		
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice  Calculations	0021 Cotton 0041 Corn 0043 Popcorn 0047 Dry Beans Field Name	Record Number		0051 Grain Sorghum 0067 Dry Peas 0075 Peanuts 0078 Sunflowers Field Format	<u>Field</u> Rounding	0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves  Rules		
Unit Structure Discount Factor (continued)	,	'EU": 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 Reinsurance Year: 2024 Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Version: Draft Record Code: P11 Release Date: 6/27/2024 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 0051 Grain Sorghum 0011 Wheat 0021 Cotton 0081 Soybeans **Commodity Code** 0015 Canola 0041 Corn 0067 Dry Peas 0091 Barley 0016 Oats 0043 Popcorn 0075 Peanuts 0094 Rye 0018 Rice 0047 Dry Beans 0078 Sunflowers 0805 Weaned Calves Field Field Field Field Record **Calculations** Name Number Number **Format** Rounding Rules If Written Agreement is applicable make the Section 3: Base Premium Rate Calculation 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. For skip row commodities, the rate yield is the Current Year Yield Ratio = Rate Yield / Reference Amount Rate Yield P15 35 9999999.99 None 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 limitation code = '03', Insurance Option Code List contains Yield Cup (YC), and Commodity Code Dry Beans "0047" and Type Code equals Contract "62", or Commodity Code equals Dry Peas "0067" and Type Code equals Spring Contract "98": Prior Year Yield Ratio Internal 9999999.99 Round to 2 decimals. Approved Yield P11 42 9999999.99 None Round(Approved Yield \* Contract Price,0) / Prior Year 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 contains Yield Cup (YC) and the aforementioned commodities/types are not applicable: Prior Year Yield Ration 9.9999 Round to 2 decimals. Internal Cup at 0.50 and Cap at 1.50. For skip row commodities, the rate yield is the Prior Year Yield Ratio = Approved Yield / Prior Year Reference Amount Approved Yield P11 42 99999999.99 None 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 Number: P11-1, Plan 01, 02, 03

	Exhibit Number						
	Record Name: Record Code:	•			Version: Release Date:		
Insurance Plan Code	01 Yield Protection	02 Revenue Protection			neicuse succi		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 0094 Rye 0805 Weaned Calves
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>
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	9999999999999	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".
Current Year Rate	= Current Year Yield Ratio ^ Exponent Value	Current Year Rate Multiplier	Internal		9999.99999999	Round to 8 decimals.	
Multiplier	,	Exponent Value	ADM		\$99.999	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		99999999999999999	Round to 8 decimals.	
-	= Sub County Rate	Sub County Rate	ADM		99.9999	None	Edit with ADM Sub County Rate, "A01050".
: Current Year Base Rate	When Rate Method Code is Additive, "A":  Sub County Rate + (Current Year Rate Multiplier * Reference Rate + Fixed Rate)	Current Year Rate Multiplier	Internal		9999.9999999	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 rate	Fixed Rate	ADM		9.9999	None	Edit with ADM Base Rate, "A01010".

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	Exhibit Number Record Name Record Code	Reinsurance Year: 2024  Version: Draft  Release Date: 6/27/2024						
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 0094 Rye 0805 Weaned Calves	
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>	
	When Rate Method Code is Fixed, "F":	Prior Year Base Rate	Internal		999999999999999999999999999999999999999	Round to 8 decimals.		
	= Sub County Rate	Sub County Rate	ADM		99.9999	None	Edit with ADM Sub County Rate, "A01050".	
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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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 0094 Rye 0805 Weaned Calves
	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		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'.

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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 0094 Rye 0805 Weaned Calves
	Culations Field Name		Record Number	<u>Field</u> Number	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules
When previous year yield l	imitation code = '03' and Insurance Option Code List contain	ns Yield Cup (YC):					
	When Unit Structure Code is equal to Optional Unit,	Prior Year Base Premium Rate	Internal		99999999999999999	Round to 8 decimals.	
	"OU", "UA", "UD", or Basic Unit, "BU":	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 Rate =	When Unit Structure code is Enterprise Unit, "EU":  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 Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11					Reinsurance Year: 2024  Version: Draft  Release Date: 6/27/2024				
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 Field	Record	Field	0051 Grain Sorghum 0067 Dry Peas 0075 Peanuts 0078 Sunflowers	Field	0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves			
	<u>Calculations</u>	<u>Name</u>	Number	Number	Format	Rounding	Rules			
Otherwise:							<del></del>			
	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.				
	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	999999999999999999999999999999999999999	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.				

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

		Record Name: Acreage Record Code: P11	me: Acreage			Version: Draft Release Date: 6/27/2024		
Insurance Plan Code				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 0094 Rye 0805 Weaned Calves	
	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>	
Section 4: Optional Covera	ge (Additive "A" and Multiplicative "M")						If Option Rate Method Code equal "T' (Total Premium Rate Adjustment) see Section 9.	
		Additive Optional Rate Adjustment Factor	Internal		999999.9999	Round to 4 decimals.		
Additive Optional Rate	When Rate Method Code is Additive, "A":	Option Rate	ADM		99999.9999	None	Option Rate will be the Sum of all Option Rate with Rate Method Code equal to Additive, "A". Edit with ADM Option Rate, "A01060".	
Adjustment Factor	= ∑ 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 Rate2 * Option Rate3	Option Rate	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".	

Exhibit Name: Premium Calculation Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2024 Record Name: Acreage Version: Draft Record Code: P11 Release Date: 6/27/2024 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 0051 Grain Sorghum 0011 Wheat 0021 Cotton 0081 Soybeans **Commodity Code** 0067 Dry Peas 0015 Canola 0041 Corn 0091 Barley 0016 Oats 0043 Popcorn 0075 Peanuts 0094 Rye 0018 Rice 0047 Dry Beans 0078 Sunflowers 0805 Weaned Calves Field Field Field Field Record **Calculations** <u>Name</u> Number Number **Format** Rounding Rules 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 Section 5: Revenue Coverage Add on Rates (Applicable only for Plans 02 and 03) 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. 9999999999.9999 Lookup Rate Internal Round to 4 decimals. Lookup Rate = Revenue Lookup Rate \* Revenue Lookup Adjustment Factor Revenue Lookup Rate Internal 999999999.9999 Round to 4 decimals. From Section 3.

Internal

9.99999999

None

From Section 2.

Revenue Lookup Adjustment

Factor

		· ·			Reinsurance Year: 2024  Version: Draft  Release Date: 6/27/2024			
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protectio	n with Harvest Price Exclusion	
	0011 Wheat	0021 Cotton			0051 Grain Sorghum		0081 Soybeans	
Commodity Code	0015 Canola	0041 Corn			0067 Dry Peas		0091 Barley	
	0016 Oats	0043 Popcorn			0075 Peanuts		0094 Rye	
	0018 Rice	0047 Dry Beans			0078 Sunflowers	T	0805 Weaned Calves	
	Calculations	<u>Field</u> Name	Record Number	<u>Field</u> Number	<u>Field</u> Format	<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	999999999999	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)	
		Mean Quantity	ADM		999.99999999	None	applied.  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 Charderd			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.	
Deviation Quantity	= Approved Yield * Standard Deviation Quantity / 100						For skip row cotton, the approved yield is the converted approved yield from the P15 record with skip row (yield conversion factor) applied.	
							Edit with ADM Combo Revenue Factor, "A01030".	
		Standard Deviation Quantity	ADM		999.99999999	None	Search the Combo Revenue Factor "A01030" for the Standard Deviation Quantity using Lookup Rate.	

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

		Exhibit Number: 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 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 <u>Field</u>	Record	<u>Field</u>	0051 Grain Sorghum 0067 Dry Peas 0075 Peanuts 0078 Sunflowers Field		0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves
	<u>Calculations</u>	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	Rules
		log Mean Quantity (LnMean)	Internal		999999.99999999	Round to 8 decimals.	
LnMean	Ln(Projected Price or Contract Price) –	Projected Price	ADM		99999.9999		Edit with ADM Price, "A00810".
	(Price Volatility Factor) <sup>2</sup> /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 <sub>Sequence</sub>	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

Evhibit Number: P11 1 Plan 01 02 02

Reincurance Vear: 2024

	E	exhibit Number: P11-1, Plan 01, 02, 03  Record Name: Acreage  Record Code: P11	Record Name: Acreage			Reinsurance Year: 2024 Version: Draft Release Date: 6/27/2024				
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protect	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 0094 Rye 0805 Weaned Calves			
	<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 Protection Losses Quantity	500 $= \sum_{i=1}^{\infty} \text{Round}(\text{MAX}(0, \text{AY * covIvI - Round}(\text{MAX}(0, \text{Yieldi * i=1}), 12)), 12)$		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 <sub>i</sub> (Yield <sub>i</sub> )	ADM		S99.99999999	None				

Price (ProjPrice)

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as addressed in Section 1.

Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11 Release Date: 6/27/2024 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 0051 Grain Sorghum 0011 Wheat 0021 Cotton 0081 Soybeans **Commodity Code** 0015 Canola 0041 Corn 0067 Dry Peas 0091 Barley 0016 Oats 0043 Popcorn 0075 Peanuts 0094 Rye 0018 Rice 0047 Dry Beans 0078 Sunflowers 0805 Weaned Calves Field Field Field Field Record **Calculations** <u>Name</u> Number Number **Format** Rounding Rules Simulated Revenue Protection Round to 12 Internal 99999999999999999 Losses Quantity(SimRPLosses) decimals. 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. 500 Approved Yield (AY) P11 42 9999999.99 None ∑ Round(MAX(0, AY \* covlvl \* Round(MAX(ProjPrice, For skip row commodities, the approved yield is Round(MIN(2 \* ProjPrice, Round(e(Price i \* Price Volatility the converted approved yield from the P15 Simulated Revenue Factor + LnMean),12)),12)),12) record with skip row (yield conversion factor) Protection Losses = applied. (Round(MAX(0, Yieldi \* AdjStdDev + AdjMean),12) Quantity For Option Code "TA" (Trend Adjustment), "YC" Round(MIN(2 \* ProjPrice, Round(e<sup>(Price</sup>i\* Price (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Volatility Factor + LnMean),12)), 12))),12) Coverage Level Percent Exclusion) this will be Effective Coverage Level P14 9.9999 34 None (covlvl) 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 599.999999999 None Projected Priced or Contract Edit with ADM Price, "A00810". Contract Price ADM 99999.9999 None

	Exhibi Reco	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	02 Revenue Protection	02 Revenue Protection			03 Revenue Protect	cion with Harvest Price Exclusion	
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn 0047 Dry Beans <u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	0051 Grain Sorghum 0067 Dry Peas 0075 Peanuts 0078 Sunflowers Field Format	<u>Field</u> Rounding	0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves	
		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	= Yield <sub>i</sub> * = Yield <sub>i</sub> * = 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 in 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 Coverage Level Percent. See Section 16 for Option Code "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 Number: P11-1, Plan 01, 02, 03

Record Name: Acreage

Reinsurance Year: 2024 Version: Draft

	Record Name: Record Code:	•				ersion: Draft e Date: 6/27/2024		
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 0094 Rye 0805 Weaned Calves		
	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.	
Simulated Revenue Protection with Harvest Price Exclusion Base Premium Rate	(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	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 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 Record Name: Acreage Record Code: P11						
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	0041 Corn         0067 Dry Peas           0043 Popcorn         0075 Peanuts			0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves		
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>	
		apping (Applicable only for Plans 02 and 03) vill not apply if record has a Written Agreement.			Level Base Premium Ra applicable. Then it is use Revenue Add On Rates table is set up such that the Commodity Year. Expremium calculation or capping over time.  If there is NOT a correst ADM, "A01110", then the Furthermore, since cover Revenue Assurance (RA performed for those cothis will be based on the statement.	ation the 2010 Revenue Assurance Optional Unit te for coverage level percents 65 thru 85 where sed in conjunction with the Base Premium Rate and to compute capped Revenue Add On Rates. This it the only value that will change from year to year is by doing this we are fixing a point where the method was changed and applying an exponential conding row in the Historical Revenue Capping this calculation does not need to be performed. The percents 50, 55, 60 did not exist for conditionally capping does not need to be verage level percents as well. If TA is applicable then the TA Effective Coverage Level Percent. See next applicant is selected, this section does not apply when Level is less than 65%.		
		Capping Yield Ratio	Internal		9.99	Round to 2 decimals.	Cup at 0.50 and Cap at 1.50.	
Capping Yield Ratio	= Rate Yield / Capping Reference Yield	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.	
		Capping Reference Yield	ADM		99999.99	None	Edit with ADM Historical Revenue Capping, "A01110".	

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

	Exhibit Number: Record Name: Record Code:	•			Reinsurance Yea Versior Release Date	: Draft			
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 0094 Rye 0805 Weaned Calves		
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	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.		
			ADM		99999.99	None	Edit with ADM Historical Revenue Capping, "A01110".		
Canadia a Bata Madiadia		Capping Rate Multiplier	Internal		999999.9999999	Round to 8 decimals.			
Capping Rate Multiplier	= Capping Yield Ratio <sup>A</sup> Capping Exponent Value	Capping Exponent Value	ADM		S99.999	None	Edit with ADM Historical Revenue Capping, "A01110".		
Prior Capping Rate	- Prior Capping Viold Patio Aprior Capping Evaponet Value	Prior Capping Rate Multiplier	Internal		999999.9999999	Round to 8 decimals.			
Multiplier	= Prior Capping Yield 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":								
	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".		

Evhibit Number: P11 1 Plan 01 02 02

Reincurance Vear: 2024

Insurance Plan Code	Exhibit Number Record Name Record Code  01 Yield Protection	Reinsurance Year: 2024 Version: Draft Release Date: 6/27/2024  03 Revenue Protection with Harvest Price Exclusion						
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton       0051 Grain Sorghum         0041 Corn       0067 Dry Peas         0043 Popcorn       0075 Peanuts         0047 Dry Beans       0078 Sunflowers				0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves		
	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>	
	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		999999.9999999	Round to 8 decimals.		

	Exhibit Number: Record Name: Record Code:		Reinsurance Year: 2024  Version: Draft  Release Date: 6/27/2024					
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 Field	Field	0051 Grain Sorghum 0067 Dry Peas 0075 Peanuts 0078 Sunflowers	Field	0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves		
	Calculations	Name	Record Number	Number	Format	Rounding	<u>Rules</u>	
	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).	
[be Be His Lev Be Be Be Be Be	[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 +	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 9 Factor * Historical Basic Unit Base Rate * Coverage Level Percent + Beta 10 Factor * Historical Basic Unit Base Rate * Approved Yield	Beta O Factor - Beta 14 Factor	ADM		S99.99999999	None	Edit with ADM Historical Revenue Capping, "A01110".	
Protection Base Premium Rate	/ Capping Reference Yield + Beta 11 Factor * Historical Basic Unit Base Rate * Price Volatility	Price Volatility Factor	ADM		9.99	None	Edit with ADM Price, "A00810".	
	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 Number: P11-1, Plan 01, 02, 03

	Record Name: Acreage Record Code: P11				Version: Draft Release Date: 6/27/2024					
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 0094 Rye 0805 Weaned Calves			
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>			
	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).			
Beta 1 F Historica = Level Pe Beta 4 F Beta 5 F Beta 6 F Beta 7 F Beta 7 F Beta 8 F Beta 8 F Beta 9 F Beta 9 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 + Beta 9 Factor * Historical Basic Unit Base Rate * Coverage Level Percent +	Historical Revenue Protection with Harvest Price Exclusion Base Premium Rate	Internal		999999999999999999999999999999999999999	Round each intermittent Beta * calculation to 8 decimals as it has been done historically.				
Premium Rate	Beta 10 Factor * Historical Basic Unit Base Rate * Approved Yield / Capping Reference Yield + Beta 11 Factor * Historical Basic Unit Base Rate * Price Volatility	Beta 0 Factor - Beta 14 Factor	ADM		S99.99999999	None	Edit with ADM Historical Revenue Capping, "A01110".			
	Factor + Beta 12 Factor * Coverage Level Percent * Approved Yield /	Price Volatility Factor	ADM		9.99	None	Edit with ADM Price, "A00810".			
	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 Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11				Reinsurance Year: 2024  Version: Draft  Release Date: 6/27/2024					
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 Field	Record	Field	0051 Grain Sorghum 0067 Dry Peas 0075 Peanuts 0078 Sunflowers	Field	0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves		
	Calculations	<u>Name</u>	Number	Number	Format	Rounding	Rules		
Capped Revenue Protection Add on Rate	MIN(Base Premium Rate + Preliminary Revenue Protection  Add On Rate, Historical Revenue Protection Base Premium  Rate * 1.2^(Commodity Year - Capping Year)) - Base  Premium Rate	Capped Revenue Protection Add on Rate	Internal		999999999999999999999	Round to 8 decimals.	Use the Preliminary Add On Rates for Insurance Plan Code Revenue Protection, "02" or Revenue Protection with Harvest Price Exclusion, "03" from section 5, the Base Premium Rate from section 3 to calculate the Capped Revenue add on factors.		
		Base Premium Rate	P11	97	999999.9999999	None			
		Commodity Year	P14	10	CCYY	None			
		Capping Year	ADM		ССҮҮ	None	Edit with ADM Historical Revenue Capping, "A01110".		
Price Exclusion Add on	= Revenue Protection with Harvest Price Exclusion Base  Premium Rate * 1.24(Commodity Year - Capping Year)) -	Capped Revenue Protection with Harvest Price Exclusion Add on Rate	Internal		999999999999999999999999999999999999999	Round to 8 decimal.	Use the Preliminary Add On Rates for Insurance Plan Code Revenue Protection, "02" or Revenue Protection with Harvest Price Exclusion, "03" from section 5, the Base Premium Rate from section 3 to calculate the Capped Revenue add on factors.		
Rate		Base Premium Rate	P11	97	999999.9999999	None			
		Commodity Year	P14	10	CCYY	None			
		Capping Year	ADM		ССҮҮ	None	Edit with ADM Historical Revenue Capping, "A01110".		

Premium Calculation

			•					
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 0094 Rye 0805 Weaned Calves
	<u>Calculations</u>		<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>
Section 7: Whole Farm Uni	t 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		999999999.9999	Round to 4 decimals.	
Lookup Rate	= Revenue Lookup Rate * Revenue Loo	okup Adjustment Factor	Revenue Lookup Rate	Internal		9999999999.9999	Round to 4 decimals.	From Section 3.
			Revenue Lookup Adjustment Factor	Internal		9.9999999	None	From Section 2.
Mean Quantity <sub>commodity)</sub>	Mean Quantity <sub>commodityj</sub> WHERE Lookup Rate <sub>commodityj</sub> = pace Rate		Mean Quantity <sub>commodityj</sub>	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
	<i>"</i>		Lookup Rate commodityj	Internal		9.9999	None	
			Base Rate <sub>commodityj</sub>	ADM		9.9999	None	Edit with ADM Combo Revenue Factor, "A01030".

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

Record Name: Acreage Record Code: P11 Reinsurance Year: 2024
Version: Draft
Release Date: 6/27/2024

03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 0051 Grain Sorghum 0081 Soybeans 0011 Wheat 0021 Cotton **Commodity Code** 0067 Dry Peas 0015 Canola 0041 Corn 0091 Barley 0016 Oats 0043 Popcorn 0075 Peanuts 0094 Rye 0047 Dry Beans 0805 Weaned Calves 0018 Rice 0078 Sunflowers

<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
Standard Deviation   Standard Deviation Quantity commodity WHERE Lookup Rate   Quantity commodity = Base Rate commodity	Standard Deviation Quantity commodityj	ADM		999.99999999	None	Edit with ADM Combo Revenue Factor, "A01030".  Search the Combo Revenue Factor, "A01030" for the Standard Deviation 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".
	Adjusted Mean Quantity	Internal		999999.99999999	Round to 8 decimals.	
Adjusted Mean Quantity = Approved Yield commodity; * Mean Quantity commodity; / 100	Approved Yield <sub>commodityj</sub>	P11	42	99999999999	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.

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

	Exhibit Number									
	Record Names	: Acreage	Version: Draft							
	Record Code: P11					Release Date: 6/27/2024				
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protectio	n with Harvest Price Exclusion			
	0011 Wheat	0021 Cotton			0051 Grain Sorghum		0081 Soybeans			
Commodity Code	0015 Canola	0041 Corn			0067 Dry Peas		0091 Barley			
	0016 Oats	0043 Popcorn			0075 Peanuts		0094 Rye			
	0018 Rice	0047 Dry Beans			0078 Sunflowers		0805 Weaned Calves			
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>			
		Adjusted Standard Deviation Quantity commodityj	Internal		9999999999999999	Round to 8 decimals.				
Adjusted Standard Deviation Quantity commodityj	= Approved Yield <sub>commodityj</sub> * = Standard Deviation Quantity <sub>commodityj</sub> / 100	Approved Yield commodityj	P11	42	9999999.99	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.			
Commonly		Approved field commodity)					For skip row commodities, the approved yield is the converted approved yield from the P15 record with skip row (yield conversion factor) applied.			
	In(Projected Price or Contract Price <sub>commodityj</sub> ) – (Price  Volatility Factor <sub>commodityj</sub> ) <sup>2</sup> / 2	log Mean <sub>commodityj</sub> (LnMean)	Internal		999999.99999999	Round to 8 decimals.				
LnMean <sub>commodityj</sub>		Projected Price or Contract Price <sub>commodityj</sub>	ADM		99999.9999		Edit with ADM Price, "A00810". Contract Price as addressed in Section 1.			
		Price Volatility Factor <sub>commodityj</sub>	ADM		9.99	None	Edit with ADM Price, "A00810".			
Yield Draw Quantity commodityj Sequence Number	= Yield Draw Quantity <sub>commodity</sub>	Yield Draw Quantity	ADM		\$99.99999999	None	ADM Insurance Offer, "A00030", and Beta, "A01020", should be used to obtain the applicable draws. There should be 500 Draws (or sequence numbers) per Beta Id in the ADM Beta, "A01020" for every distinct Beta Id in the ADM Insurance Offer, "A00030".			
Price Draw Quantity commodity Sequence Number	= Price Draw Quantity <sub>commodity</sub>	Price Draw Quantity	ADM		\$99.99999999	None	ADM Insurance Offer, "A00030", and Beta, "A01020", should be used to obtain the applicable draws. There should be 500 Draws (or sequence numbers) per Beta Id in the ADM Beta, "A01020" for every distinct Beta Id in the ADM Insurance Offer, "A00030".			

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

	Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11					Reinsurance Year: 2024  Version: Draft  Release Date: 6/27/2024				
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  Calculations	0021 Cotton 0041 Corn 0043 Popcorn 0047 Dry Beans Field Name	Record Number	<u>Field</u> Number	0051 Grain Sorghum 0067 Dry Peas 0075 Peanuts 0078 Sunflowers Field Format	<u>Field</u> Rounding	0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves			
		Simulated Revenue Protection Losses Whole Farm (SimRPLossesWF)	Internal		999999999999999999999999999999999999999		Simulated Revenue Protection Losses for All Commodity/Acreage report line in the Whole Farm Unit.			
		Coverage Level Percent <sub>commodityj</sub> (covlvI)	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" (Tren Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion).			
Simulated Revenue Protection Losses Whole = Farm	Soo all Commodities  ∑ Round(MAX(0,∑ AY <sub>commodityj</sub> *  i=1	Approved Yield <sub>commodityj</sub> (AY)	P11	42	99999999.99	None	Approved Yield for each Commodity/Acreage repor 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.			
		Reported Acreage <sub>commodityj</sub> (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 <sub>commodityj</sub> (ProjPrice)	ADM		99999.9999	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 <sub>commodity</sub> i (Price)	ADM		\$99.99999999	None	Price Draw Quantity for each Commodity /Acreage report line in the Whole Farm Unit.			

	Exhibit Numbe Record Name	Exhibit Number: P11-1, Plan 01, 02, 03  Record Name: Acreage  Record Code: P11			Reinsurance Year: 2024  Version: Draft  Release Date: 6/27/2024					
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  Calculations	0021 Cotton 0041 Corn 0043 Popcorn 0047 Dry Beans    Field   Record   Field     Name   Number   Number			0051 Grain Sorghum 0067 Dry Peas 0075 Peanuts 0078 Sunflowers Field Format	<u>Field</u> Rounding	0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves			
		Price Volatility Factor <sub>commodityj</sub>	Internal		999999.99999999	None	Price Volatility Factor for each Commodity/Acreage report line in the Whole Farm Unit.			
		log Mean <sub>commodityj</sub> (LnMean)	Internal		999999.9999999	None	Log Mean for each Commodity/Acreage report line in the Whole Farm Unit.			
		Yield Draw Quantity <sub>commodityj</sub> i (Yield)	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)	SRound(MAX(0,∑ Ay <sub>commodityj</sub> *  j=  Acres <sub>commodityj</sub> * covIvI <sub>commodityj</sub> *  Round(MAX(ProjPrice <sub>commodityj</sub> , Round(MIN(2 *  ProjPrice <sub>commodityj</sub> , Round(e <sup>(Pricecommodity) *</sup> projPrice <sub>commodityj</sub> , Round(e <sup>(Pricecommodity) *</sup> all Commodities  SRound(MAX(0,Round(Yield <sub>commodityj</sub> )  j=  AdjStdDev <sub>commodityj</sub> + AdjMean <sub>commodityj</sub> , 12)),12) *  Round(MIN(2 * ProjPrice <sub>commodityj</sub> , Round(e <sup>(Pricecommodity)</sup> )  * Price Volatility Factorcommodityj + LnMeancommodityj), 12)),12) *  Round(Acres <sub>commodityj</sub> ,12)), 12)	Commonly (Vojski)	Internal		9999999999999999999999999999	None	Adjusted Standard Deviation Quantity for each Commodity/Acreage report line in the Whole Farm Unit.			
		Adjusted Mean Quantity <sub>commodityj</sub> (AdjMean)	Internal		999999.999999999	None	Adjusted Mean Quantity for each Commodity/Acreage report line in the Whole Farm Unit.			

		chibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11					
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 Field Name	Record Number	<u>Field</u> Number	0051 Grain Sorghum 0067 Dry Peas 0075 Peanuts 0078 Sunflowers Field Format	<u>Field</u> Rounding	0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves
	Calculations	Simulated Revenue Protection Harvest Price Excluded Losses Whole Farm (SimRPhpeLossesWF)	Internal	Number	999999999999999999999999999999999999999	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 <sub>commodityj</sub> (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).
$\sum_{i=1}^{} \textbf{Round(MAX (0, \sum covIvI}_{cot})} AY_{commodityj} * ProjPrice_{commod} * Acres_{commodityj} - all commodities$ $\sum_{\text{Excluded Losses Whole Farm}} BROUND(MAX(0, \textbf{Round(Yied)}) - all commodities$ $\sum_{\text{Found(MAX(0, \textbf{Round(Yied)})}} AdjStdDev_{commodityj} + AdjMedev_{commodityj} + AdjMedv_{commodityj} + AdjMedv_{commodityj} + AdjMedv_{commodityj} + AdjMedv_{commodityj} + AdjM$	$ \sum_{i=1}^{} \textbf{Round(MAX (0, \sum_{commodityj}^{} * \prod_{j=1}^{} \text{AY}_{commodityj}^{} * ProjPrice_{commodityj}^{} $ $ * Acres_{commodityj}^{} - \text{all commodities}^{} $	Approved Yield <sub>commodityj</sub> (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.
	j= AdjStdDev <sub>commodityj</sub> + AdjMean <sub>commodityj</sub> ,12)), Round(MIN(2 * ProjPrice <sub>commodityj</sub> , Round( * Price Volatility Factorcommodityj + LnMeancommodityj),12	e <sup>(Pricecommodityji</sup> Reported Acreage <sub>commodityj</sub> (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(Acres <sub>commodityj,12</sub> )), 12)	Projected Price or Contract Price <sub>commodityj</sub> (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 <sub>commodityj</sub> i (Yield)	ADM		\$99.99999999	None	Yield Draw Quantity 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: 2024 Version: Draft Release Date: 6/27/2024

Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection with Harvest Price Exclusion		
	0011 Wheat	0021 Cotton			0051 Grain Sorghum		0081 Soybeans	
Commodity Code	0015 Canola	0041 Corn			0067 Dry Peas		0091 Barley	
	0016 Oats	0043 Popcorn			0075 Peanuts		0094 Rye	
	0018 Rice	0047 Dry Beans			0078 Sunflowers		0805 Weaned Calves	
		<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>		
	- 1 · 1 · 1					l <u> </u>		

	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>
		Adjusted Standard Deviation Quantity <sub>commodityj</sub> (AdjStnDev)	Internal		999999999999999999999999999999999999999	None	Adjusted Standard Deviation Quantity for each Commodity/Acreage report line in the Whole Farm Unit.
		Adjusted Mean Quantity <sub>commodityj</sub> (AdjMean)	Internal		999999.999999999	None	Adjusted Mean Quantity for each Commodity/Acreage report line in the Whole Farm Unit.
		Price Draw Quanity <sub>commodityj</sub> i (Price)	ADM		S99.99999999	None	Price Draw Quantity for each Commodity/Acreage report line in the Whole Farm Unit.
Simulated Revenue Protection Harvest Price Excluded Losses Whole Farm (continued)	all commodities	Price Volatility Factor <sub>commodityj</sub>	Internal		999999.9999999	None	Price Volatility Factor for each Commodity/Acreage report line in the Whole Farm Unit.
		log Mean <sub>commodityj</sub> (LnMean)	Internal		999999.9999999	None	Log Mean 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: 2024  Version: Draft  Release Date: 6/27/2024			
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 0094 Rye 0805 Weaned Calves		
	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	
	<u>SimRPLossesWF</u> 500	Coverage Level Percent <sub>commodityj</sub> (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 = \( \sum_{\commodityj} * AY_{\commodityj} * ProjPrice_{\commodityj} * \) i = \( \text{i} = \text{.}	Revenue Protection Whole Farm Rate	Internal		999999999999999999999999999999999999999	Round to 8 decimals.		
	Acres <sub>commodityj</sub> )	Projected Price or Contract Price <sub>commodityj</sub> (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

Reinsurance Year: 2024

	Record Name Record Code	•				Version: Draft Release Date: 6/27/2024		
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 0094 Rye 0805 Weaned Calves			
	Calculations	Field Name	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>	
	<u>SimRPhpeLossesWF</u> 500	Coverage Level Percent <sub>commodityj</sub> (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), "QL" (Quality Loss), and "YE" (Yield Exclusion).	
Revenue Protection with Harvest Price Exclusion = Whole Farm Rate	all commodities = \( \sum_{\text{(cov}   \text{V}   \text{ * ProiPrice}} \) * * * * * * * * * * * * * * * * * *	Revenue Protection with Harvest Price Exclusion Whole Farm Rate	Internal		9999999999999999	Round to 8 decimals.		
		Projected Price or Contract Price <sub>commodityj</sub> (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 "03":	equals Revenue Protection with Harvest Price Exclusion,							
Whole Farm Base = Premium Rate	Revenue Protection with Harvest Price Exclusion Whole Farm Rate	Whole Farm Base Premium Rate	Internal		999999999999999999999999999999999999999	None		

	Exhibit Name: Premium Calculation Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11					Reinsurance Year: 2024 Version: Draft Release Date: 6/27/2024				
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 0094 Rye 0805 Weaned Calves			
	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.			
<b>When Unit Structure Code</b> Premium Rate	e equals Whole Farm Unit, "WU":  MIN(.999, Round(Whole Farm Base Premium Rate * Sum ((Reported Acreage * Multiplicative Optional Rate Adjustment Factor) / Sum(Total Reported Acreage) for Whole Farm including Prevented Planting) + Sum ((Reported Acreage * Additive Optional Rate Adjustment Factor) / Sum(Total Reported Acreage) for	Premium Rate	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 computation of the Premium Rate for Whole Farm Unit.			
	Whole Farm including Prevented Planting), 8))	Total Reported Acreage	Internal		99999999.99	None	Total Reported Acreage for the Whole Farm including Prevented Planting.			

	Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11			Reinsurance Year: 2024  Version: Draft  Release Date: 6/27/2024					
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  Calculations		0021 Cotton 0041 Corn 0043 Popcorn 0047 Dry Beans Field Name	Record Number		0051 Grain Sorghum 0067 Dry Peas 0075 Peanuts 0078 Sunflowers Field Format	<u>Field</u> <u>Rounding</u>	0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves	
When Unit Structure Code  Premium Rate	MIN(.999, Base Premium Rate * Unit Str Factor * Multiplicative Optional Rate Ad Additive Optional Rate Factor + Capped Factor)	ructure Discount ljustment Factor+	Premium Rate	Internal		99999999999999999	Round to 8 decimals.	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 Protection Add On Rate when Insurance Plan Code equals 02 or Capped Revenue Protection with Harvest Price Exclusion Add On Rate 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 On Rate when Insurance Plan Code equals 02 or Preliminary Revenue Protection with Harvest Price Exclusion Add On Rate when Insurance Plan Code equals 03.	

	Exhibit Number Record Name Record Code	•				ar: 2024 n: Draft e: 6/27/2024	
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 0094 Rye 0805 Weaned Calves
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>
Section 9: Total Premium	Amount, Subsidy Amount, and Producer Premium Amount						
		Preliminary Total Premium	Internal		999999999	Round to whole number.	
			P11	47	9.999	None	Experience Factor is only applicable for Insurance Plan Code Yield Protection, "01".
Preliminary Total Premium	= Factor * Premium Surcharge Percent * Lotal Premium	Premium Surcharge Percent	Internal				Use when the Approved Yield Had a Cup or Surcharge applied.  Does not apply when option "YC" is elected. Se 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.	

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

Reinsurance Year: 2024 Version: Draft

Record Name: Acreage Record Code: P11 Release Date: 6/27/2024 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 0051 Grain Sorghum 0011 Wheat 0021 Cotton 0081 Soybeans **Commodity Code** 0067 Dry Peas 0015 Canola 0041 Corn 0091 Barley 0016 Oats 0043 Popcorn 0075 Peanuts 0094 Rye 0805 Weaned Calves 0018 Rice 0047 Dry Beans 0078 Sunflowers Field Record Field Field Field **Calculations** <u>Name</u> Number Number **Format** Rounding Rules Information (Approved Yield, Reported Acreage, Insured Share Percent) will be obtained from Cotton P11 record and Rate Yield Cottonseed Endorsement Option 'SE' from P15 record associated with the Cottonseed record. CAT does not apply to Plan 01 Cottonseed. Unit Structure Code 'WU' does not apply to Cottonseed. Section 10: Liability Calculation Round to whole

	Modified Yield	Internal		99999999.99	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 record 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		99999999.99	Round to whole number.	
	Coverage Level Percent	P14	34	9.9999	None	
When Guarantee Adjustment Type Code equals Late Planting, "L" OR Prevented Planting, "P":	Guarantee Per Acre Amount	Internal		999999999.99	Round to whole number.	
Guarantee Per Acre						
Amount Premium Guarantee Per Acre Amount * Guarantee Adjustment Factor	Guarantee Adjustment Factor	P11	69	0.999	None	Edit with the Guarantee Adjustment ICE, "D00068" or ADM Guarantee Adjustment, "A01220" for Prevented Planting.
Price Election 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 Percent for Cotton Lint.
Finde Election Amount - Projected Finde Election Fetcent	Projected Price	ADM		99999.9999		
	Price Election Percent	ICE		9.9999	None	Will always be 1.000 for Cottonseed.

Insured Share Percent

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

Liability Amount = Total Guarantee Amount \* Insured Share Percent

Reinsurance Year: 2024

number.

From Cotton P11 record.

None

9.9999

	Record Name: Record Code:		Version: Draft Release Date: 6/27/2024							
Insurance Plan Code	01 Yield Protection	tection 02 Revenue Protection			03 Revenue Protection with Harvest Price Exclusion					
Commondity, Code	0011 Wheat 0021 Cotton				0051 Grain Sorghum		0081 Soybeans			
Commodity Code	0015 Canola	0041 Corn			0067 Dry Peas		0091 Barley			
	0016 Oats	0043 Popcorn			0075 Peanuts		0094 Rye			
	D18 Rice 0047 Dry Beans				0078 Sunflowers		0805 Weaned Calves			
		<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>				
	Calculations	Name Num		<u>Number</u>	<u>Format</u>	Rounding	<u>Rules</u>			
Premium Total Guarantee	Premium Guarantee Per Acre Amount * Price Election Amount * Reported Acreage	Premium Total Guarantee Amount	Internal		9999999.99	Round to 2 decimals.				
		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 Liability Amount =	Premium Total Guarantee Amount * Insured Share Percent	Premium Liability Amount	Internal		999999999	Round to whole number.				
		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				

P11

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Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2024 Record Name: Acreage Version: Draft Record Code: P11 Release Date: 6/27/2024 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 0051 Grain Sorghum 0011 Wheat 0021 Cotton 0081 Soybeans **Commodity Code** 0067 Dry Peas 0015 Canola 0041 Corn 0091 Barley 0016 Oats 0043 Popcorn 0075 Peanuts 0094 Rye 0018 Rice 0047 Dry Beans 0078 Sunflowers 0805 Weaned Calves Field Field Field Field Record **Calculations** <u>Name</u> Number Number **Format** Rounding Rules Section 11: Premium Rate 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 Premium Rate Internal 9999999999999999 Round to 8 decimals. Effective Coverage Level exceeds the MAX ADM MIN(.999, Base Premium Rate \* Unit Structure Discount coverage level. Premium Rate = Factor \* Multiplicative Optional Rate Adjustment Factor+ 3) Find the Unit Structure Discount Factor to be Additive Optional Rate Factor) 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 5) Sections 5, 6, 7 are not applicable for Cottonseed records. Multiplicative Optional Rate Internal 999999.9999 Adjustment Factor Additive Optional Rate Internal 999999.9999 Adjustment Factor

	Record Na	Imber: P11-1, Plan 01, 02, 03 Name: Acreage Code: P11				ar: 2024 on: Draft te: 6/27/2024	
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protect	cion with Harvest Price Exclusion
	0011 Wheat	0021 Cotton			0051 Grain Sorghum		0081 Soybeans
Commodity Code	0015 Canola	0041 Corn			0067 Dry Peas		0091 Barley
	0016 Oats	0043 Popcorn			0075 Peanuts		0094 Rye
	0018 Rice	0047 Dry Beans	T		0078 Sunflowers		0805 Weaned Calves
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	Rules
ection 12: Total Premiun	m Amount, Subsidy Amount, and Producer Premium Amo	unt					
		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. S to 1.00.
Total Premium 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	Subsidy Amount = Total Premium Amount * Subsidy Percent		P11	93	999999999	Round to whole number.	If this record qualifies for Beginning Farmer ar Rancher or Native Sod, see Section 18 for subsidy calculations.
		Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070".
Producer Premium			P11	94	999999999	Round to whole	

Exhibit Name: Premium Calculation Reinsurance Year: 2024 Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Version: Draft Record Code: P11 Release Date: 6/27/2024 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 0051 Grain Sorghum 0011 Wheat 0021 Cotton 0081 Soybeans **Commodity Code** 0015 Canola 0041 Corn 0067 Dry Peas 0091 Barley 0016 Oats 0043 Popcorn 0075 Peanuts 0094 Rye 0018 Rice 0047 Dry Beans 0078 Sunflowers 0805 Weaned Calves Field Field Field Field Record **Calculations** Name Number Number **Format** Rounding Rules Trend Adjustment Option (TA), Yield Cup Option (YC), Quality Loss Option (QL), and Yield APH Yield Trend (Trend Adjustment Option 'TA'), Yield Cup (Option 'YC'), Quality Loss (Option 'QL'), and Yield Exclusion (Option 'YE') Exclusion Option (YE) ONLY available in select counties for selected crops. See "white papers" for examples. Section 13: Effective Coverage Level Calculation When Commodity Code equals Dry Beans "0047" and Type Code equals Contract "62", or Commodity Code equals Dry Peas "0067" and Type Code equals Spring Contract "98": Effective Coverage Level Internal 99.9999 Round to 2 decimals. Percent 34 Coverage Level Percent P14 9.9999 None For APH Trend, Yield Cup, Quality Loss, and Effective Coverage Level \_ Coverage Level Percent \* Round(Approved Yield \* Contract Yield Exclusion, the Approved Yield will be the Percent Price,0) / Adjusted Yield P11 42 9999999.99 None Approved Yield greater of the calculated Approved Yield and the Adjusted Yield. Contract Price P11 9999.9999 None 46 Adjusted Yield P15 44 9999999.99 None For all others: Effective Coverage Level Rounded to 2 decimal Internal 99.9999 places. Percent 34 9.9999 Coverage Level Percent P14 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. **Effective Coverage Level** P11 42 Approved Yield 9999999.99 None = Coverage Level Percent \* Approved Yield/Adjusted Yield For skip row commodities, the approved yield is the converted approved yield from the P15 record with skip row (yield conversion factor) For skip row commodities, the adjusted yield is the converted adjusted yield from the P15 Adjusted Yield P15 44 9999999.99 None record with skip row (yield conversion factor) applied.

Exhibit Name: Premium Calculation Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2024 Record Name: Acreage Version: Draft Record Code: P11 Release Date: 6/27/2024 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 0051 Grain Sorghum 0011 Wheat 0021 Cotton 0081 Soybeans **Commodity Code** 0015 Canola 0041 Corn 0067 Dry Peas 0091 Barley 0016 Oats 0043 Popcorn 0075 Peanuts 0094 Rye 0018 Rice 0047 Dry Beans 0078 Sunflowers 0805 Weaned Calves Field Field Field Field Record **Calculations** Name Number Number **Format** Rounding Rules When Trend Adjustment Option (TA) was chosen and yield reflects a trend or when Yield Section 14: Rate Differential Factor 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 Rate Differential Factor = Rate Differential Factor + (Upper Bound Rate Differential Edit with ADM Coverage Level Differential, "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 Differential ADM 9.99999999 None If the Effective Coverage Level falls between Factor existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.

	Exhibit Number Record Name Record Code	Reinsurance Year: 2024  Version: Draft  Release Date: 6/27/2024					
Insurance Plan Code	01 Yield Protection	02 Revenue Protection			03 Revenue Protect	tection 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 0094 Rye 0805 Weaned Calves
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>
	(1+ (ROUND (MIN ( ( ( MAX (0.85,Effective Coverage Level Percent) -0.85) / 0.15) ,1) <sup>3</sup> ,7)) * 0.05) * (Round(Base	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.
	Factor - Lower Bound Rate Differential Factor) * (Effective	Effective Coverage Level Percent	Internal		99.9999	None	
	Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 9))	Floored Effective Coverage Level Percent	Internal		99.9999	None	Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040".  If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be the Effective Coverage Level Percent.  If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level.  If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level Level.

	Exhibit Number Record Name Record Code	S .				Draft		
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       0051 Grain Sorghum         0041 Corn       0067 Dry Peas         0043 Popcorn       0075 Peanuts         0047 Dry Beans       0078 Sunflowers					0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves	
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>	
		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		9.99999999	None	Base Prior Year Rate Differential Factor is equal to Prior Year Rate Differential for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040".	
Prior Year Rate Differential Factor	Bound Prior Year Rate Differential Factor - Lower Bound	Upper Bound Prior Year Rate Differential Factor	ADM		9.99999999	None	Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040".  If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level.  If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level.  If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.	

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

Reinsurance Year: 2024

	Exhibit Number Record Name Record Code	9			Reinsurance Yea Versio Release Dat		
Insurance Plan Code	01 Yield Protection	02 Revenue Protection			03 Revenue Protection with Harvest Price Exclusion		
Commodity Code	0016 Oats         0043 Popcorn           0018 Rice         0047 Dry Beans		0051 Grain Sorghum 0067 Dry Peas 0075 Peanuts 0078 Sunflowers  Record Field Field			<u>Field</u>	0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves
	Calculations	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	<u>Rules</u>
	Round(Base Prior Year Rate Differential Factor + (Upper	Lower Bound Prior Year Rate Differential Factor	ADM		9.999999999	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.
	Bound Prior Year Rate Differential Factor - Lower Bound = Prior Year Rate Differential Factor) * (Effective Coverage	Effective Coverage Level Percent	Internal		99.9999	None	
Differential Factor = Prior Year Rate Differential Factor) * (Effective Cov (continued) Level Percent - Floored Effective Coverage Level Pe 20, 9)		Floored Effective Coverage Level Percent	Internal		99.9999	None	Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040".  If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be the Effective Coverage Level Percent. If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level Level.

Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2024 Record Name: Acreage Version: Draft Record Code: P11 Release Date: 6/27/2024 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 0051 Grain Sorghum 0011 Wheat 0021 Cotton 0081 Soybeans **Commodity Code** 0067 Dry Peas 0015 Canola 0041 Corn 0091 Barley 0016 Oats 0043 Popcorn 0075 Peanuts 0094 Rye 0018 Rice 0047 Dry Beans 0078 Sunflowers 0805 Weaned Calves Field Field Field Field Record Calculations Name Number Number **Format** Rounding Rules When Trend Adjustment Option "TA" is elected alone (excludes "YC" and "YE") Round to 9 decimal Rate Differential Factor Internal 9.99999999 places. Base Rate Differential Factor is equal to Rate Differential for Minimum of 1) Maximum available Coverage Level or; 2) available Base Rate Differential Factor ADM 9.99999999 None Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040". Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. Upper Bound Rate Differential ADM 9.99999999 None If the Effective Coverage Level falls between existing Factor ADM Coverage Levels then this will be based on the higher ADM Coverage Level. Round(Base Rate Differential Factor + (Upper Bound Rate If the Effective Coverage Level is greater than the Differential Factor - Lower Bound Rate Differential Factor) \* maximum ADM Coverage Level then this will be Rate Differential Factor = (Effective Coverage Level Percent - Floored Effective based on the highest ADM Coverage Level. Coverage Level Percent) \* 20, 9)

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

Reinsurance Year: 2024

Insurance Plan Code	01 Yield Protection	Record Name: Acreage Record Code: P11  O2 Revenue Protection			Version: Draft  Release Date: 6/27/2024  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 0094 Rye 0805 Weaned Calves		
	<u>Calculations</u>	<u>Field</u> <u>Name</u>		<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	Rules		
		Lower Bound Rate 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 Coverago Percent	e Level Internal		99.9999	None			

Evhibit Number: P11 1 Plan 01 02 02

Reincurance Vear: 2024

	Exhibit Numbe Record Nam Record Cod	e: Acreage				nce Year: 2024 Version: Draft ase Date: 6/27/2024		
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 0094 Rye 0805 Weaned Calves	
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>	
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)		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 Level.	

Insurance Plan Code  Commodity Code	Exhibit Name: Exhibit Number: Record Name: Record Code:  01 Yield Protection  0011 Wheat  0015 Canola  0016 Oats  0018 Rice					Vear: 2024 sion: Draft Date: 6/27/2024  03 Revenue Protection with Harvest Price Exclusion  0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves		
	Calculations	Field Name	Record Number	<u>Field</u> <u>Number</u>	Field 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 + (Opper Bound Prior Year Rate Differential Factor - Lower Bound = Prior Year Rate Differential Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 9)	Upper Bound Prior Year Rate Differential Factor	ADM		9.99999999	None	Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.	

	Exhibit Number Record Name Record Code	•		Reinsurance Year: 2024 Version: Draft Release Date: 6/27/2			raft		
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  Calculations	0021 Cotton 0041 Corn 0043 Popcorn 0047 Dry Beans Field Name	Record Number	<u>Field</u> Number	0051 Grain Sorghum 0067 Dry Peas 0075 Peanuts 0078 Sunflowers Field Format	<u>Field</u> Rounding	0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves		
	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.		
	Bound Prior Year Rate Differential Factor - Lower Bound = Prior Year Rate Differential Factor) * (Effective Coverage	Effective Coverage Level Percent	Internal		99.9999	None			
	Level Percent - Floored Effective Coverage Level Percent) * 20, 9)	Floored Effective Coverage Level Percent	Internal		99.9999	None	Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040".  If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be the Effective Coverage Level Percent.  If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level.  If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level.		

Exhibit Name: Premium Calculation Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2024 Record Name: Acreage Version: Draft Record Code: P11 Release Date: 6/27/2024 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 0051 Grain Sorghum 0011 Wheat 0021 Cotton 0081 Soybeans **Commodity Code** 0015 Canola 0041 Corn 0067 Dry Peas 0091 Barley 0016 Oats 0043 Popcorn 0075 Peanuts 0094 Rye 0018 Rice 0047 Dry Beans 0078 Sunflowers 0805 Weaned Calves Field Field Field Field Record **Calculations** <u>Name</u> Number Number **Format** Rounding 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 999.999 within the chosen unit structure regardless of Internal 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 Coverage Level Base Unit Residual Factor ADM 999.999 None less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040".

		er: P11-1, Plan 01, 02, 03 ne: Acreage de: P11	Acreage			urance Year: 2024  Version: Draft elease Date: 6/27/2024		
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  Calculations	0021 Cotton 0041 Corn 0043 Popcorn 0047 Dry Beans Field Name	Record Number		0051 Grain Sorghum 0067 Dry Peas 0075 Peanuts 0078 Sunflowers Field Format	<u>Field</u> Rounding	0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves  Rules	
Unit Residual Factor	Round(Base Unit Residual Factor + (Upper Bound Unit Residual Factor - Lower Bound Unit Residual Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 3)	Upper Bound Unit Residual Factor	ADM		999.999	None	Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040".  If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level Percent.  If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level.  If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.	

	Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11			Reinsurance Year: 2024  Version: Draft  Release Date: 6/27/2024					
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protec	ction with Harvest Price Exclusion		
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn 0047 Dry Beans Field	Record	Field	0051 Grain Sorghum 0067 Dry Peas 0075 Peanuts 0078 Sunflowers	Field	0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves		
	Calculations	Name	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	<u>Rules</u>		
		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			
Unit Residual Factor (continued) = Residual Factor - Lower Bound Unit Residual Factor) (continued) (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 3)	Floored Effective Coverage Level Percent	Internal		99.9999	None	Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040".  If the Effective Coverage Level Percent equals an existing ADM Coverage Level 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 Level.			

		•		Reinsurance Year Version 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 0094 Rye 0805 Weaned Calves
	<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>	<u>Rules</u>
		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".
	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 Levels then this will be based on lower ADM 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

Record Name: Acreage Record Code: P11 Reinsurance Year: 2024 Version: Draft Release Date: 6/27/2024

Insurance Plan Code	01 Yield Protection	02 Revenue Protection	03 Revenue Protect	ion with Harvest Price Exclusion
	0011 Wheat	0021 Cotton	0051 Grain Sorghum	0081 Soybeans
Commodity Code	0015 Canola	0041 Corn	0067 Dry Peas	0091 Barley
	0016 Oats	0043 Popcorn	0075 Peanuts	0094 Rye
	0018 Rice	0047 Dry Beans	0078 Sunflowers	0805 Weaned Calves

<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>
	Effective Coverage Level Percent	Internal		99.9999	None	
Factor =	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.

Premium Calculation

Insurance Plan Code	Exhibit Number Record Name	Record Name: Acreage Record Code: P11 Release  (ield Protection 02 Revenue Protection				Reinsurance Year: 2024 Version: Draft Release Date: 6/27/2024  03 Revenue Protection with Harvest Price Exclusion ain Sorghum  0081 Soybeans		
Commodity Code	0015 Canola 0016 Oats 0018 Rice	0041 Corn 0043 Popcorn 0047 Dry Beans			0067 Dry Peas 0075 Peanuts 0078 Sunflowers		0091 Barley 0094 Rye 0805 Weaned Calves	
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	Rules	
When Unit Structure Code	e is equal to Enterprise Unit, 'EU', use the following calculation	ons for Enterprise Unit Residual	Factor and Pi	rior Year Ente	erprise Unit Residual Facto	r:	<u></u>	
		Enterprise Unit Residual Factor	Internal		999.999	Round to 3 decimal places.	The cap value for the Residual Factors is the MAX(Residual Factor) from all coverage levels within the chosen unit structure	
		Base Enterprise Unit Residual Factor	ADM		999.999	None	Base Enterprise Unit Residual Factor is equal to Enterprise Unit Residual for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040".	
Enterprise Unit Residual Factor	Round(Base Enterprise Unit Residual Factor + (Upper Bound Enterprise Unit Residual Factor - Lower Bound Enterprise Unit Residual Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 3)		ADM		999.999	None	Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040".  If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level Percent.  If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level.  If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.	

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

Record Name: Acreage Record Code: P11 Reinsurance Year: 2024
Version: Draft
Release Date: 6/27/2024

03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 0051 Grain Sorghum 0081 Soybeans 0011 Wheat 0021 Cotton **Commodity Code** 0067 Dry Peas 0015 Canola 0041 Corn 0091 Barley 0016 Oats 0043 Popcorn 0075 Peanuts 0094 Rye 0805 Weaned Calves 0018 Rice 0047 Dry Beans 0078 Sunflowers Field Record Field Field Field

<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	Rules
	Lower Bound Enterprise Unit Residual Factor	ADM		999.999	None	Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040".  If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level.
Enterprise Unit Residual Factor =  Round(Base Enterprise Unit Residual Factor + (Upper Bound Enterprise Unit Residual Factor - Lower Bound Factor = Enterprise Unit Residual Factor + * (Effective Coverage Level	Effective Coverage Level Percent	Internal		99.9999	None	
(continued) Enterprise Unit Residual Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 3)	Floored Effective Coverage Level Percent	Internal		99.9999	None	Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040".  If the Effective Coverage Level 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 Level.

Insurance Plan Code	Exhibit Number Record Name Record Code  01 Yield Protection	: P11  02 Revenue Protection			Reinsurance Yea Versior Release Date  0051 Grain Sorghum	n: Draft		
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn 0047 Dry Beans			0067 Dry Peas 0075 Peanuts 0078 Sunflowers		0091 Barley 0094 Rye 0805 Weaned Calves	
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	Rules	
Round/Rase Enterprise Prior Year Unit Residual Factor +	Prior Year Enterprise Unit Residual Factor	Internal		999.999	Round to 3 decimal places.	The cap value for the Residual Factors is the MAX(Residual Factor) from all coverage levels within the chosen unit structure		
	Round(Base Enterprise Prior Year Unit Residual Factor +	Base Enterprise Prior Year Unit Residual Factor	ADM		999.999	None	Base Enterprise Prior Year Unit Residual Factor is equal to Enterprise Prior Year Unit Residual for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040".	
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.	

			Reinsurance Year: 2024 Version: Draft Release Date: 6/27/2024				
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				ion with Harvest Price Exclusion	
Commodity Code	0011 Wheat 0015 Canola 0016 Oats 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn 0047 Dry Beans Field	Record		0051 Grain Sorghum 0067 Dry Peas 0075 Peanuts 0078 Sunflowers	Field	0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves
	Calculations	<u>Name</u>	Number	Number	Format	Rounding	Rules
Round(Base Enterprise Prior Year 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)	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 strenthis 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.

Insurance Plan Code  Commodity Code	Exhibit Name: Premium Calculation Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11  01 Yield Protection  02 Revenue Protection  0011 Wheat  0021 Cotton 0015 Canola 0041 Corn 0016 Oats  0043 Popcorn		Reinsurance Year: 2024 Version: Draft Release Date: 6/27/2024  03 Revenue Protection with Harvest Price Exclusion  0051 Grain Sorghum 0067 Dry Peas 0067 Dry Peas 0075 Peanuts 0094 Rye				
	0018 Rice	0047 Dry Beans Field	Record	<u>Field</u>	0078 Sunflowers Field	<u>Field</u>	0805 Weaned Calves
When Unit Structure Code	Calculations 2 is equal to Whole Farm Unit, 'WU', use the following calculations	Name ntions for Whole Farm Unit Resi	Number dual Factor a	Number and Prior Year	<u>Format</u> r Whole Farm Unit Residua	Rounding  I Factor:	Rules
		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 equal 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	= Whole Farm Unit Residual Factor) * (Effective Coverage	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 Coverage Level. If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Leve 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 Version 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 Field Name	Record Number	<u>Field</u> Number	0051 Grain Sorghum 0067 Dry Peas 0075 Peanuts 0078 Sunflowers Field Format	<u>Field</u> Rounding	0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves
Calculations  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 Level Percent - Floored Effective Coverage Level Percent) * 20, 3)	Effective Coverage Level Percent	Internal		99.9999	None	
		Floored Effective Coverage Level Percent	Internal		99.9999	None	Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040".  If the Effective Coverage Level 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 Level.

Exhibit Name: Premium Calculation Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11				Reinsurance Year: 2024  Version: Draft  Release Date: 6/27/2024					
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	1	0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves		
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	Rules		
	Davind/Dava Whale Fours Drive Veer Unit Davidual Footon	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 =	Round(Base Whole Farm Prior Year 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 - Lower Bound Prior Year Whole Farm Unit Residual Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 3)	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 Levels is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level then this will be based on the highest ADM Coverage Level.		
		Lower Bound Prior Year 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 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			

02 Revenue Protection

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

Record Name: Acreage Record Code: P11 Reinsurance Year: 2024 Version: Draft

Release Date: 6/27/2024

	0011 Wheat	0021 Cotton			0051 Grain Sorghum	_	0081 Soybeans
Commodity Code	0015 Canola	0041 Corn			0067 Dry Peas		0091 Barley
	0016 Oats	0043 Popcorn			0075 Peanuts		0094 Rye
	0018 Rice	0047 Dry Beans			0078 Sunflowers		0805 Weaned Calves
		<u>Field</u>	Record	Field	<u>Field</u>	<u>Field</u>	
	<u>Calculations</u>	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	<u>Rules</u>
Prior Year Whole Farm Unit Residual Factor	Round(Base Whole Farm Prior Year 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)		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

**Insurance Plan Code** 

01 Yield Protection

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.

03 Revenue Protection with Harvest Price Exclusion

When Unit Structure Code is equal to Optional Unit, "OU", "UA", or "UD", use the following calculation for Unit Structure Discount Factor:

	Exhibit Name: Premium Calculation  Exhibit Number: P11-1, Plan 01, 02, 03  Record Name: Acreage  Record Code: P11			Reinsurance Year: 2024  Version: Draft  Release Date: 6/27/2024					
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 0094 Rye 0805 Weaned Calves		
	Calculations	<u>Field</u> Name	<u>Record</u> Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules		
		Unit Structure Discount Factor	Internal		9.99999999	Round to 4 decimal places.	Capped at 1.0		
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)	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".		
			ADM		9.99999999	None	Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.		
		Lower Bound Coverage Level Percent Optional Unit Discount Factor	ADM		9.99999999	None	Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the lower ADM Coverage Levels then 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: P11-1, Plan 01, 02, 03

Reinsurance Year: 2024

	Record Name: Acreage						
	Record Code: P11						
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 0094 Rye 0805 Weaned Calves
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>
Unit Structure Discount Factor (continued)	= Unit Discount Factor - Lower Bound Coverage Level Percent	Floored Effective Coverage Level Percent	Internal		99.9999	None	Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040".  If the Effective Coverage Level equals an existing ADM Coverage Level then this will be the Effective Coverage Level.  If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level.  If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level.

	Exhibit Name: Premium Calculation Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11			Reinsurance Year: 2024 Version: Draft Release Date: 6/27/2024					
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 0094 Rye 0805 Weaned Calves		
	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>		
When Unit Structure Code	is equal to Basic Unit, 'BU', use the following calculation for	Unit Structure Discount Factor:							
		Unit Structure Discount Factor	Internal		9.99999999	Round to 4 decimal places.	Capped at 1.0		
Unit Structure Discount Factor = Discount Factor Basic Unit Disco		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".		
	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		9.999999999	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 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: 2024

	Record Name: Acreage  Record Code: P11			Version: Draft Release Date: 6/27/2024			
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	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 0094 Rye 0805 Weaned Calves	
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>
		Effective Coverage Level Percent	Internal		99.9999	None	
Unit Structure Discount Factor (continued)	= Discount Factor - Lower Bound Coverage Level Percent	Floored Effective Coverage Level Percent	Internal		99.9999	None	Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040".  If the Effective Coverage Level equals an existing ADM Coverage Level then this will be the Effective Coverage Level.  If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level.  If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level.

	Exhibit Number Record Name	Exhibit Name: Premium Calculation Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11			Reinsurance Year: 2024  Version: Draft  Release Date: 6/27/2024					
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 0094 Rye 0805 Weaned Calves			
	<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>			
When Unit Structure Code	e is equal to Enterprise Unit, 'EU', use the following calculation	on for Unit Structure Discount Fa	ector:							
		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		9.99999999	None	Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level falls between existing ADM Coverage Level then this will be based on the higher ADM Coverage Levels then this will be based on the higher ADM 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.			

Insurance Plan Code	Exhibit Number: P11-1 Record Name: Acrea Record Code: P11  nsurance Plan Code 01 Yield Protection 02 Re			r: 2024 n: Draft e: 6/27/2024 03 Revenue Protec	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 Field	Record		0051 Grain Sorghum 0067 Dry Peas 0075 Peanuts 0078 Sunflowers Field	Field	0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves
	Calculations	Name  Effective Coverage Level Percent	<u>Number</u> Internal	Number	<u>Format</u> 99.9999	Rounding  None	Rules
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	t (DRE) Option 'DC'						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.

Evhibit Number: B11 1 Blan 01 02 02

		<b>Exhibit Number:</b> P11-1, Plan 01, 02, 03			Reinsurance Year		
	Record Name Record Code	•			Version Release Date		
	Record Code	: r11			Release Date	0/2//2024	
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protectio	n with Harvest Price Exclusion
	0011 Wheat	0021 Cotton			0051 Grain Sorghum		0081 Soybeans
Commodity Code	0015 Canola	0041 Corn			0067 Dry Peas		0091 Barley
	0016 Oats	0043 Popcorn			0075 Peanuts		0094 Rye
	0018 Rice	0047 Dry Beans			0078 Sunflowers		0805 Weaned Calves
	<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>	<u>Rules</u>
Section 16: Liability Calcul	ation						
	Premium Liability Amount	Internal		999999999	Round to whole number.		
Premium Liability Amount	Dollar Amount of Insurance * Reported Acreage * Insured Share Percent * Price Election Percent	Dollar Amount of Insurance	ADM		99999	None	Edit with ADM Price, "A00810", Fixed Coverage Amount with insurance option = 'DC'.
,		Reported Acreage	P11	48	9999999999	None	
		Insured Share Percent	P11	43	9.9999	None	DRE insured share will always be 100% without regards to base Rice.
		Price Election Percent	ICE		9.9999	None	From base Rice P14 record.
		Liability Amount	P11	94	999999999	Round to whole number.	
	Dollar Amount of Insurance * Reported Acreage * Insured	Dollar Amount of Insurance	ADM		99999	None	Edit with ADM Price, "A00810", Fixed Coverage Amount with insurance option = 'DC'.
Liability Amount	Share Percent * Price Election Percent	Reported Acreage	P11	48	999999.99	None	
		Insured Share Percent	P11	43	9.9999	None	DRE insured share will always be 100% without regards to base Rice.
		Price Election Percent	ICE		9.9999	None	From base Rice P14 record.

Exhibit Name: Premium Calculation Evhibit Number: P11 1 Plan 01 02 02

Paincurance Vear: 2024

Exhibit Number	Exhibit Number: P11-1, Plan 01, 02, 03							
Record Name	: Acreage		Version: Draft					
Record Code	: P11			Release Dat	te: 6/27/2024			
Insurance Plan Code 01 Yield Protection	02 Revenue Protection				03 Revenue Protect	ion with Harvest Price Exclusion		
0011 Wheat	0021 Cotton			0051 Grain Sorghum		0081 Soybeans		
Commodity Code 0015 Canola	0041 Corn			0067 Dry Peas		0091 Barley		
0016 Oats	0043 Popcorn			0075 Peanuts		0094 Rye		
0018 Rice	0047 Dry Beans			0078 Sunflowers		0805 Weaned Calves		
	<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>			
<u>Calculations</u>	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	Rules		
Section 17: Total Premium Amount, Subsidy Amount, and Producer Premium Amount								
Preliminary Total	Preliminary Total Premium	Internal		999999999	Round to whole number.			
Preliminary Total 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 an Rancher or Native Sod, see Section 18 for subsidy calculations.		
	Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070". Wi always be 38% for DRE.		
Producer Premium = Total Premium Amount - Subsidy Amount Amount	Producer Premium Amount	P11	94	999999999	Round to whole number.			
Section 18: Beginning Farmer and Rancher (BFR), Veteran Farmer Rancher (VFR), Nativ	e Sod (NS) and Conservation Co	ompliance (C	C) Subsidy Cal	lculations				
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 - Page Subsidy Amount * CC Subsidy Peduction Page 1	CC Subsidy Reduction Percent	P11	76	9.9999	None	If Applicable; else 0.		
CC Subsidy Reduction = Base Subsidy Amount * CC Subsidy Reduction Percent Amount	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		

Exhibit Name: Premium Calculation Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2024 Record Name: Acreage Version: Draft Record Code: P11 Release Date: 6/27/2024 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 0051 Grain Sorghum 0011 Wheat 0021 Cotton 0081 Soybeans **Commodity Code** 0067 Dry Peas 0015 Canola 0041 Corn 0091 Barley 0016 Oats 0043 Popcorn 0075 Peanuts 0094 Rye 0018 Rice 0047 Dry Beans 0078 Sunflowers 0805 Weaned Calves Field Field Field Field Record **Calculations** <u>Name</u> Number Number **Format** Rounding Rules Producer Premium . . . . = Total Premium Amount - Subsidy Amount Round to whole Producer Premium Amount P11 94 999999999 Amount number. Section 19: Yield Cup, Yield Exclusion, Quality Loss, and Trend APH Current Year Base Premium Rate Calculations (only use when the Effective Coverage Level for the record exceeds the highest coverage level for the offer in the ADM) Round to whole Unadjusted Liability Amount Internal 999999999 number. Coverage Level Percent P14 34 9.9999 None Unadjusted Liability \_ Round((Coverage Level Percent/Effective Coverage Level Effective Coverage Level Amount Percent),10) \* Premium Liability Amount Internal

Internal

Percent

Premium Liability Amount

99.9999

999999999

Round to whole

number.

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

	Exhibit Number: Record Name: Record Code:	e: Acreage			Reinsurance Year Version Release Date	: Draft	
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protectio	n 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 0094 Rye 0805 Weaned Calves
	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	Internal		9999999999999999	Round to 8 decimals.	
		Unadjusted Liability Amount	Internal		999999999	Round to whole number.	
	When Unit Structure Code is equal to Optional Unit, "OU", "UA" or "UD:	Current Year Base Rate	Internal		9999999999.99999	Round to 8 decimals.	
	ROUND(1.00/ Current Year Base Rate,8) – ROUND(Unadjusted Liability Amount/(Current Year Base Rate * Premium Liability Amount),8) +	Premium Liability Amount	Internal		999999999	Round to whole number.	
		Base Rate Differential Factor	ADM		9.99999999	None	
		Base Unit Residual Factor	ADM		999.999	None	
Max Coverage Level Adjustment Factor	ROUND(ROUND(Base Rate Differential Factor * Base Unit Residual Factor * Base Optional Unit Structure Discount Factor * Unadjusted Liability Amount,8)/Premium Liability Amount,8) =	Base Optional Unit Structure Discount Factor	ADM		9.99999999	None	Base Optional Unit Structure Discount Factor is equal to Optional Unit Discount Factor for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than cequal to Effective Coverage Level. Edit with 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 than 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.

	Exhibit Number: Record Name: Record Code:	· ·			Version	Reinsurance Year: 2024  Version: Draft  Release Date: 6/27/2024	
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 Field	Record	Field	0051 Grain Sorghum 0067 Dry Peas 0075 Peanuts 0078 Sunflowers Field	Field	0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves
	Calculations	Name	Number	Number	Format	Rounding	Rules
	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 R	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.
Max Coverage Level Adjustment Factor (continued)	Structure Discount Factor * Unadjusted Liability Amount,8)/Premium Liability Amount,8)	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) –	Unit Structure Discount Factor	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).
	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)	Base Whole Farm Unit Residual Factor	ADM		999.999	None	Base Whole Farm Unit Residual Factor is equal 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".

	Exhibit Number: Record Name: Record Code:	•			Version	surance Year: 2024 Version: Draft Release Date: 6/27/2024		
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 0094 Rye 0805 Weaned Calves	
	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>	
		Marginal rate Adjustment Marginal Adjustment Rate Factor	Internal		9.99999999	Round to 8 decimals.		
		Max Coverage Level Adjustment Factor	Internal		999999999999999	Round to 8 decimals.		
	Max Coverage Level Adjustment Factor /(Rate Differential Factor * Unit Residual Factor * Unit Structure Discount	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).	
	Factor)	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).	
Marginal Rate Adjustment 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), "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" (Yield Exclusion) where Unit Structure Code equal to Whole Farm Unit, 'WU'.	

	Record Name: Record Code:	P11	Reinsurance Year: 2024  Version: Draft  Release Date: 6/27/2024					
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 0094 Rye 0805 Weaned Calves	
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	Rules	
		Current Year Base Premium Rate	Internal		9999999999999999999999	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.	, 52 , 5. 22.2, 22 .	
	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, 'WL	

Insurance Plan Code  Commodity Code	Record Name: Record Code:  01 Yield Protection  0011 Wheat 0015 Canola 0016 Oats 0018 Rice	P11  02 Revenue Protection  0021 Cotton  0041 Corn  0043 Popcorn  0047 Dry Beans  Field	Record	<u>Field</u>	Reinsurance Year: Version: Release Date:  0051 Grain Sorghum 0067 Dry Peas 0075 Peanuts 0078 Sunflowers Field	: Draft	
Section 20: Yield Cup. Yield	Calculations  d Exclusion, Quality Loss, and Trend APH for CottonseedCu	Name rrent Year Base Premium Rate (	Number Calculations (	Number only use who	Format  en the Effective Coverage L	Rounding evel for the record exc	Rules  eeds the highest coverage level for the offer in
the ADM).	a Exclusion, Quality 2033, and Trend Al 11 for cottonsecu-cu	rene rear base r remain nate c	alculations (	omy use wife	en the Enective coverage E	ever for the record exe	ceus the highest coverage level for the oriel in
		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).
Current Year Base Premium Rate	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'.
		Marginal Rate Adjustment Factor	Internal		999999999999999999999	Round to 8 decimals.	Copy value over from the base lint line.
	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'.
	for Weaned Calf Revenue Risk Protection, Commodity Code,	"0805," Premium Calculations.				•	
Section 1: Liability Calcula	tion	Premium Guarantee Per Head Amount	Internal		9999999999999	If Unit of Measure equals Pounds "LBS", then round to whole number.	Common Crop Insurance Policy definition 'production guarantee (per head)'.

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

	Record Name Record Code	•	Version: Draft  Release Date: 6/27/2024					
Insurance Plan Code	01 Yield Protection	02 Revenue Protection			nercuse bute	• •	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 0094 Rye 0805 Weaned Calves	
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>	
Premium Guarantee Per Head Amount	= Approved Yield * Coverage Level Percent	Approved Yield	P11	42	99999999999	None	Approved Yield must be in whole pounds when Commodity Code equals Weaned Calf, "0805."	
		Coverage Level Percent	P14	34	9.9999	None	The Coverage Level Percent in this section is ALWAYS the chosen coverage level and NOT the Effective Coverage Level.	
Guarantee Per Head Amount	_ Premium Guarantee Per Head Amount * Guarantee Adjustment Factor	Guarantee Per Head Amount	Internal		999999999.99	If Unit of Measure equals Pounds "LBS", then round to whole number.	Guarantee Per Head Amount should be rounded to whole pounds for Weaned Calf, "XXXX0805".	
		Guarantee Adjustment Factor	P11	69	0.999	None	Edit with the Guarantee Adjustment ICE, "D00068".	
		Formulated Producer Projected Price	Internal		9.9999			
Formulated Producer Projected Price	Projected Price * (1+Projected Price Adjustment Factor * (650-MAX(200, MIN(750, Approved Yield))))	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".	
		Projected Price Adjustment Factor	ADM		9.99999	None	Edit with ADM Price, "00810".	
		Approved Yield	P11	42	99999999.99	None	Approved Yield must be in whole pounds when Commodity Code equals Weaned Calf, "0805."	
		Price Election Amount	Internal		9999.9999	When Commodity Code equals Weaned Calf, "XXXX0805", round to nearest whole cent [\$9.99].	For CAT Coverage, do not round up. Use standard rounding rules.	
Price Election Amount	Formulated Producer Projected Price * Price Election Percent	Formulated Producer Projected Price	Internal		9.9999			

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

	Exhibit Number: Record Name: Record Code:			Reinsurance Yea Versio Release Dat			
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 0094 Rye 0805 Weaned Calves
	Calculations	Field Name	Record Number	<u>Field</u> <u>Number</u>	Field Format	<u>Field</u> <u>Rounding</u>	Rules
		Price Election Percent	ICE		9.9999	None	Price Election Percent must equal 1.000, when Insurance Plan Code is Revenue Protection, "02", or Revenue Protection with Harvest Price Exclusion, "03". Edit with ICE Price Election Percent, "D00007".
Premium Total Guarantee Premium Guarantee Per Head Amount * Price Election  Amount * Reported Head Count	Premium Guarantee Per Head Amount * Price Election	Premium Total Guarantee Amount	Internal		99999999999	Round to 2 decimals.	
Amount	Amount * Reported Head Count	Price Election Amount Reported Head Count	Internal P11	90	9999.9999 99999999.99	None None	
	Guarantee Per Head Amount * Price Election Amount *	Total Guarantee Amount	P11	103	99999999999	Round to 2 decimals.	
Total Guarantee Amount	Reported Head Count	Price Election Amount	Internal		9999.9999	None	
Premium Liability Amount	= Premium Total Guarantee Amount * Insured Share Percent	Reported Head Count  Premium Liability Amount	P11 Internal	90	999999.99	None Round to whole number.	
Liability Amount	- Total Cuarantee Amount * Incured Share Decemb	Insured Share Percent Liability Amount	P11 P11	43 94	9.9999 999999999	None Round to whole	
Liability Amount	= Total Guarantee Amount * Insured Share Percent	Insured Share Percent	P11	43	9.9999	number. None	
Section 2: Unit Discount Ca	lculation						The appropriate discount factor should be looked up and applied.
Unit Structure Discount	When Unit Structure Code is Basic Unit, "BU":	Unit Structure Discount Factor	Internal		9.99999999	None	capped at 1.0
Unit Structure Discount	Basic Unit Discount Factor	Basic Unit Discount Factor	ADM		9.999	None	Edit with ADM Unit Discount, "A01090".
Revenue Lookup	When the Unit Structure Code is Basic Unit, "BU":	Revenue Lookup Adjustment Factor	Internal		9.9999999	None	
Adjustment Factor	Unit Structure Discount Factor	Unit Structure Discount Factor	Internal		9.9999999	None	

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

			Reinsurance Year: 2024					
	•							
Record Code	: P11			Release Date	: 6/27/2024			
01 Yield Protection	02 Revenue Protection				03 Revenue Protection	n with Harvest Price Exclusion		
0011 Wheat	0021 Cotton			0051 Grain Sorghum		0081 Soybeans		
0015 Canola	0041 Corn			0067 Dry Peas		0091 Barley		
0016 Oats	0043 Popcorn			0075 Peanuts		0094 Rye		
0018 Rice	0047 Dry Beans			0078 Sunflowers		0805 Weaned Calves		
	<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>			
Calculations	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	<u>Rules</u>		
ate Calculation								
- Date Vield / Deference Amount	Current Year Yield Ratio	Internal		9.9999	Round to 2 decimals.	Cup at 0.50 and Cap at 1.50.		
- Rate field / Reference Amount	Rate Yield	P15	35	9999999999	None			
	Reference Yield	ADM		99999.99	None	Edit with ADM Base Rate, "A01010".		
	Prior Year Yield Ratio	Internal		9.9999	Round to 2 decimals.	Cup at 0.50 and Cap at 1.50.		
= Rate Yield / Prior Year Reference Amount	Rate Yield	P15	35	99999999999	None			
	Prior Year Reference Amount	ADM		99999.99	None	Edit with ADM Base Rate, "A01010".		
- Current Veer Vield Batis A Evnenent Value	Current Year Rate Multiplier	Internal		9999.9999999	Round to 8 decimals.			
- Current real freid Ratio - Exponent Value	Exponent Value	ADM		\$99.999	None	Edit with ADM Base Rate, "A01010".		
= Prior Year Yield Ratio ^ Prior Year Exponent Value	Prior Year Rate Multiplier	Internal		9999.9999999	Round to 8 decimals.			
	Prior Year Exponent Value	ADM		\$99.999	None	Edit with ADM Base Rate, "A01010".		
	Current Year Base Rate	Internal		9999999999999999	Round to 8 decimals.			
= Current Year Rate Multiplier * Reference Rate + Fixed rate	Current Year Rate Multiplier	Internal		9999.9999999	None			
	Reference Rate	ADM		9.9999	None	Edit with ADM Base Rate, "A01010".		
	Fixed Rate	ADM		9.9999	None	Edit with ADM Base Rate, "A01010".		
	Prior Year Base Rate	Internal		9999999999999999	Round to 8 decimals.			
Prior Year Rate Multiplier * Prior Year Reference Rate +	Prior Year Rate Multiplier	Internal		9999.99999999	None			
Prior Year Fixed rate	Prior Year Reference Rate	ADM		9.9999	None	Edit with ADM Base Rate, "A01010".		
	Prior Year Fixed Rate	ADM		9.9999	None	Edit with ADM Base Rate, "A01010".		
When Unit Structure Code is equal to Basic Unit, "BU":	Current Year Base Premium Rate	Internal		9999999999999999	Round to 8 decimals.			
Round(Current Year Base Rate * Rate Differential Factor * Unit Residual Factor, 8)	Rate Differential Factor	ADM		9.99999999	None	Edit with ADM Coverage Level Differential, "A01040".		
When Unit Structure Code is equal to Basic Unit, "BU":	Prior Year Base Premium Rate	Internal		9999999999999999	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".		
MIN (Current Year Base Premium Rate, Prior Year Base Premium Rate * 1.2, .999)	Base Premium Rate	P11	97	9999999999999999	Round to 8 decimals.			
MIN(Current Year Base Rate, Prior Year Base Rate * 1.2,	Revenue Lookup Rate	Internal		99999999999999	Round to 4 decimals.			
	Record Name: Record Code:  01 Yield Protection  0011 Wheat 0015 Canola 0016 Oats 0018 Rice  Calculations  ate Calculation  = Rate Yield / Reference Amount  = Rate Yield / Prior Year Reference Amount  = Current Year Yield Ratio ^ Exponent Value  = Prior Year Yield Ratio ^ Prior Year Exponent Value  = Current Year Rate Multiplier * Reference Rate + Fixed rate  Prior Year Fixed rate  When Unit Structure Code is equal to Basic Unit, "BU": Round(Current Year Base Rate * Rate Differential Factor * Unit Residual Factor, 8)  When Unit Structure Code is equal to Basic Unit, "BU": Round(Prior Year Base Rate * Prior Year Rate Differential Factor * Prior Year Unit Residual Factor, 8)  Min (Current Year Base Rate * Prior Year Rate Differential Factor * Prior Year Unit Residual Factor, 8)  MIN (Current Year Base Rate, Prior Year Base Rate * 1.2, .999)  MIN(Current Year Base Rate, Prior Year Base Rate * 1.2, .999)  MIN(Current Year Base Rate, Prior Year Base Rate * 1.2, .999)  MIN(Current Year Base Rate, Prior Year Base Rate * 1.2, .999)	0011 Wheat 0015 Canola 0016 Oats 0018 Rice 0047 Dry Beans  Field Name  ate Calculations  E Rate Yield / Reference Amount  E Rate Yield / Prior Year Reference Amount  Current Year Yield Ratio  E Current Year Yield Ratio ^ Exponent Value  E Current Year Yield Ratio ^ Prior Year Exponent Value  Frior Year Yield Ratio ^ Prior Year Exponent Value  Frior Year Rate Multiplier * Reference Rate + Fixed rate  Prior Year Rate Multiplier * Reference Rate + Fixed Rate  Prior Year Rate Multiplier * Prior Year Rate Multiplier Reference Rate  Prior Year Rate Multiplier * Prior Year Rate Multiplier Prior Year Rate Multiplier Reference Rate  Prior Year Rate Multiplier * Prior Year Rate Multiplier Prior Year Rate Multiplier Reference Rate  Prior Year Rate Multiplier * Prior Year Rate Multiplier Prior Year Rate Multiplier Prior Year Rate Multiplier Reference Rate  Prior Year Rate Multiplier * Prior Year Rate Multiplier Prior Year Base Rate  Prior Year Rate Multiplier Prior Year Rate Differential Factor * Prior Year Base Rate * Rate Differential Factor * Prior Year Base Rate * Prior Year Rate Differential Factor * Prior Year Base Rate * Prior Year Rate Differential Factor * Prior Year Base Rate * Prior Year Base Premium Rate Premium Rate * 1.2, 999)  MIN (Current Year Base Rate, Prior Year Base Rate * 1.2, 999)  MIN (Current Year Base Rate, Prior Year Base Rate * 1.2, 999)  MIN (Current Year Base Rate, Prior Year Base Rate * 1.2, 999)	Record Name: Acreage Record Code: P11  01 Yield Protection  02 Revenue Protection  0011 Wheat 0015 Canola 0016 Oats 0018 Rice 0021 Cotton 0018 Rice 0047 Dry Beans  Field Name Number  atte Calculations  atte Calculation  E Rate Yield / Reference Amount  E Rate Yield / Prior Year Reference Amount  E Rate Yield Ratio   Prior Year Reference Amount  E Prior Year Rate Multiplier   Internal Exponent Value  E Prior Year Yield Ratio ^ Prior Year Exponent Value  E Current Year Rate Multiplier   Internal Prior Year Exponent Value   ADM  E Current Year Rate Multiplier   Internal Reference Rate   ADM Prior Year Rate Multiplier   Internal Prior Year Rate Multiplier   Internal Rate   ADM Prior Year Rate Multiplier   Internal Reference Rate   ADM Prior Year Rate Multiplier   Internal Rate   ADM Prior Year Rate Multiplier   Internal Rate   ADM Prior Year Rate Multiplier   Internal Prior Year Rate Multiplier   Internal Prior Year Rate Multiplier   Internal Rate   ADM Prior Year Rate Differential Factor   ADM Prior Year Rate Differential Factor   ADM Pri	Record Name: Acreage Record Code: P11  01 Yield Protection  02 Revenue Protection  011 Wheat 0015 Canola 0041 Corn 0015 Canola 0042 Doys Beans  Field Name  Prior Year Yield Ratio  Rate Yield / Prior Year Reference Amount  Rate Yield Ratio ^ Prior Year Exponent Value  Prior Year Rate Multiplier  Prior Year Rat	Necord Name: Acreage   Necord Name: Acreage   Necord Code: P11   Nedease Date	Note   Protection   Protectio		

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

Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11				Reinsurance Year: 2024  Version: Draft  Release Date: 6/27/2024					
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	n with Harvest Price Exclusion		
Commodity Code	0015 Canola 0016 Oats	0021 Cotton 0041 Corn 0043 Popcorn 0047 Dry Beans Field	Record		0051 Grain Sorghum 0067 Dry Peas 0075 Peanuts 0078 Sunflowers Field	Field	0081 Soybeans 0091 Barley 0094 Rye 0805 Weaned Calves		
	Calculations	<u>Name</u>	Number	Number	<u>Format</u>	Rounding	Rules		
Section 4: Optional Coverage	ge (Additive "A" and Multiplicative "M")								
		Additive Optional Rate Adjustment Factor	Internal		999999.9999	Round to 4 decimals.			
Additive Optional Rate Adjustment Factor	When Rate Method Code is Additive, "A":  =  ∑ Option Rate * Rate Differential Factor	Option Rate	ADM		99999.9999	None	Option Rate will be the Sum of all Option Rate with Rate Method Code equal to Additive, "A". Edit with ADM Option Rate, "A01060".		
		Rate Differential Factor	ADM		9.9999999	None	Edit with ADM Coverage Level Differential, "A01040".		
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".		
Section 5: Revenue Coverag	ge Add on Rates (Applicable only for Plans 02 and 03)								
		Lookup Rate	Internal		999999999999999	Round to 4 decimals.			
Lookup Rate =	= Revenue Lookup Rate * Revenue Lookup Adjustment Factor	Revenue Lookup Rate	Internal		999999999999999	Round to 4 decimals.	From Section 3.		
		Revenue Lookup Adjustment Factor	Internal		9.9999999	None	From Section 2.		
		Adjusted Mean Quantity (AdjMean)	Internal		999999.99999999	Round to 8 decimals.			
		Approved Yield (AY)	P11	42	99999999.99	None			
Adjusted Mean Quantity =	= Approved Yield * Mean Quantity / 100	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.		

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

		ber: P11-1, Plan 01, 02, 03 me: Acreage ode: P11			Reinsurance Yea Versior Release Date	ı: Draft	
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 0094 Rye 0805 Weaned Calves
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>
		Adjusted Standard Deviation Quantity (AdjStndDev)	Internal		9999999999999999	Round to 8 decimals.	
		Approved Yield (AY)	P11	42	99999999.99	None	
Adjusted Standard Deviation Quantity	= Approved Yield * Standard Deviation Quantity / 100	Standard Deviation Quantity	ADM		999.99999999	None	Edit with ADM Combo Revenue Factor, "A01030".  Search the Combo Revenue Factor "A01030" for the Standard Deviation Quantity using Lookup Rate.
	Ln(Formulated Producer Projected Price) –  (Price Volatility Factor) <sup>2</sup> / 2	log Mean Quantity (LnMean)	Internal		999999.9999999	Round to 8 decimals.	
LnMean		Formulated Producer Projected Price	Internal		99999.9999		
		Price Volatility Factor	ADM		9.99		Edit with ADM Price, "A00810".
Yield Draw Quantity <sub>Sequence Number</sub>	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 <sub>Sequence</sub>	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

	Record Name	Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11			Reinsurance Year: 2024  Version: Draft  Release Date: 6/27/2024				
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 0094 Rye 0805 Weaned Calves		
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>		
		Simulated Yield Protection Losses Quantity(SimYPLosses)	Internal		999999999999999999999999999999999999999	Round to 12 decimals.			
		Formulated Producer Projected Price (FormPPP)	Internal		9.9999				
		Projected Priced (ProjPrice)	ADM		99999.9999	None	Edit with ADM Price, "A00810".		
	\( \sum_{i=1}^{500} \) \( \sum_{i=1}^{\infty} Round(MAX(0, AY * covlvl * FormPPP - (Round(MAX(0,Yieldi*AdjStdDev+AdjMean) ,12) * Round((1+PPAF*(650-MAX(200,MIN(750, (-Round(MAX(0,Yieldi*AdjStdDev+AdjMean) ,12))))) * ProjPrice,12))),12)	log Mean Quantity (LnMean)	Internal		999999.9999999	Round to 8 decimals.			
Simulated Yield Protection Losses		Projected Price Adjustment Factor (PPAF)	ADM		9.99999	None	Edit with ADM Price, "00810".		
Quantity		Approved Yield (AY)	P11	42	99999999.99	None			
		Adjusted Standard Deviation Quantity (AdjStdDev)	Internal		999999999999999999999999999999999999999	Round to 8 decimals.			
		Adjusted Mean Quantity (AdjMean)	Internal		999999.9999999	Round to 8 decimals.			
		Coverage Level Percent (covlvl)	P14	34	9.9999	None			
		Price Draw Quantity <sub>i</sub> (Price <sub>i</sub> )	ADM		99.99999999	None			
		Yield Draw Quantity <sub>i</sub> (Yield <sub>i</sub> )	ADM		99.99999999	None			
		Simulated Revenue Protection Losses Quantity(SimRPLosses)	Internal		999999999999999999999999999999999999999	Round to 12 decimals.			
	500	Formulated Producer Projected Price (FormPPP)	Internal		9.9999				
	∑ Round(MAX(0, AY * covlvl * Round(MAX(FormPPP,	Price Volatility Factor (PVF)	ADM		9.99		Edit with ADM Price, "A00810".		
	i=1 Round(MIN(2 * FormPPP, Round((1 + PPAF	log Mean Quantity (LnMean)	Internal		999999.9999999	Round to 8 decimals.			
Simulated Revenue Protection Losses =	*(650 - MAX(200, MIN(750, AY)))) * e <sup>(Pricei *</sup> = **	Projected Price Adjustment Factor (PPAF)	ADM		9.99999	None	Edit with ADM Price, "00810".		
Quantity	MAX(0, Yieldi * AdjStdDev + AdjMean),12) *	Approved Yield (AY)	P11	42	99999999.99	None			
	Round(MIN(2 * FormPPP, Round((1 + PPAF * (650 - MAX(200, MIN(750, (Round(MAX(0,	Adjusted Standard Deviation Quantity (AdjStdDev)	Internal		9999999999999999	Round to 8 decimals.			
	Yieldi *AdjStdDev + AdjMean),12)))))) * e <sup>(Pricei * PVF + LnMean)</sup> ,12)), 12))),12)	Adjusted Mean Quantity (AdjMean)	Internal		999999.9999999	Round to 8 decimals.			

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

	Record Name Record Code						
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 0094 Rye 0805 Weaned Calves
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	Rules
		Coverage Level Percent (covlvl)	P14	34	9.9999	None	
		Price Draw Quantity <sub>i</sub> (Price <sub>i</sub> )	ADM		S99.99999999	None	
		Yield Draw Quantity <sub>i</sub> (Yield <sub>i</sub> )	ADM		S99.99999999	None	
	Simulated Revenue Protection with Harvest Price Exclusion Losses Quantity (SimRPhpeLosses)	Internal		9999999999999999999	Round to 12 decimals.		
		Formulated Producer Projected Price (FormPPP)	Internal		9.9999		
	500	Price Volatility Factor (PVF)	ADM		9.99		Edit with ADM Price, "A00810".
Simulated Revenue Protection with Harvest	∑ Round(MAX(0, AY * covlvl * FormPPP - (Round( i=1 Max(0, Yieldi * AdjStdDev + AdjMean),12) *	log Mean Quantity (LnMean)	Internal		999999.9999999	Round to 8 decimals.	
Price Exclusion Losses	<ul> <li>Round(MIN(2 * FormPPP, Round((1 + PPAF * (650 - MAX(200, MIN(750,(Round(MAX(0,</li> </ul>	Projected Price Adjustment Factor (PPAF)	ADM		9.99999	None	Edit with ADM Price, "00810".
Quantity	Yieldi *AdjStdDev + AdjMean),12)))))) *	Approved Yield (AY)	P11	42	99999999.99	None	
	e <sup>(Pricei * PVF + LnMean)</sup> ,12)), 12))),12)	Adjusted Standard Deviation Quantity (AdjStdDev)	Internal		999999999.9999999	Round to 8 decimals.	
		Adjusted Mean Quantity (AdjMean)	Internal		999999.9999999	Round to 8 decimals.	
		Coverage Level Percent (covlvl)	P14	34	9.9999	None	
		Price Draw Quantity <sub>i</sub> (Price <sub>i</sub> )	ADM		S99.999999999	None	
		Yield Draw Quantity <sub>i</sub> (Yield <sub>i</sub> )	ADM		S99.999999999	None	
rotection Base Premium : Rate	= (Approved Yield * Coverage Level Percent * Formulated Producer Projected Price)	Simulated Yield Protection Base Premium Rate	Internal		999999.99999999	Round to 8 decimals.	
Protection Base Premium	(Simulated Revenue Protection Losses / 500) / (Approved = Yield * Coverage Level Percent * Formulated Producer Projected Price)	Simulated Revenue Protection Base Premium Rate	Internal		999999.9999999	Round to 8 decimals.	

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

Record Name: Acreage Record Code: P11 Reinsurance Year: 2024

Version: Draft

Release Date: 6/27/2024

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

	0011 Wheat	0021 Cotton	0051 Grain Sorghum	0081 Soybeans
Commodity Code	0015 Canola	0041 Corn	0067 Dry Peas	0091 Barley
	0016 Oats	0043 Popcorn	0075 Peanuts	0094 Rye

0018 Rice 0047 Dry Beans 0078 Sunflowers 0805 Weaned Calves

0018 Rice	0047 Dry Beans			0078 Sufflowers		0805 Wearied Calves
<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>
Simulated Revenue Protection with Harvest Price Exclusion Base Premium Rate  (Simulated Revenue Protection with harvest Price Exclusion Losses Quantity / 500) / (Approved Yield * Coverage level Percent * Formulated Producer Projected Price)	Simulated Revenue Protection with Harvest Price Exclusion Base Premium Rate	Internal		999999.99999999	Round to 8 decimals.	
Preliminary Revenue MAX(Simulated Revenue Protection Base Premium Rate - Protection Premium Add = Simulated Yield Protection Base Premium Rate, 0.01 * Base on Rate Premium Rate)	Preliminary Revenue Protection Premium Add on Rate	Internal		999999.9999999	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: 2024 Record Name: Acreage Version: Draft Record Code: P11 Release Date: 6/27/2024 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 0051 Grain Sorghum 0011 Wheat 0021 Cotton 0081 Soybeans **Commodity Code** 0015 Canola 0041 Corn 0067 Dry Peas 0091 Barley 0016 Oats 0043 Popcorn 0075 Peanuts 0094 Rye 0018 Rice 0047 Dry Beans 0078 Sunflowers 0805 Weaned Calves Field Field Field Field Record **Calculations** <u>Name</u> Number Number **Format** Rounding Rules The Premium Rate for ALL Unit Structures should be capped at .999 in the event various ection 6: Premium Rate adjustments to the Base Premium Rate would cause it to exceed 1.0. Set Capped Revenue Add On Factor as follows: If Insurance Plan Code equals 01, Capped Revenue Add On Factor will equal zero. 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+ Code equals 02 or Capped Revenue Protection Premium Rate = Round to 8 decimals **Premium Rate** Internal 9999999999999999 Additive Optional Rate Factor + Capped Revenue Add On with Harvest Price Exclusion Add On Rate when Factor) 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 On Rate when Insurance Plan Code equals 03.

	Exhibit Numbe Record Name Record Code								
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protect	cion 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 0094 Rye 0805 Weaned Calves		
	Calculations	<u>Field</u> Name	<u>Record</u> Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules		
Section 7: Total Premium	Amount, Subsidy Amount, and Producer Premium Amount								
		Preliminary Total Premium	Internal		999999999	Round to whole number.			
	Premium Liability Amount * Premium Rate * Experience	Experience Factor	P11	47	9.999	None	Experience Factor is only applicable for Insurance Plan Code Yield Protection, "01".		
Preliminary Total Premium	= 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.		
		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	Preliminary Total Premium * Multiple Commodity  Adjustment Factor	Total Premium Amount	P11	95	999999999	Round to whole number.			
Total Premium Amount		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, 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.			
Section 8: Total Premium	Amount, Subsidy Amount, and Producer Premium Amount								
		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					Use when the Approved Yield Had a Cup or Surcharge applied.		
Total Premium Amount	Preliminary Total Premium * Multiple Commodity	Total Premium Amount	P11	95	999999999	Round to whole number.			
75tal Fremium Amount	Adjustment Factor	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".		

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

	Record Name: Acreage Record Code: P11						
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protect	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 0094 Rye 0805 Weaned Calves
	<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>
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, 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.	
Section 9: Total Premium	Amount, Subsidy Amount, and Producer Premium Amount						
Preliminary Total Premium	= Premium Liability Amount * Premium Rate	Preliminary Total Premium	Internal		999999999	Round to whole number.	
Total Premium Amount	= Preliminary Total Premium	Premium Rate Total Premium Amount	ADM P11	95	999999999	None 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, 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.	
Section 10: Beginning Farm	ner and Rancher (BFR) and Veteran Farmer Rancher (VFR), ar	nd Subsidy Calculations					
Pasa Subsidu Amount	= Total Premium Amount * Subsidy Percent	Base Subsidy Amount	Internal		999999999	Round to whole number.	Cupped by the standard rule of \$1 if applicable.
base Subsidy Amount	- Total Premium Amount + Subsidy Percent	Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070".
BFR/VFR Subsidy Amount	= Total Premium Amount * 0.10 * (1 - CC Subsidy Reduction Percent)	BFR/VFR Subsidy Amount	Internal		999999999	Round to whole number.	Beginning Farmer Rancher/Veteran Farmer Rancher Subsidy Amount. If Applicable; else 0.
Subsidy Amount	= Base Subsidy Amount + BFR/VFR Subsidy Amount	Subsidy Amount	P11	93	999999999	Round to whole number.	Subsidy Amount cannot exceed Total Premium Amount. Subsidy Amount will be cupped at \$0.
Producer Premium Amount	= Total Premium Amount - Subsidy Amount	Producer Premium Amount	P11	94	999999999	Round to whole number.	