Record Name: Acreage

Reinsurance Year: 2018 Version: Approved

Release Date: 9/21/2023

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

9/19/2023 Page 1 of 74 Exhibit Name: Premium Calculation

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

Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved Release Date: 9/21/2023

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

		Field	Doored	Field	r:ald	Field	0091 Barley
	Calculations	<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>	Dules
	Calculations	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	<u>Rules</u>
	When Guarantee Adjustment Type Code equals Late Planting, "L" OR Prevented Planting, "P":					If Unit of Measure equals Pounds "LBS", then round to whole number.	
Guarantee Per Acre Amount	Premium Guarantee Per Acre Amount * Guarantee Adjustment Factor =	Guarantee Per Acre Amount	Internal		999999999.99	IIf I Init of Measure	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" or Wheat, "0011"; round to nearest whole cent [\$9.99]. If result is based on Contract Price for specialty type Corn, Soybeans or Barley; round to nearest one hundredth cent (\$9.9999).	

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Exhibit Name: Premium Calculation

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

Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

Record Code: P11

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

0018 Rice	0043 Popcorn			0067 Dry Peas		0081 Soybeans 0091 Barley
<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	<u>Rules</u>
Price Election Amount (continued) = Projected Price (or Contract Price) * Price Election Percent	Price Election Amount	Internal		9999.9999	When Commodity Code equals Canola, "0015", Rice, "0018", Sunflowers, "0078"; round to nearest one- tenth cent [\$9.999]. If result is based on Contract Price for specialty type Canola; 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".

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

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

 Commodity Code
 0011 Wheat
 0021 Cotton
 0047 Dry Beans
 0075 Peanuts

 Commodity Code
 0015 Canola
 0041 Corn
 0051 Grain Sorghum
 0078 Sunflowers

 0018 Rice
 0043 Popcorn
 0067 Dry Peas
 0081 Soybeans

0091 Barley								
	<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>			
<u>Calculations</u>	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	<u>Rules</u>		
Price Election Amount = Projected Price (or Contract Price) * Price Election Percent (continued)	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 _ Premium Guarantee Per Acre Amount * Price Election	Premium Total Guarantee Amount	Internal		9999999.99	Round to 2 decimals.			
	Price Election Amount	Internal		9999.9999	None			
Amount * Reported Acreage	Reported Acreage	P11	48	9999999.99	None	Reported Acreage must equal the sum of all Land, P27, Reported Acreage.		

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	n with Harvest Price Exclusion	
	0011 Wheat	0021 Cotton			0047 Dry Beans		0075 Peanuts	
Commodity Code	0015 Canola	0041 Corn			0051 Grain Sorghum		0078 Sunflowers	
	0018 Rice	0043 Popcorn			0067 Dry Peas	77 Dry Peas 0081 Soybeans 0091 Barley		
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	Rules	
		Total Guarantee Amount	P11	101	9999999.99	Round to 2 decimals.		
otal Guarantee Amount	Guarantee Per Acre Amount * Price Election Amount *	Price Election Amount	Internal		9999.9999	None		
	Reported Acreage	Reported Acreage	P11	48	999999.99	None	Reported Acreage must equal the sum of a Land, P27, Reported Acreage.	
emium 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		
Liability Amount	= Total Guarantee Amount * Insured Share Percent	Liability Amount	P11	92	999999999	Round to whole number.		
Liability Amount	- Total Guarantee Amount - Insured Share Fercent	Insured Share Percent	P11	43	9.9999	None		
tion 2: Unit Discount Ca	Iculation						The appropriate discount factor should be looked up and applied.	
en commodities are set	up in the unit discount table for lookups based solely on acres	5.						
	When the Unit Structure Code is Optional Unit, "OU", "UA", "UD", Basic Unit, "BU", or Enterprise Unit, "EU" or "EP":	Revenue Lookup Adjustment Factor	Internal		9.9999999	None		
Revenue Lookup	Unit Structure Discount Factor							
Adjustment Factor	When the Unit Structure Code is Whole Farm Unit "WU":	Unit Structure Discount Factor	Internal		9.9999999	None	Capped at 1.0 From below for Unit Structures "OU, UA, U	

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

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

		·					0091 Barley
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules
	When the Unit Structure Code is Optional Unit, "OU", "UA", or "UD":	Unit Structure Discount Factor	Internal		9.9999999	None	capped at 1.0
-	Optional Unit Discount Factor	Optional Unit Discount Factor	ADM		9.999	None	Edit with ADM Unit Discount, "A01090".
	When Unit Structure Code is Basic Unit, "BU": Basic Unit Discount Factor	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" or "EP": Enterprise Unit Discount Factor	Enterprise Unit Discount Factor	ADM		9.999	None	Edit with ADM Unit Discount, "A01090". Enterprise Units will now mandate that all insured acreage for a commodity will be included in the Enterprise Unit. This includes both fall and spring planted acreage. Enterprise Unit Discount Factor is contingent upon the sum of the reported acres which were not prevented from planting for all applicable units being greater than or equal to the Area Low Quantity and less than or equal to Area High Quantity fields contained on the ADM Unit Discount, "A01090". Unit is not eligible as an enterprise unit if summed planted acres are less than 20 acres or 20% of insured crop acreage.

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

	Record Code	Release Date: 9/21/2023									
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	n with Harvest Price Exclusion				
<u>Commodity Code</u>	0011 Wheat 0015 Canola 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley				
		<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>					
	Calculations	<u>Name</u>	<u>Number</u>	Number	<u>Format</u>	Rounding	Rules				
When commodities are set	/hen commodities are setup in the unit discount table for lookups based on acres <u>and</u> coverage levels.										
	When the Unit Structure Code is Optional Unit, "OU", "UA", or "UD":	Revenue Lookup Adjustment Factor	Internal		9.9999999	None					
	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".				
Revenue Lookup Adjustment Factor	When Unit Structure Code is Basic Unit, "BU": Basic Unit Discount Factor for 65% Coverage Level	Basic Unit Discount Factor	ADM		9.999	None	Edit with ADM Unit Discount, "A01090" for 65% Coverage Level. Basic Unit Discount Factor is contingent upon the sum of the reported acres which were not prevented from planting for the unit being greater than or equal to the Area Low Quantity and less than or equal to Area High Quantity fields contained on the ADM Unit Discount, "A01090" for 65% Coverage Level.				
	When the Unit Structure Code is Enterprise Unit, "EU" or "EP" or Whole Farm Unit "WU": Enterprise Unit Discount Factor for 65% Coverage Level	Enterprise Unit Discount Factor	ADM		9.999	None	Edit with ADM Unit Discount, "A01090" for 65% Coverage Level. Enterprise Unit Discount Factor is contingent upon the sum of the reported acres which were not prevented from planting for all applicable units being greater than or equal to the Area Low Quantity and less than or equal to Area High Quantity fields contained on the ADM Unit Discount, "A01090" for 65% Coverage Level.				

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

9.999

9.999

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None

None

Edit with ADM Unit Discount, "A01090".

Exclusion).

Exclusion).

Coverage Level.

See Section 19 for Option Code "TA" (Trend

Edit with ADM Unit Discount, "A01090" by

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,

See Section 19 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), and "YE" (Yield

"A01090" for Coverage Level.

Adjustment), "YC" (Yield Cup), and "YE" (Yield

Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	n with Harvest Price Exclusion
	0011 Wheat	0021 Cotton			0047 Dry Beans		0075 Peanuts
Commodity Code	0015 Canola	0041 Corn			0051 Grain Sorghum		0078 Sunflowers
	0018 Rice	0043 Popcorn	3 Popcorn 0067 Dry Peas		0081 Soybeans		
							0091 Barley
		Field	Record	Field	<u>Field</u>	<u>Field</u>	
	Calculations	<u>Name</u>		Number	<u>Format</u>	Rounding	<u>Rules</u>

ADM

ADM

Optional Unit Discount Factor

Basic Unit Discount Factor

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Optional Unit Discount Factor

Basic Unit Discount Factor

When Unit Structure Code is Basic Unit, "BU":

Unit Structure Discount

Factor

Exhibit Name: Premium Calculation

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

Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

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Insurance Plan Code 01 Yield Protection 02 Revenue Protection 03 Revenue Protection 03 Revenue Protection 05 Revenue Protection 05 Revenue Protection 06 Revenue Protection 07 R

 Commodity Code
 0011 Wheat
 0021 Cotton
 0047 Dry Beans
 0075 Peanuts

 Commodity Code
 0015 Canola
 0041 Corn
 0051 Grain Sorghum
 0078 Sunflowers

 0018 Rice
 0043 Popcorn
 0067 Dry Peas
 0081 Soybeans

0091 Barley Field Field <u>Field</u> <u>Field</u> Record **Calculations** Name Number Number **Format** Rounding Rules 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 When the Unit Structure Code is Enterprise Unit, "EU" or upon the sum of the reported acres which were Unit Structure Discount "EP": Enterprise Unit Discount not prevented from planting for all applicable Factor = ADM 9.999 None Factor units being greater than or equal to the Area (continued) Enterprise Unit Discount Factor 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), and "YE" (Yield Exclusion).

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

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01 Yield Protection 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 02 Revenue Protection 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts 0041 Corn 0051 Grain Sorghum Commodity Code 0015 Canola 0078 Sunflowers 0018 Rice 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0091 Barley Field Record Field **Field** Field 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 None 9999999.99 Prior Year Yield Ratio = Round(Approved Yield * Contract Price,0) / Prior Year Reference Amount **Contract Price** P11 46 9999.9999 None ADM 99999.99 Prior year Reference Amount None Edit with ADM Base Rate, "A01010". When previous year yield limitation code = '03' and Insurance Option Code List contains Yield Cup (YC) and the aforementioned commodities/types are not applicable: Prior Year Yield Ration 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 Prior Year Yield Ratio = Approved Yield / Prior Year Reference Amount Approved Yield P11 42 9999999.99 None converted rate yield from the P15 record with skip row (yield conversion factor) applied. Prior Year Reference Amount Edit with ADM Base Rate, "A01010". ADM 99999.99 None Otherwise: Prior 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 Rate Yield P15 35 9999999.99 None converted rate yield from the P15 record with Prior Year Yield Ratio = Rate Yield / Prior Year Reference Amount 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 Internal 9999.9999999 Round to 8 decimals. Current Year Rate Multiplier Multiplier ADM Exponent Value 599,999 None Edit with ADM Base Rate, "A01010". Prior Year Rate Multiplier Internal 9999.9999999 Round to 8 decimals. Prior Year Rate Multiplier = Prior Year Yield Ratio ^ Prior Year Exponent Value Prior Year Exponent Value ADM S99.999 None Edit with ADM Base Rate, "A01010".

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018
Version: Approved
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Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	n with Harvest Price Exclusion
	0011 Wheat	0021 Cotton			0047 Dry Beans		0075 Peanuts
Commodity Code	0015 Canola	0041 Corn			0051 Grain Sorghum		0078 Sunflowers
	0018 Rice	0043 Popcorn			0067 Dry Peas		0081 Soybeans
							0091 Barley
		<u>Field</u>	Record	Field	<u>Field</u>	<u>Field</u>	

0091							0091 Barley
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	<u>Rules</u>
	When Rate Method Code is Fixed, "F":	Current Year Base Rate	Internal		9999999999999999	Round to 8 decimals.	
= - Current Year Base Rate		Sub County Rate	ADM		99.9999	None	Edit with ADM Sub County Rate, "A01050".
	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":	Reference Rate	ADM		9.9999	None	Edit with ADM Base Rate, "A01010".
=	Otherwise: Current Year Rate Multiplier * Reference Rate + Fixed rate	Fixed Rate	ADM		9.9999	None	Edit with ADM Base Rate, "A01010".
	When Board and Gode to Street USI	Prior Year Base Rate	Internal		9999999999999999	Round to 8 decimals.	
=	When Rate Method Code is Fixed, "F": 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		9999.9999999	None	
	When Rate Method Code is Multiplicative, "M": Sub County Rate * (Prior Year Rate Multiplier * Prior Year Reference Rate + Prior Year Fixed Rate)	Prior Year Reference Rate	ADM		9.9999	None	Edit with ADM Base Rate, "A01010".
=	Otherwise: Prior Year Rate Multiplier * Prior Year Reference Rate + Prior Year Fixed rate	Prior Year Fixed Rate	ADM		9.9999	None	Edit with ADM Base Rate, "A01010".

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

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

 Commodity Code
 0011 Wheat
 0021 Cotton
 0047 Dry Beans
 0075 Peanuts

 Commodity Code
 0015 Canola
 0041 Corn
 0051 Grain Sorghum
 0078 Sunflowers

 0018 Rice
 0043 Popcorn
 0067 Dry Peas
 0091 Barley

		<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>	
	<u>Calculations</u>	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	<u>Rules</u>
		Current Year Base Premium Rate	Internal		99999999999999999		If Option Code "YE" or "TA" is applicable and the effective coverage level exceeds the highest coverage level for the offer in the ADM, see Section 23 for the Current Year Base Premium Rate calculation.
-	When Unit Structure Code is equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, "BU": Round(Current Year Base Rate * Rate Differential Factor *	Rate Differential Factor	ADM		9.99999999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 17 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), and "YE" (Yield Exclusion).
Current Year Base Premium Rate	Unit Residual Factor, 8)	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), and "YE" (Yield Exclusion) where Unit Structure Code equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, 'BU'.
=	When Unit Structure code is Enterprise Unit, "EU" or "EP": 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), and "YE" (Yield Exclusion) where Unit Structure Code equal to Enterprise Unit, 'EU' or 'EP'.
-	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), and "YE" (Yield Exclusion) where Unit Structure Code equal to Whole Farm Unit, 'WU'.

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

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999.999

9.999

9.999

Release Date: 9/21/2023

None

None

None

Edit with ADM Coverage Level Differential,

Edit with ADM Coverage Level Differential,

Edit with ADM Coverage Level Differential,

"A01040."

"A01040".

"A01040."

Insurance Plan Code 01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts **Commodity Code** 0051 Grain Sorghum 0015 Canola 0041 Corn 0078 Sunflowers 0018 Rice 0067 Dry Peas 0043 Popcorn 0081 Soybeans 0091 Barley **Field** Field <u>Field</u> Record <u>Field</u> Calculations Name Number Number **Format** Rounding Rules When previous year yield limitation code = '03' and Insurance Option Code List contains Yield Cup (YC): When Unit Structure Code is equal to Optional Unit, Prior Year Base Premium Rate Internal 9999999999999999 Round to 8 decimals. "OU", "UA", "UD", or Basic Unit, "BU": Prior Year Rate Differential Edit with ADM Coverage Level Differential, ADM 9.99999999 None "A01040." Factor

ADM

ADM

ADM

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Prior Year Unit Residual Factor

Prior Year Enterprise Unit

Prior Year Whole Farm Unit

Residual Factor

Residual Factor

Round(Prior Year Base Rate * 1.05 * Prior Year Rate

Round(Prior Year Base Rate * 1.05* Prior Year Rate

Differential Factor * Prior Year Enterprise Unit Residual

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

Prior Year Base Premium

9/19/2023

Rate

Factor, 8)

Factor, 8)

Differential Factor * Prior Year Unit Residual Factor, 8)

When Unit Structure code is Enterprise Unit, "EU" or "EP":

Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

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999.999

9.999

9.999

99999999999999999

999999999.9999

None

None

None

Round to 8 decimals.

Round to 4 decimals.

See Section 18 for Option Code "TA" (Trend

Adjustment), "YC" (Yield Cup), and "YE" (Yield Exclusion) where Unit Structure Code equal to

Optional Unit, "OU", "UA", "UD", or Basic Unit,

Edit with ADM Coverage Level Differential,

See Section 18 for Option Code "TA" (Trend

Edit with ADM Coverage Level Differential,

See Section 18 for Option Code "TA" (Trend

Adjustment), "YC" (Yield Cup), and "YE" (Yield Exclusion) where Unit Structure Code equal to

Enterprise Unit, 'EU' or 'EP'.

Whole Farm Unit. 'WU'.

Adjustment), "YC" (Yield Cup), and "YE" (Yield

Exclusion) where Unit Structure Code equal to

"A01040".

"A01040".

01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts **Commodity Code** 0051 Grain Sorghum 0015 Canola 0041 Corn 0078 Sunflowers 0018 Rice 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0091 Barley Field Record Field **Field** Field Rounding Calculations Name Number Number **Format** Rules Otherwise: When Unit Structure Code is equal to Optional Unit, 9999999999999999 Prior Year Base Premium Rate Internal Round to 8 decimals. "OU", "UA", "UD", or Basic Unit, "BU": Edit with ADM Coverage Level Differential, "A01040". Prior Year Rate Differential Round(Prior Year Base Rate * Prior Year Rate Differential ADM 9.99999999 None See Section 17 for Option code "TA" (Trend Factor Factor * Prior Year Unit Residual Factor, 8) Adjustment), "YC" (Yield Cup), and "YE" (Yield Exclusion). Edit with ADM Coverage Level Differential, "A01040".

ADM

ADM

ADM

P11

Internal

95

Prior Year Unit Residual Factor

Prior Year Enterprise Unit

Prior Year Whole Farm Unit

Residual Factor

Residual Factor

Base Premium Rate

Revenue Lookup Rate

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When Unit Structure code is Enterprise Unit, "EU" or "EP":

Round(Prior Year Base Rate * Prior Year Rate Differential

Factor * Prior Year Enterprise Unit Residual Factor, 8)

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)

MIN (Current Year Base Premium Rate, Prior Year Base

MIN(Current Year Base Rate, Prior Year Base Rate * 1.2,

Premium Rate * 1.2, .999)

0.9999)

Prior Year Base Premium

Base Premium Rate

Revenue Lookup Rate =

Rate

Reinsurance Year: 2018 Version: Ani

		Record Name: Acreage Record Code: P11			Version: Release Date:	Approved 9/21/2023	
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	n with Harvest Price Exclusion
<u>Commodity Code</u>	0011 Wheat 0015 Canola 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules
Section 4: Optional Coverage	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 Bate	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".
Additive Optional Rate 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), and "YE" (Yield Exclusion).
Multiplicative Optional	When Rate Method Code is Multiplicative, "M":	Multiplicative Optional Rate Adjustment Factor	Internal		999999.9999	Round to 4 decimals.	
Rate Adjustment Factor	∑ Option Rate1 * Option Rate2 * Option Rate3	Option Rate	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".
Section 5: Revenue Coverag	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 the will set the add on rate to 0 when the Price Volatility is 0. This condition MUST occur at some point in order to circumvent the Calculation of Preliminary Revenue Protection Add on Rate and Preliminary Revenue Protection with Harvest Price Exclusion Add on Rate, which contains a constraint that the add on rate be at least 1% greater than the base Premium Rate.						
		Lookup Rate	Internal		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.

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

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

 Commodity Code
 0011 Wheat
 0021 Cotton
 0047 Dry Beans
 0075 Peanuts

 Commodity Code
 0015 Canola
 0041 Corn
 0051 Grain Sorghum
 0078 Sunflowers

 0018 Rice
 0043 Popcorn
 0067 Dry Peas
 0091 Barley

0091 Barley									
	<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>				
<u>Calculations</u>	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	<u>Rules</u>			
	Adjusted Mean Quantity (AdjMean)	Internal		999999.99999999	Round to 8 decimals.				
Adjusted Mean Quantity = Approved Yield * Mean Quantity / 100	Approved Yield (AY)	P11	42	99999999.99	None	For APH Trend and Yield Exclusion, the Approved Yield will be the greater of the calculated approved yield and the adjusted yield. For skip row commodities, the approved yield is the converted approved yield from the P15 record with skip row (yield conversion factor) applied.			
	Mean Quantity	ADM		999.99999999	None	Edit with ADM Combo Revenue Factor, "A01030". Search the Combo Revenue Factor, "A01030" for the Mean Quantity using Lookup Rate.			
	Adjusted Standard Deviation Quantity (AdjStndDev)	Internal		99999999999999999	Round to 8 decimals.				
Adjusted Standard = Approved Yield * Standard Deviation Quantity / 100 Deviation Quantity	Approved Yield (AY)	P11	42	9999999.99		For APH Trend and Yield Exclusion, the Approved Yield will be the greater of the calculated approved yield and the adjusted yield.			
						For skip row cotton, the approved yield is the converted approved yield from the P15 record with skip row (yield conversion factor) applied.			
	Standard Deviation Quantity					Edit with ADM Combo Revenue Factor, "A01030".			
		ADM		999.99999999		Search the Combo Revenue Factor "A01030" for the Standard Deviation Quantity using Lookup Rate.			

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Exhibit Name: Premium Calculation

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

Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved Release Date: 9/21/2023

Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	n with Harvest Price Exclusion
Commodity Code	0011 Wheat 0015 Canola 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules
		log Mean Quantity (LnMean)	Internal		999999.9999999	Round to 8 decimals.	
LnMean	Ln(Projected Price or Contract Price) –	Projected Price	ADM		99999.9999		Edit with ADM Price, "A00810".
Linvicum	(Price Volatility Factor) ² / 2	Contract Price	P11	46	9999.9999	None	Contract price as addressed in Section 1, cappe 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 Offe "A00030" and the Beta "A01020" to obtain the applicable draws. There should be 500 draws (or sequence numbers) per Beta Id for every distinct Beta Id in the Insurance Offer ADM, "A00030".
Price Draw Quanity _{Sequence} _{Number}	For Sequence Number 1 to 500 = Price Draw Quantity	Price Draw Quantity	ADM		S99.999999999	None	Edit with ADM Beta, "A01020". Use the Beta ID field from ADM Insurance Offe "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

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

Insurance Plan Code 01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts 0051 Grain Sorghum **Commodity Code** 0041 Corn 0078 Sunflowers 0015 Canola 0018 Rice 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0091 Barley Field Record Field <u>Field</u> <u>Field</u> **Format Calculations** Name Number Number Rounding Rules Simulated Yield Protection Round to 12 Internal 999999999999999999 Losses Quantity (SimYPLosses) decimals. For APH Trend and Yield Exclusion, the Approved Yield will be the greater of the

500
Simulated Yield Protection = ∑ Round(MAX(0, AY * covlvl - Round(MAX(0, Yieldi * Losses Quantity i=1 AdjStndDev + AdjMean),12)), 12)

calculated approved yield and the adjusted Approved Yield (AY) P11 42 99999999.99 None For skip row commodities, the approved yield is the converted approved yield from the P15 record with skip row (yield conversion factor) For Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), and "YE" (Yield Exclusion) this will Coverage Level Percent be Effective Coverage Level Percent. See P14 34 9.9999 None (covlvl) Section 16 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), and "YE" (Yield Exclusion). Yield Draw Quantity, (Yield,) ADM 599.99999999 None

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Approved Yield (AY)

Coverage Level Percent

Yield Draw Quantity, (Yield,)

Projected Priced or Contract

Price (ProjPrice)

(covlvl)

Record Name: Acreage Record Code: P11 Reinsurance Year: 2018 Version: Approved Release Date: 9/21/2023

Insurance Plan Code 01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts **Commodity Code** 0051 Grain Sorghum 0015 Canola 0041 Corn 0078 Sunflowers 0018 Rice 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0091 Barley **Field** Field Field Record <u>Field</u> Rounding Calculations Name Number Number **Format** Rules Simulated Revenue Protection Round to 12 Internal 999999999999999999 Losses Quantity(SimRPLosses) decimals. For APH Trend and Yield Exclusion, the Approved Yield will be the greater of the calculated approved yield and the adjusted vield. 500

P11

P14

ADM

ADM

42

34

9999999.99

9.9999

599.99999999

99999.9999

None

None

None

None

For skip row commodities, the approved yield is

the converted approved yield from the P15

record with skip row (yield conversion factor)

For Option Code "TA" (Trend Adjustment), "YC"

(Yield Cup), and "YE" (Yield Exclusion) this will

Edit with ADM Price, "A00810". Contract Price

be Effective Coverage Level Percent. See

Section 16 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), and "YE" (Yield

Exclusion).

as addressed in Section 1.

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∑ Round(MAX(0, AY * covlvl * Round(MAX(ProjPrice,

Factor + LnMean),12)),12)),12) -

Factor + LnMean),12)), 12))),12)

Simulated Revenue

Protection Losses =

Quantity

 $\textbf{Round(MIN(2*ProjPrice, Round(e}^{(Price_{i}*Price \ Volatility}$

(Round(MAX(0, Yieldi * AdjStdDev + AdjMean),12)

 $\textbf{Round(MIN(2*ProjPrice, Round(e}^{(Price_i*Price Volatility}$

Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

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

30201.000	об 16 т оробии			2.7. 2.2		0091 Barley
<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules
	Simulated Revenue Protection with Harvest Price Exclusion Losses Quantity (SimRPhpeLosses)	Internal		99999999999999999999	Round to 12 decimals.	
Simulated Revenue \sum Round(MAX(0, AY * covlvl * ProjPrice - (Round(MAX(0, Protection with Harvest Price Exclusion Losses Quantity ProjPrice, Round(e ^(price) ; * Price Volatility Factor + LnMean), 12)),12)),12)	Approved Yield (AY)	P11	42	99999999.99	None	For APH Trend and Yield Exclusion, the Approved Yield will be the greater of the calculated approved yield and the adjusted yield. For skip row commodities, the approved yield is the converted approved yield from the P15 record with skip row (yield conversion factor) applied.
	Coverage Level Percent (covivi)	P14	34	9.9999	None	For Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), 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).
	Projected Priced or Contract Price (ProjPrice)	ADM		99999.9999	None	Edit with ADM Price, "A00810". Contract Price as addressed in Section 1.

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

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

 Commodity Code
 0011 Wheat
 0021 Cotton
 0047 Dry Beans
 0075 Peanuts

 Commodity Code
 0015 Canola
 0041 Corn
 0051 Grain Sorghum
 0078 Sunflowers

 0018 Rice
 0043 Popcorn
 0067 Dry Peas
 0081 Soybeans

	OUTO NICE	оо43 Рорсопі	0067 DIV Peas				0091 Barley		
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	Rules		
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), 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		999999.9999999	Round to 8 decimals.	For Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), 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), 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.		

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	with Harvest Price Exclusion	
Commodity Code	0011 Wheat 0015 Canola	0021 Cotton0047 Dry Beans0041 Corn0051 Grain Sorghum			0051 Grain Sorghum	0075 Peanuts 0078 Sunflowers		
	0018 Rice	0043 Popcorn			0067 Dry Peas	0081 Soybeans 0091 Barley		
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>	

Section 6: Historical Revenue Capping (Applicable only for Plans 02 and 03)

Note: This Section will not apply if record has a Written Agreement.

This section is for calculation the 2010 Revenue Assurance Optional Unit Level Base Premium Rate for coverage level percents 65 thru 85 where applicable. Then it is used in conjunction with the Base Premium Rate and Revenue Add On Rates to compute capped Revenue Add On Rates. This table is set up such that the only value that will change from year to year is the Commodity Year. By doing this we are fixing a point where the premium calculation method was changed and applying an exponential capping over time.

If there is NOT a corresponding row in the Historical Revenue Capping ADM, "A01110", then this calculation does not need to be performed. Furthermore, since coverage level percents 50, 55, 60 did not exist for Revenue Assurance (RA) historically capping does not need to be performed for those coverage level percents as well. If TA is applicable then this will be based on the TA Effective Coverage Level Percent. See next statement.

When TA and YE Option is selected, this section does not apply when the Effective Coverage Level is less than 65%.

Capping Yield Ratio = Rate Yield / Capping Reference Yield	Capping Yield Ratio	Internal		9.99	Round to 2 decimals.	Cup at 0.50 and Cap at 1.50.
	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".
	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	99999999.99	None	For skip row commodities, the rate yield is the converted rate yield from the P15 record with skip row (yield conversion factor) applied.
	Prior Capping Reference Yield	ADM		99999.99	INone	Edit with ADM Historical Revenue Capping, "A01110".

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018 Version: Approved Release Date: 9/21/2023

Insurance Plan Code	01 Yield Protection	02 Revenue I	Protection		03 Revenue Protection with Harvest Price Exclusion			
	0011 Wheat	0021 Cotton			0047 Dry Beans		0075 Peanuts	
Commodity Code	0015 Canola	0041 Corn			0051 Grain Sorghum		0078 Sunflowers	
	0018 Rice	0043 Popcor	n	0067 Dry Peas		67 Dry Peas 0081 Soybeans		
							0091 Barley	
			Field Record	Field	<u>Field</u>	<u>Field</u>		

	<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
		Capping Rate Multiplier	Internal		999999.9999999	Round to 8 decimals.	
Capping Rate Multiplier = Capping Yield Ratio ^Capping Exponent Value		Capping Exponent Value	ADM		S99.999	None	Edit with ADM Historical Revenue Capping, "A01110".
Prior Capping Rate		Prior Capping Rate Multiplier	Internal		999999.9999999	Round to 8 decimals.	
Multiplier	Prior Capping Rate Multiplier = Prior Capping Yield Ratio ^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".
	If Rate Method Code = Fixed "F":	Historical Prior Capping Base	Internal		999999.9999999	Round to 8 decimals.	
	Sub County Rate	Rate	internal		999999.9999999	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":						Edit with ADMA Historical Dayanya Canning
Su <u>C</u> a	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.	

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

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

		<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>	
	Calculations	<u>Name</u>	Number	Number	<u>Format</u>	Rounding	Rules
	When Unit Structure Code is equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, "BU":	Coverage Level Percent	P14	34	9.9999	None	For Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), 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).
Historical Revenue Protection Base Premium Rate	[beta0 Factor + Beta 1 Factor * Historical Basic Unit Base Rate + Beta 2 Factor * Historical Basic Unit Base Rate ^2 + Beta 3 Factor * Coverage Level Percent + Beta 4 Factor * Coverage Level Percent ^2 + Beta 5 Factor * Approved Yield / Capping Reference Yield + Beta 6 Factor * (Approved Yield / Capping Reference Yield)^2 + Beta 7 Factor * Price Volatility Factor + Beta 8 Factor * Price Volatility Factor^2 + Beta 9 Factor * Historical Basic Unit Base Rate * Coverage Level Percent + Beta 10 Factor * Historical Basic Unit Base Rate * Approved Yield / Capping Reference Yield + Beta 11 Factor * Historical Basic Unit Base Rate * Price Volatility Factor + Beta 12 Factor * Coverage Level Percent * Approved Yield / Capping Reference Yield +	Historical Revenue Protection Base Premium Rate	Internal		99999999999999999	Round each intermittent Beta * calculation to 8 decimals as it has been done historically.	
	Beta 13 Factor * Coverage Level Percent * Price Volatility Factor +	Beta O Factor - Beta 14 Factor	ADM		S99.99999999	None	Edit with ADM Historical Revenue Capping, "A01110".
	Beta 14 Factor * (Approved Yield / Capping Reference	Price Volatility Factor	ADM		9.99	None	Edit with ADM Price, "A00810".
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), and "YE" (Yield Exclusion).	
-	When Unit Structure Code is equal to Enterprise Unit, "EU" or "EP": 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), and "YE" (Yield Exclusion).

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved Release Date: 9/21/2023

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

		<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>	
	<u>Calculations</u>	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	<u>Rules</u>
	When Unit 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), and "YE" (Yield Exclusion).
Historical Revenue Protection with Harvest Price Exclusion Base Premium Rate	[beta0 Factor + Beta 1 Factor * Historical Basic Unit Base Rate + Beta 2 Factor * Historical Basic Unit Base Rate ^2 + Beta 3 Factor * Coverage Level Percent + Beta 4 Factor * Coverage Level Percent ^2 + Beta 5 Factor * Approved Yield / Capping Reference Yield + Beta 6 Factor * (Approved Yield / Capping Reference Yield)^2 + Beta 7 Factor * Price Volatility Factor + Beta 8 Factor * Price Volatility Factor^2 + Beta 9 Factor * Historical Basic Unit Base Rate * Coverage Level Percent + Beta 10 Factor * Historical Basic Unit Base Rate * Approved Yield / Capping Reference Yield + Beta 11 Factor * Historical Basic Unit Base Rate * Price Volatility Factor + Beta 12 Factor * Coverage Level Percent * Approved Yield /	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.	
	Capping Reference Yield + Beta 13 Factor * Coverage Level Percent * Price Volatility Factor + Beta 14 Factor * (Approved Yield / Capping Reference Yield) *	Beta O Factor - Beta 14 Factor	ADM		S99.99999999	None	Edit with ADM Historical Revenue Capping, "A01110".
	Price Volatility Factor] * Unit Residual Factor X 1.1	Price Volatility Factor	ADM		9.99	None	Edit with ADM Price, "A00810".
	,,,	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), and "YE" (Yield Exclusion).
=	When Unit Structure Code is equal to Enterprise Unit, "EU" or "EP": 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), and "YE" (Yield Exclusion).

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved Release Date: 9/21/2023

Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	n with Harvest Price Exclusion
Commodity Code	0011 Wheat 0015 Canola 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	<u>Rules</u>
Capped Revenue = Add On Rate, His Protection Add on Rate = Rate * 1.2^(Com		Capped Revenue Protection Add on Rate	Internal		99999999999999999	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	95	999999.9999999	None	
		Commodity Year	P14	10	CCYY	None	
		Capping Year	ADM		CCYY	None	Edit with ADM Historical Revenue Capping, "A01110".
Capped Revenue Protection with Harvest Price Exclusion Add on	MIN(Base Premium Rate + Preliminary Revenue Protection	Capped Revenue Protection with Harvest Price Exclusion Add on Rate	Internal		99999999999999999	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	94	999999.9999999	None	
		Commodity Year	P14	10	ССҮҮ	None	
		Capping Year	ADM		CCYY	None	Edit with ADM Historical Revenue Capping, "A01110".

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018 Version: Approved

Release Date: 9/21/2023 Record Code: P11 Insurance Plan Code 01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts **Commodity Code** 0051 Grain Sorghum 0015 Canola 0041 Corn 0078 Sunflowers 0018 Rice 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0091 Barley Field Record Field <u>Field</u> <u>Field</u> Number Calculations Name Number **Format** Rounding Rules 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. Section 7: Whole Farm Unit Base Premium Rate 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 Lookup Adjustment Factor Revenue Lookup Rate 9999999999.9999 Internal Round to 4 decimals. From Section 3. Revenue Lookup Adjustment Internal 9.9999999 None From Section 2. Factor Edit with ADM Combo Revenue Factor, "A01030". Mean Quantity commodityj ADM 999.99999999 None Search the Combo Revenue Factor, "A01030" Mean Quantity $_{commodityj} = \frac{1}{Rate}$ Rate $_{commodityj}$ Mean Quantity commodityj WHERE Lookup Rate commodityj = Base for the Mean Quantity, When the Lookup Rate = Base Rate Lookup Rate commodityi Internal 9.9999 None Edit with ADM Combo Revenue Factor, Base Rate commodityi ADM 9.9999 None "A01030".

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	n with Harvest Price Exclusion
Commodity Code	0011 Wheat 0015 Canola 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn	Record		0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas <u>Field</u>	<u>Field</u>	0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	Calculations	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	<u>Rules</u>
Standard Deviation Quantity _{commodityj}	Standard Deviation Quantity _{commodityj} WHERE Lookup Rate commodityj = Base Rate _{commodityj}	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 commodityj	= Approved Yield _{commodityj} * Mean Quantity _{commodityj} / 100	Approved Yield _{commodityj}	P11	42	999999999999	None	For APH Trend, Yield Cup, and Yield Exclusion, the Approved Yield will be the greater of the calculated approved yield and the adjusted yield. For skip row commodities, the approved yield is the converted approved yield from the P15 record with skip row (yield conversion factor) applied.
		Adjusted Standard Deviation Quantity _{commodityj}	Internal		9999999999999999	Round to 8 decimals.	
Adjusted Standard Deviation Quantity commodityj	Standard Deviation Quantity commodityj / 100	Approved Yield _{commodityj}	P11	42	999999999999	None	For APH Trend, Yield Cup, and Yield Exclusion, the Approved Yield will be the greater of the calculated approved yield and the adjusted yield. For skip row commodities, the approved yield is the converted approved yield from the P15 record with skip row (yield conversion factor) applied.

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

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

 Commodity Code
 0011 Wheat
 0021 Cotton
 0047 Dry Beans
 0075 Peanuts

 Commodity Code
 0015 Canola
 0041 Corn
 0051 Grain Sorghum
 0078 Sunflowers

 0018 Rice
 0043 Popcorn
 0067 Dry Peas
 0081 Soybeans

 0091 Barley

						0031 Daney
<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
	log Mean _{commodityj} (LnMean)	Internal		999999.99999999	Round to 8 decimals.	
in(i rojected i nee of contract i nee commodity) (i nee	Projected Price or Contract Price _{commodityj}	ADM		99999.9999		Edit with ADM Price, "A00810". Contract Price as addressed in Section 1.
	Price Volatility Factor _{commodityj}	ADM		9.99	None	Edit with ADM Price, "A00810".
Yield Draw Quantity = Yield Draw Quantity _{commodity} commodityj Sequence Number	Yield Draw Quantity	ADM		\$99.99999999		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 = Price Draw Quantity _{commodity} commodity) Sequence Number	Price Draw Quantity	ADM		\$99.99999999		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".

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved Release Date: 9/21/2023

Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protectio	n with Harvest Price Exclusion
Commodity Code	0011 Wheat 0015 Canola 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>
		Simulated Revenue Protection Losses Whole Farm (SimRPLossesWF)	Internal		999999999999999999999999999999999999999	Round to 12 decimals.	Simulated Revenue Protection Losses for All Commodity/Acreage report line in the Whole Farm Unit.
	Soo all Commodities ∑ Round(MAX(0,∑ Ay _{commodityj} * i=1 j= Acres	Coverage Level Percent _{commodityj} (covlvI)	P14	34	9.9999	None	For Option Code "TA" (Trend Adjustment), "YC" (Youp), and "YE" (Yield Exclusion) this will be Effecti Coverage Level Percent. See Section 16 for Optio Code "TA" (Trend Adjustment), "YC" (Yield Cup), a "YE" (Yield Exclusion).
Simulated Revenue Protection Losses Whole = Farm	Acres _{commodityj} * covIvI _{commodityj} * Round(MAX(ProjPrice _{commodityj} , Round(MIN(2 * ProjPrice _{commodityj} , Round(e ^(Pricecommodityj) ** Simulated Revenue Protection Losses Whole =	Approved Yield _{commodityj} (AY)	P11	42	9999999999999	None	Approved Yield for each Commodity/Acreage regline in the Whole Farm Unit. For APH Trend and Yield Exclusion, the Approved Yield will be the greater of the calculated approviyield and the adjusted yield. For skip row commodities, the approved yield is to converted approved yield from the P15 record wiskip row (yield conversion factor) applied.
	Round(Acres _{commodityj,12})), 12)	Reported Acreage _{commodityj} (Acres)	P11	48	999999.99	None	Reported Acreage must equal the sum of all Lan P27, Reported Acreage. Reported Acreage for each Commodity/Acreage report line in the Whole Farm Unit.

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

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Release Date: 9/21/2023

	Record Code:	P11			Release Date	: 9/21/2023	
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protecti	ion with Harvest Price Exclusion
Commodity Code	0011 Wheat 0015 Canola 0018 Rice	0041 Corn 0051			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
		<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>	
	Calculations	<u>Name</u>	Number	Number	<u>Format</u>	Rounding	Rules
Simulated Revenue Protection Losses Whole Farm	The sector-commodities Solution Specific Commodity Specific Commod	Projected Price or Contract Price _{commodityj} (ProjPrice)	ADM		99999.9999	None	Edit with ADM Price, "A00810". Projected Price or Contract Price for each Commodity/Acreage report line in the Whole Fari
(conntinued)	∑ Round(MAX(0,Round(Yield _{commodityji} * j=	Price Draw Quanity _{commodityj} i (Price)	ADM		S99.999999999	None	Price Draw Quantity for each Commodity /Acrea report line in the Whole Farm Unit.
	AdjStdDev _{commoditvi} + AdjMean _{commoditvi.12})),12) *	Price Volatility Factor _{commodityj}	Internal		999999.9999999	None	Price Volatility Factor for each Commodity/Acrea report line in the Whole Farm Unit.
	Round(Acres _{commodityj,12})), 12)	log Mean _{commodityj} (LnMean)	Internal		999999.99999999	None	Log Mean for each Commodity/Acreage report lithe Whole Farm Unit.
		Yield Draw Quantity _{commodityj} i (Yield)	ADM		S99.999999999	None	Yield Draw Quantity for each Commodity/Acreag report line in the Whole Farm Unit.
		Adjusted Standard Deviation Quantity _{commodityj} (AdjStnDev)	Internal		999999999999999999999999999999999999999	None	Adjusted Standard Deviation Quantity for each Commodity/Acreage report line in the Whole Far Unit.
		Adjusted Mean Quantity _{commodityj} (AdjMean)	Internal		999999.99999999	None	Adjusted Mean Quantity for each Commodity/Acreage report line in the Whole Far Unit.

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

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

Calculations	<u>Field</u> Name	Record Number	<u>Field</u> Number	<u>Field</u>	<u>Field</u> Rounding	Rules
Calculations	Simulated Revenue Protection Harvest Price Excluded Losses Whole Farm (SimRPhpeLossesWF)	Internal	Number	<u>Format</u> 99999999999999999999	Round to 12 decimals.	Simulated Revenue Protection Harvest Price Excluded Losses for All Commodity/Acreage report lines in the Whole Farm Unit.
500 all commodities	Coverage Level Percent _{commodityj} (covlvI)	P14	34	9.9999	None	For Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), 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).
$\sum_{i=1}^{N} \frac{\text{Round(MAX (0, }\sum_{covVVI_{commodityj}}^{N} * $	Approved Yield _{commodityj} (AY)	P11	42	99999999.99	None	Approved Yield for each Commodity/Acreage report line in the Whole Farm Unit. For APH Trend, Yield Cup, 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.
LnMeancommodityj),12)),12) * Round(Acres _{commodityj,12})), 12	Reported Acreage _{commodityj} (Acres)	P11	48	999999.99	None	Reported Acreage must equal the sum of all Land, P27, Reported Acreage. Reported Acreage for each Commodity/Acreage report line in the Whole Farm Unit.
	Projected Price or Contract Price _{commodityj} (ProjPrice)	ADM		99999.9999	None	Edit with ADM Price, "A00810". Projected Price or Contract Price (as addressed in Section 1) for each Commodity/Acreage report line in the Whole Farm Unit.

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

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	Record code.	. ==				• 9/21/2025	
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	on with Harvest Price Exclusion
Commodity Code	0011 Wheat 0015 Canola 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> Number	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	Rules
Simulated Revenue Protection Harvest Price	500 all commodities ∑ Round(MAX (0, ∑covlvl _{commodityj} * i=1 j= AY _{commodityj} * ProjPrice _{commodityj} * Acres _{commodityj} - all commodities ∑ Round(MAX(0, Round(Yield _{commodityjj} *	Yield Draw Quantity _{commodityj} i (Yield)	ADM		599.99999999	None	Yield Draw Quantity for each Commodity/Acreage report line in the Whole Farm Unit.
(continued)	j= AdjStdDev _{commodityj} + AdjMean _{commodityj,12})),12) *	Adjusted Standard Deviation Quantity _{commodityj} (AdjStnDev)	Internal		9999999999999999	None	Adjusted Standard Deviation Quantity for each Commodity/Acreage report line in the Whole Farn Unit.
	LnMeancommodityj),12)),12) * Round(Acres _{commodityj,12})), 12)	Adjusted Mean Quantity _{commodityj} (AdjMean)	Internal		999999.999999999	None	Adjusted Mean Quantity for each Commodity/Acreage report line in the Whole Farr Unit.
		Price Draw Quanity _{commodityj} i (Price)	ADM		\$99.99999999	None	Price Draw Quantity for each Commodity/Acreagoreport line in the Whole Farm Unit.
		Price Volatility Factor _{commodityj}	Internal		999999.9999999	None	Price Volatility Factor for each Commodity/Acrea report line in the Whole Farm Unit.
		log Mean _{commodityj} (LnMean)	Internal		999999.9999999	None	Log Mean for each Commodity/Acreage report lin the Whole Farm Unit.

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018 Version: Approved

Release Date: 9/21/2023

Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	n with Harvest Price Exclusion
Commodity Code	0011 Wheat 0015 Canola 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	<u>Rules</u>
	<u>SimRPLossesWF</u> 500	Coverage Level Percent _{commodityj} (covlvl)	P14	34	9.9999	None	For Option Code "TA" (Trend Adjustment), "Y((Yield Cup), 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).
Revenue Protection Whole Farm Rate	\(\sum_{\text{commodityj}} \times \text{AY}_{\text{commodityj}} \times \text{ProjPrice}_{\text{commodityj}} \times \\ j =	Revenue Protection Whole Farm Rate	Internal		999999999.9999999	Round to 8 decimals.	
	Acres _{commodityj})	Projected Price or Contract Price _{commodityj} (ProjPrice)	ADM		99999.9999	None	Edit with ADM Price, "A00810". Projected Price or Contract Price (as addresse in Section 1) for each Commodity/Acreage report line in the Whole Farm Unit.
	<u>SimRPhpeLossesWF</u> 500	Coverage Level Percent _{commodityj} (covlvl)	P14	34	9.9999	None	For Option Code "TA" (Trend Adjustment), "Y((Yield Cup), and "YE" (Yield Exclusion) this will be Effective Coverage Level Percent. See Section 16 for Option Code "TA" (Trend Adjustment) and "YE" (Yield Exclusion).
Revenue Protection with Harvest Price Exclusion : Whole Farm Rate	= 1000000000000000000000000000000000000	Revenue Protection with Harvest Price Exclusion Whole Farm Rate	Internal		9999999999999999	Round to 8 decimals.	
	Acres _{commodityj})	Projected Price or Contract Price _{commodityj} (ProjPrice)	ADM		99999.9999	None	Edit with ADM Price, "A00810". Projected Price or Contract Price (as addresse in Section 1) for each Commodity/Acreage report line in the Whole Farm Unit.
	equals Revenue Protection, "02": = Revenue Protection Whole Farm Rate	Whole Farm Base Premium Rate	Internal		9999999999999999	None	
03":	Revenue Protection with Harvest Price Exclusion, Revenue Protection with Harvest Price Exclusion Whole	Whole Farm Base Premium Rate	Internal		999999999.9999999	None	

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

	Record Code: P11			Release Date: 9/21/2023					
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	n with Harvest Price Exclusion		
Commodity Code	0011 Wheat 0015 Canola 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley		
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>		
Section 8: Premium Rate							The Premium Rate for ALL Unit Structures should be capped at .999 in the event various adjustments to the Base Premium Rate would cause it to exceed 1.0.		
When Unit Structure Code Premium Rate	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 Whole Farm including Prevented Planting), 8))	Premium Rate	Internal		99999999999999999	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.		
		Total Reported Acreage	Internal		99999999999	None	Total Reported Acreage for the Whole Farm including Prevented Planting.		
When Unit Structure Code Premium Rate	MIN(.999, Base Premium Rate * Unit Structure Discount = Factor * Multiplicative Optional Rate Adjustment Factor+ Additive Optional Rate Factor + Capped Revenue Add On Factor)	Premium Rate	Internal		999999999.9999999	Round to 8 decimals.	Set Capped Revenue Add On Factor as follows: If Insurance Plan Code equals 01, Capped Revenue Add On Factor will equal zero. If Unit Structure Code does not equal Whole Farm (WU), set Capped Revenue Add On Factor as follows: If Section 6 is applicable, Capped Revenue Add On Factor will equal Capped Revenue 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.		

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018 Version: Approved

Release Date: 9/21/2023 01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts **Commodity Code** 0051 Grain Sorghum 0015 Canola 0041 Corn 0078 Sunflowers 0018 Rice 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0091 Barley Field Record Field **Field** Field Calculations Name Number Number **Format** Rounding Rules Section 9: Total Premium Amount, Subsidy Amount, and Producer Premium Amount Round to whole **Preliminary Total Premium** 999999999 Internal number. Experience Factor is only applicable for **Experience Factor** P11 47 9.999 None Insurance Plan Code Yield Protection, "01". Use when the Approved Yield Had a Cup or Premium Liability Amount * Premium Rate * Experience Preliminary Total = Factor * Premium Surcharge Percent * Total Premium Surcharge applied. Premium Surcharge Percent Internal Multiplicative Optional Rate Adjustment Factor Does not apply when option "YC" is elected. Set If Option Rate with Rate Method Code equal Total Premium Multiplicative "T". Edit with ADM Option Rate, "A01060". Optional Rate Adjustment ADM 9.9999 None Currently this will be used for Short Rate Factor Option. Round to whole Total Premium Amount P11 93 999999999 number. Total Premium Amount = Preliminary Total Premium * Multiple Commodity Adjustment Factor Multiple Commodity Edit with ICE Multiple Cropping, "D00063". ICE 9999.999 None Adjustment Factor Used when there is a first Commodity Loss. If this record qualifies for Beginning Farmer and Round to whole Subsidy Amount P11 91 999999999 Rancher or Native Sod, see Section 18 for number. subsidy calculations. Subsidy Amount = Total Premium Amount * Subsidy Percent Subsidy Percent ADM 9.999 None Edit with ADM Subsidy Percent, "A00070". Producer Premium Amount - Subsidy Amount Amount - Subsidy Amount Round to whole **Producer Premium Amount** P11 94 999999999 number. Information (Approved Yield, Reported Acreage, Insured Share Percent) will be obtained from Cotton P11 record and Rate Yield from P15 Cottonseed Endorsement Option 'SE' record associated with the Cottonseed record. CAT does not apply to Plan 01 Cottonseed. Unit Structure Code 'WU' does not apply to Cottonseed.

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

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01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts **Commodity Code** 0051 Grain Sorghum 0015 Canola 0041 Corn 0078 Sunflowers 0018 Rice 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0091 Barley Field Record Field **Field** <u>Field</u> Calculations Name Number Number **Format** Rounding Rules Section 10: Liability Calculation Round to whole Modified Yield 99999999.99 Internal Number. From Cotton P11 record. Modified Yield = Approved Yield * Option Conversion Factor For skip row cotton, the approved yield is the Approved Yield P11 42 9999999.99 None 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". Round to whole Premium Guarantee Per Acre number. Premium Guarantee Per _ = Modified Yield * Coverage Level Percent Internal 99999999.99 Amount Coverage Level Percent P14 34 9.9999 None When Guarantee Adjustment Type Code equals Late Round to whole Planting, "L" OR Prevented Planting, "P": number. Guarantee Per Acre Amount Internal 99999999.99 Guarantee Per Acre _ Amount Edit with the Guarantee Adjustment ICE, Premium Guarantee Per Acre Amount * Guarantee P11 69 0.999 "D00068" or ADM Guarantee Adjustment, Guarantee Adjustment Factor None Adjustment Factor "A01220" for Prevented Planting. Cottonseed will equal the Projected Price from Price Election Amount Internal 9999.9999 None ADM regardless of Price Election Percent for Cotton Lint. Price Election Amount = Projected Price * Price Election Percent Projected Price ADM 99999.9999 ICE Price Election Percent 9.9999 None Will always be 1.000 for Cottonseed.

Internal

Internal

P11

48

9999999.99

9999.9999

9999999.99

Round to 2 decimals.

From Cotton P11 record.

None

None

Premium Total Guarantee

Price Election Amount

Reported Acreage

Amount

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Premium Total Guarantee _ Premium Guarantee Per Acre Amount * Price Election

Amount * Reported Acreage

Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

Insurance Plan Code 01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts **Commodity Code** 0051 Grain Sorghum 0015 Canola 0041 Corn 0078 Sunflowers 0018 Rice 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0091 Barley Field Field Record Field **Field** Calculations Name Number Number **Format** Rounding Rules **Total Guarantee Amount** P11 101 9999999.99 Round to 2 decimals. Guarantee Per Acre Amount * Price Election Amount * Total Guarantee Amount = Reported Acreage Price Election Amount Internal 9999.9999 None None Reported Acreage P11 48 999999.99 From Cotton P11 record. Round to whole 999999999 Premium Liability Amount Internal Premium Liability Amount = Premium Total Guarantee Amount * Insured Share Percent number. 43 None Insured Share Percent P11 9.9999 From Cotton P11 record. Round to whole Liability Amount P11 92 999999999 Liability Amount = Total Guarantee Amount * Insured Share Percent number. **Insured Share Percent** P11 43 9.9999 None From Cotton P11 record. 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 is elected, see section 24 for the current year base premium rate calculation Premium Rate Internal 9999999999999999 Round to 8 decimals. when the Effective Coverage Level exceeds the MIN(.999, Base Premium Rate * Unit Structure Discount MAX ADM 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 999999.9999 Internal Adjustment Factor

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

	Record Code: P11 Release Date: 9/21/2023						
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protectio	n with Harvest Price Exclusion
					0047 Dry Beans		0075 Passault
Commodity Code	0011 Wheat 0015 Canola	0021 Cotton 0041 Corn			0051 Grain Sorghum		0075 Peanuts 0078 Sunflowers
commodity code	0013 Candia 0018 Rice	0043 Popcorn			0067 Dry Peas		0081 Soybeans
	OUTS MICE	0043 F OPCOITI			0007 Dry reas		0091 Barley
		Field	Record	Field	Field	Field	
	Calculations	<u>Name</u>	Number	Number	<u>Format</u>	Rounding	<u>Rules</u>
ection 12: 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					Does not apply when option "YC" is elected. S to 1.00.	
Total Premium Amount	Preliminary Total Premium * Multiple Commodity	Total Premium Amount	P11	93	999999999	Round to whole number.	
Adjustment Factor	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".	
Subsidy Amount = Total Premium Amount * Subsidy Percent	Subsidy Amount	P11	91	999999999	Round to whole number.	If this record qualifies for Beginning Farmer a 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.	
PH Yield Trend (Trend Ad cclusion (Option 'YE')	justment Option 'TA'), Yield Cup (Option 'YC') and Yield						Trend Adjustment Option (TA), Yield Cup Opt (YC), and Yield Exclusion Option (YE) ONLY available in select counties for selected crops See "white papers" for examples.
ection 13: Effective Cover	rage Level Calculation						
hen Commodity Code eq	uals Dry Beans "0047" and Type Code equals Contract "62", o	r Commodity Code equals Dry F	eas "0067"	and Type	Code equals Spring Contra	ct "98":	
		Effective Coverage Level Percent	Internal		99.9999	Round to 2 decimals.	
		Coverage Level Percent	P14	34	9.9999	None	
Effective Coverage Level = Coverage Level Percent * Round(Approved Yield * Contract Percent = Price,0) / Adjusted Yield	Approved Yield	P11	42	99999999999	None	For APH Trend, Yield Cup, and Yield Exclusion the Approved Yield will be the greater of the calculated Approved Yield and the Adjusted Yield.	
Percent							ricia.
Percent		Contract Price	P11	46	9999.9999	None	Tield.

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Exhibit Name: Premium Calculation

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

Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved Release Date: 9/21/2023

	necora coa		110.0000 54101 5/21/2025				
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protectio	n with Harvest Price Exclusion
Commodity Code	0011 Wheat 0015 Canola	0021 Cotton 0041 Corn			0047 Dry Beans 0051 Grain Sorghum		0075 Peanuts 0078 Sunflowers
estimounty code	0018 Rice	0043 Popcorn			0067 Dry Peas		0081 Soybeans 0091 Barley
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	Field Number	<u>Field</u> <u>Format</u>	Field Rounding	Rules
For all others:			•	•			
		Effective Coverage Level Percent	Internal		99.9999	Rounded to 2 decimal places.	
		Coverage Level Percent	P14	34	9.9999	None	
Effective Coverage Level Percent	l = Coverage Level Percent * Approved Yield/Adjusted Yield t	Approved Yield	P11	42	99999999.99	None	For APH Trend, Yield Cup, and Yield Exclusion, the Approved Yield will be the greater of the calculated approved yield and the adjusted yield. For skip row commodities, the approved yield the converted approved yield from the P15 record with skip row (yield conversion factor) applied.
		Adjusted Yield	P15	44	99999999.99	None	For skip row commodities, the adjusted yield i the converted adjusted yield from the P15 record with skip row (yield conversion factor) applied.

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Record Code: P11

Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

	Record Code: P11			Release Date: 9/21/2023				
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	on with Harvest Price Exclusion	
Commodity Code	0011 Wheat 0015 Canola 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley	
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules	
ection 14: Rate Differenti	al Factor						When Trend Adjustment Option (TA) was chosen and yield reflects a trend or when Yiel Cup Option "YC" was chosen or when Yield Exclusion Option "YE" was chosen.	
hen the Insurance Option	n Code List contains Options "YE" or "YC":							
		Rate Differential Factor	Internal		9.99999999	Round to 9 decimal places		
	(4. (DOLIND IMIN) / / IMAY (0.05 Effective Coverses	Base Rate Differential Factor	ADM		9.99999999	None	Base Rate Differential Factor is equal to Rate Differential for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effectiv Coverage Level. Edit with ADM Coverage Le Differential, "A01040".	
Rate Differential Factor	(1+ (ROUND (MIN (((MAX (0.85,Effective Coverage Level Percent) -0.85) / 0.15) ,1) ³ ,7)) * 0.05) * (Round(Base Rate Differential Factor + (Upper Bound Rate Differential Factor - Lower Bound Rate Differential Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 9))	Upper Bound Rate Differential Factor	ADM		9.99999999	None	Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will b based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will based on the higher ADM Coverage Level. If the Effective Coverage Level is greater tha the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.	

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Record Name: Acreage Record Code: P11

Reinsurance Year: 2018

Version: Approved Release Date: 9/21/2023

Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	on with Harvest Price Exclusion
Commodity Code	0011 Wheat 0015 Canola	0021 Cotton 0041 Corn			0047 Dry Beans 0051 Grain Sorghum		0075 Peanuts 0078 Sunflowers
<u>commodity code</u>	0018 Rice	0043 Popcorn			0067 Dry Peas		0081 Soybeans 0091 Barley
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules
		Lower Bound Rate Differential	ADM		0.00000000	Maria	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

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

Percent) * 20, 9))

ADM 9.99999999 None Factor between existing ADM Coverage Levels then this will be based on the lower ADM Coverage Level. If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level. Effective Coverage Level Internal 99.9999 None Percent Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be the Effective Coverage Level Percent. Floored Effective Coverage Internal 99.9999 If the Effective Coverage Level Percent falls None Level Percent between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level Percent is greater

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

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

Insurance Plan Code 01 Yield Protection 02 Revenue Protection 03 Revenue Protection 03 Revenue Protection 05 Revenue Protection 05 Revenue Protection 06 Revenue Protection 07 R

 Commodity Code
 0011 Wheat
 0021 Cotton
 0047 Dry Beans
 0075 Peanuts

 Commodity Code
 0015 Canola
 0041 Corn
 0051 Grain Sorghum
 0078 Sunflowers

 0018 Rice
 0043 Popcorn
 0067 Dry Peas
 0081 Soybeans

 0091 Barley

	<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>	
<u>Calculations</u>	<u>Name</u>	Number	<u>Number</u>	<u>Format</u>	Rounding	<u>Rules</u>
	Prior Year Rate Differential Factor	Internal		9.99999999	Round to 9 decimal places.	
Round(Base Prior Year Rate Differential Factor + (Upper Bound Prior Year Rate Differential Factor - Lower Bound Prior Year Rate Differential Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 9)	Base Prior Year Rate Differential Factor	ADM		9.99999999	None	Base Prior Year Rate Differential Factor is equal to Prior Year Rate Differential for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040".
	Upper Bound Prior Year Rate Differential Factor	ADM		9.99999999	None	Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.
	Lower Bound Prior Year Rate Differential Factor	ADM		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.

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Exhibit Name: Premium Calculation

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

Record Name: Acreage
Record Code: P11

Reinsurance Year: 2018

99.9999

None

Version: Approved Release Date: 9/21/2023

Based on the 'floored' Coverage Level. Edit with

ADM Coverage Level Differential, "A01040".

If the Effective Coverage Level Percent equals

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.

the Effective Coverage Level Percent.

an existing ADM Coverage Level then this will be

Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	with Harvest Price Exclusion
	0011 Wheat	0021 Cotton			0047 Dry Beans		0075 Peanuts
Commodity Code	0015 Canola	0041 Corn			0051 Grain Sorghum		0078 Sunflowers
	0018 Rice	0043 Popcorn			0067 Dry Peas		0081 Soybeans
							0091 Barley
		<u>Field</u>	Record	Field	<u>Field</u>	<u>Field</u>	
	Calculations	<u>Name</u>	Number	Number	<u>Format</u>	Rounding	<u>Rules</u>
		Effective Coverage Level Percent	Internal		99.9999	None	
						l	

Internal

Floored Effective Coverage

Level Percent

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Round(Base Prior Year Rate Differential Factor + (Upper

Prior Year Rate Bound Prior Year Rate Differential Factor - Lower Bound

(continued) Level Percent - Floored Effective Coverage Level Percent) *

Differential Factor = Prior Year Rate Differential Factor) * (Effective Coverage

20, 9)

Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved Release Date: 9/21/2023

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

 Commodity Code
 0011 Wheat
 0021 Cotton
 0047 Dry Beans
 0075 Peanuts

 Commodity Code
 0015 Canola
 0041 Corn
 0051 Grain Sorghum
 0078 Sunflowers

 0018 Rice
 0043 Popcorn
 0067 Dry Peas
 0081 Soybeans

0010 Hitc	обчо горсоні			ooo, biy i cas		0091 Barley				
<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	<u>Rules</u>				
When Trend Adjustment Option "TA" is elected alone (excludes "YC" and "YE")	/hen Trend Adjustment Option "TA" is elected alone (excludes "YC" and "YE")									
	Rate Differential Factor	Internal		9.99999999	Round to 9 decimal places					
Round(Base Rate Differential Factor + (Upper Bound Rate Differential Factor - Lower Bound Rate Differential Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 9)	Base Rate Differential Factor	ADM		9.99999999	None	Base Rate Differential Factor is equal to Rate Differential for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040".				
	Upper Bound Rate Differential Factor	ADM		9.99999999	None	Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.				

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved Release Date: 9/21/2023

Insurance Plan Code 01 Yield Protection 02 Revenue Protection 03 Revenue Protection 03 Revenue Protection 05 Revenue Protection 05 Revenue Protection 06 Revenue Protection 07 R

 Commodity Code
 0011 Wheat
 0021 Cotton
 0047 Dry Beans
 0075 Peanuts

 Commodity Code
 0015 Canola
 0041 Corn
 0051 Grain Sorghum
 0078 Sunflowers

 0018 Rice
 0043 Popcorn
 0067 Dry Peas
 0081 Soybeans

ooto nice	0007 Dry reas			0007 Dry reas	0091 Barley		
	<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>		
<u>Calculations</u>	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	<u>Rules</u>	
Round(Base Rate Differential Factor + (Upper Bound Rate	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.	
Rate Differential Factor _ Differential Factor - Lower Bound Rate Differential Factor) *	Effective Coverage Level Percent	Internal		99.9999	None		
(continued) (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 9)	Floored Effective Coverage Level Percent	Internal		99.9999	None	Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be the Effective Coverage Level Percent. If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level.	

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

Insurance Plan Code	01 Yield Protection	02 Revenue Protection		03 Revenue Protection with Harvest Price Exclusion
	0011 Wheat	0021 Cotton	0047 Dry Beans	0075 Peanuts

 Commodity Code
 0011 Wheat
 0021 Cotton
 0047 Dry Beans
 0075 Peanuts

 Commodity Code
 0015 Canola
 0041 Corn
 0051 Grain Sorghum
 0078 Sunflowers

 0018 Rice
 0043 Popcorn
 0067 Dry Peas
 0081 Soybeans

 0091 Barley

<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	<u>Rules</u>
	Prior Year Rate Differential Factor	Internal		9.99999999	Round to 9 decimal places.	
	Base Prior Year Rate Differential Factor	ADM		9.99999999	None	Base Prior Year Rate Differential Factor is equal to Prior Year Rate Differential for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040".
Prior Year Rate Differential Factor Prior Year Rate Differential Factor Prior Year Rate Differential Factor Prior Year Rate Differential Factor - Lower Bound Prior Year Rate Differential Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 9)	Upper Bound Prior Year Rate Differential Factor	ADM		9.99999999	None	Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

Insurance Plan Code 01 Yield Protection 02 Revenue Protection 03 Revenue Protection 03 Revenue Protection 05 Revenue Protection 05 Revenue Protection 06 Revenue Protection 07 Revenue Protection 07 Revenue Protection 08 Revenue Protection 09 R

 Commodity Code
 0011 Wheat
 0021 Cotton
 0047 Dry Beans
 0075 Peanuts

 Commodity Code
 0015 Canola
 0041 Corn
 0051 Grain Sorghum
 0078 Sunflowers

 0018 Rice
 0043 Popcorn
 0067 Dry Peas
 0081 Soybeans

 0091 Barley

0091 Barley							
	<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>		
<u>Calculations</u>	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	<u>Rules</u>	
Round(Base Prior Year Rate Differential Factor + (Upper	Lower Bound Prior Year Rate Differential Factor	ADM		9.99999999	None	Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level.	
Prior Year Rate Bound Prior Year Rate Differential Factor - Lower Bound Differential Factor = Prior Year Rate Differential Factor) * (Effective Coverage (continued) Level Percent - Floored Effective Coverage Level Percent) *	Effective Coverage Level Percent	Internal		99.9999	None		
(continued) Level Percent - Floored Effective Coverage Level Percent) * 20, 9)	Floored Effective Coverage Level Percent	Internal		99.9999	None	Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be the Effective Coverage Level Percent. If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level.	

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Record Name: Acreage

Reinsurance Year: 2018 Version: Approved

Release Date: 9/21/2023 Record Code: P11 01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts **Commodity Code** 0051 Grain Sorghum 0015 Canola 0041 Corn 0078 Sunflowers 0018 Rice 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0091 Barley Field Record Field **Field** Field Calculations Name Number Number **Format** Rounding Rules The lookup/interpolation/extrapolation procedure for 'Unit Residual Factor and Prior Unit Residual Factor' when Trend Adjustment Section 15: Unit Residual Factor Option (TA) was chosen and yield reflects a trend or when Yield Cup Option was chosen or when Yield Exclusion Option "YE" was chosen. When Unit Structure Code is equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, "BU", use the following calculations for Unit Residual Factor and Prior Year Unit Residual Factor: The cap value for the Residual Factors is the MAX(Residual Factor) from all coverage levels Round to 3 decimal Unit Residual Factor Internal 999.999 within the chosen unit structure regardless of places. Coverage Type Code where applicable (Buyup/CAT). Base Unit Residual Factor is equal to Unit Residual for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level Base Unit Residual Factor ADM 999.999 None less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040". Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, Round(Base Unit Residual Factor + (Upper Bound Unit "A01040". Residual Factor - Lower Bound Unit Residual Factor) * If the Effective Coverage Level Percent equals Unit Residual Factor = (Effective Coverage Level Percent - Floored Effective an existing ADM Coverage Level then this will be Coverage Level Percent) * 20, 3) based on the Effective Coverage Level Percent. Upper Bound Unit Residual If the Effective Coverage Level Percent falls ADM 999,999 None Factor 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.

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

Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved Release Date: 9/21/2023

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

OOLD NICE	оочэ г орсотт			ooo7 bry r cas		0091 Barley
<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules
	Lower Bound 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.
Round(Base Unit Residual Factor + (Upper Bound Unit Unit Residual Factor = Residual Factor - Lower Bound Unit Residual Factor) * (continued) (Effective Coverage Level Percent - Floored Effective	Effective Coverage Level Percent	Internal		99.9999	None	
Coverage Level Percent) * 20, 3)	Floored Effective Coverage Level Percent	Internal		99.9999	None	Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be the Effective Coverage Level Percent. If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level.

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Record Name: Acreage Record Code: P11

Reinsurance Year: 2018 Version: Approved

Release Date: 9/21/2023

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

0047 Dry Beans 0075 Peanuts 0011 Wheat 0021 Cotton **Commodity Code** 0051 Grain Sorghum 0015 Canola 0041 Corn 0078 Sunflowers 0067 Dry Peas 0018 Rice 0043 Popcorn 0081 Soybeans 0091 Barley

						0031 Barrey
	<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>	
<u>Calculations</u>	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	<u>Rules</u>
	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".
	Upper Bound Prior Year Unit Residual Factor	ADM		999.999		Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

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

				,		0091 Barley
<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	<u>Rules</u>
Prior Year Unit Residual Round(Base Prior Year Unit Residual Factor + (Upper Boun	Lower Bound Prior Year Unit Residual Factor	ADM		999.999	None	Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level.
Factor = Unit Residual Factor - Lower Bound Prior Year Unit Residual Factor) * (Effective Coverage Level Percent -	Effective Coverage Level Percent	Internal		99.9999	None	
(continued) Unit Residual Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 3)	Floored Effective Coverage Level Percent	Internal		99.9999	None	Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level.

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

	Record Code:	: P11			Release Date	: 9/21/2023	
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protection	on with Harvest Price Exclusion
Commodity Code	0011 Wheat 0015 Canola 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	Calculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> Number	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	<u>Rules</u>
Vhen Unit Structure Code	is equal to Enterprise Unit, 'EU' or 'EP', use the following calc	ulations for Enterprise Unit Resi	dual Factor	and Prior	Year Enterprise Unit Resid	ual Factor:	
		Enterprise Unit Residual Factor	Internal		999.999	Round to 3 decimal places.	The cap value for the Residual Factors is the MAX(Residual Factor) from all coverage levels within the chosen unit structure
		Base Enterprise Unit Residual Factor	ADM		999.999	None	Base Enterprise Unit Residual Factor is equal t 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)	Upper Bound Enterprise Unit Residual Factor	ADM		999.999	None	Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will based on 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 greathan the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

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

	<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>	oosi Buricy
<u>Calculations</u>	<u>Name</u>	Number	Number	<u>Format</u>	Rounding	<u>Rules</u>
Round(Base Enterprise Unit Residual Factor + (Upper Bound	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.
Factor = Unit Residual Factor - Lower Bound Enterprise Factor = Unit Residual Factor) * (Effective Coverage Level Percent -	Effective Coverage Level Percent	Internal		99.9999	None	
(continued) 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.

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

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

 Commodity Code
 0011 Wheat
 0021 Cotton
 0047 Dry Beans
 0075 Peanuts

 Commodity Code
 0015 Canola
 0041 Corn
 0051 Grain Sorghum
 0078 Sunflowers

 0018 Rice
 0043 Popcorn
 0067 Dry Peas
 0081 Soybeans

0091 Barley								
Calculations	<u>Field</u> Name	Record Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules		
Round(Base Enterprise Prior Year Unit Residual Factor +	Prior Year Enterprise Unit Residual Factor	Internal	Number	999.999	Round to 3 decimal places.	The cap value for the Residual Factors is the MAX(Residual Factor) from all coverage levels within the chosen unit structure		
	Base Enterprise Prior Year Unit Residual Factor	ADM		999.999	None	Base Enterprise Prior Year Unit Residual Factor is equal to Enterprise Prior Year Unit Residual for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040".		
Prior Year Enterprise Unit Residual Factor 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.		

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018 Version: Approved Release Date: 9/21/2023

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

 Commodity Code
 0011 Wheat
 0021 Cotton
 0047 Dry Beans
 0075 Peanuts

 Commodity Code
 0015 Canola
 0041 Corn
 0051 Grain Sorghum
 0078 Sunflowers

 0018 Rice
 0043 Popcorn
 0067 Dry Peas
 0091 Barley

0091 Barley							
	<u>Field</u>	Record	Field	<u>Field</u>	<u>Field</u>		
<u>Calculations</u>	<u>Name</u>	Number	Number	<u>Format</u>	Rounding	<u>Rules</u>	
Round(Base Enterprise Prior Year Unit Residual Factor + Prior Year Enterprise Unit (Upper Bound Prior Year Enterprise Unit Residual Factor -	Lower Bound Prior Year Enterprise Unit Residual Factor	ADM		999.999	None	Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level.	
Residual Factor = Lower Bound Prior Year Enterprise Unit Residual Factor) *	Effective Coverage Level Percent	Internal		99.9999	None		
(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 equals an existing ADM Coverage Level then this will be the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level.	

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

	Record Code	: PII			Release Date	. 9/21/2023	
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protectio	n with Harvest Price Exclusion
Commodity Code	0011 Wheat 0015 Canola 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	Field Number	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	<u>Rules</u>
/hen Unit Structure Code	is equal to Whole Farm Unit, 'WU', use the following calculat	ions for Whole Farm Unit Resid	ual Factor a	nd Prior Y	ear Whole Farm Unit Resid	ual Factor:	
		Whole Farm Unit Residual Factor	Internal		999.999	Round to 3 decimal places.	The cap value for the Residual Factors is the MAX(Residual Factor) from all coverage levels within the chosen unit structure
		Base Whole Farm Unit Residual Factor	ADM		999.999	None	Base Whole Farm Unit Residual Factor is equal to Whole Farm Unit Residual for Minimum of Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040".
Vhole 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 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 great than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved Release Date: 9/21/2023

Insurance Plan Code	01 Yield Protection	02 Revenue Protection	03 Revenue Protection with Harvest Price Exclusion
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 Commodity Code
 0011 Wheat
 0021 Cotton
 0047 Dry Beans
 0075 Peanuts

 Commodity Code
 0015 Canola
 0041 Corn
 0051 Grain Sorghum
 0078 Sunflowers

 0018 Rice
 0043 Popcorn
 0067 Dry Peas
 0091 Barley

		0091 Barley					
<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>	
	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 Bound Whole Farm Unit Residual Factor - Lower Bound Factor = Whole Farm Unit Residual Factor) * (Effective Coverage	Effective Coverage Level Percent	Internal		99.9999	None		
(continued) Level Percent - Floored Effective Coverage Level Percent) * 20, 3)	Floored Effective Coverage Level Percent	Internal		99.9999	None	Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be the Effective Coverage Level Percent. If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level.	

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Record Name: Acreage
Record Code: P11

Reinsurance Year: 2018 Version: Approved

Record Code: P11 Release Date: 9/21/2023

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

00	018 Rice	0043 Popcorn			0067 Dry Peas		0081 Soybeans 0091 Barley
<u>Ca</u>	alculations	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules
		Prior Year 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 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".	
Prior Year Whole Farm = (U Unit Residual Factor = Lc (E	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 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.
Unit Residual Factor = Lc (continued)	ound(base whole running hear office residual ractor)	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	

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Exhibit Name: Premium Calculation

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

Record Name: Acreage Record Code: P11

Reinsurance Year: 2018

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> 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	01 Yield Protection	02 Revenue Protection				03 Revenue Protectio	n with Harvest Price Exclusion	
Commodity Code	0011 Wheat 0015 Canola 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn	0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas			0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley		
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules	
Prior Year Whole Farm Unit Residual Factor (continued)	= Lower Bound Prior Year Whole Farm Unit Residual 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.	

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018
Version: Appro

Version: Approved
Release Date: 9/21/2023

	Record Code:	P11	Release Date: 9/21/2023			: 9/21/2023		
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protectio	n with Harvest Price Exclusion	
Commodity Code	0011 Wheat 0015 Canola 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley	
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>	
Section 15: Unit Discount	Calculation						The lookup/interpolation/extrapolation procedure for 'Optional Unit Discount Factor, Basic Unit Discount Factor, and Enterprise Unit Discount Factor' when Trend Adjustment Option (TA), Yield Cup Option (YC), or Yield Exclusion Option (YE) was chosen and yield reflects a trend.	
When Unit Structure Code	e is equal to Optional Unit, "OU", "UA", or "UD", use the follow	ring calculation for Unit Structu	re Discount	Factor:				
		Unit Structure Discount Factor	Internal		9.99999999	Round to 4 decimal places.	Capped at 1.0	
		Base Coverage Level Percent Optional Unit Discount Factor	ADM		9.99999999	None	Base Coverage Level Percent Optional Unit Discount Factor is equal to Percent Optional Discount for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040".	
Unit Structure Discount Factor	= Unit Discount Factor - Lower Round Coverage Level Percent		ADM		9.99999999	None	Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.	

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved Release Date: 9/21/2023

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

 Commodity Code
 0011 Wheat
 0021 Cotton
 0047 Dry Beans
 0075 Peanuts

 Commodity Code
 0015 Canola
 0041 Corn
 0051 Grain Sorghum
 0078 Sunflowers

 0018 Rice
 0043 Popcorn
 0067 Dry Peas
 0081 Soybeans

0091 Barley								
	<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>			
<u>Calculations</u>	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	<u>Rules</u>		
Round(Base Coverage Level Percent Optional Unit Discount Unit Structure Discount Factor + (Upper Bound Coverage Level Percent Optional	Lower Bound Coverage Level Percent Optional Unit Discount Factor	ADM		9.99999999	None	Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level.		
Factor = Unit Discount Factor - Lower Bound Coverage Level Percent	Effective Coverage Level Percent	Internal		99.9999	None			
Percent - Floored Effective Coverage Level Percent) * 20, 4)	Floored Effective Coverage Level Percent	Internal		99.9999	None	Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level.		

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

0091 Barley

Insurance Plan Code 01 Yield Protection 02 Revenue Protection 03 Revenue Protection 03 Revenue Protection 05 Revenue Protection 05 Revenue Protection 06 Revenue Protection 07 R

 Commodity Code
 0011 Wheat
 0021 Cotton
 0047 Dry Beans
 0075 Peanuts

 Commodity Code
 0015 Canola
 0041 Corn
 0051 Grain Sorghum
 0078 Sunflowers

 0018 Rice
 0043 Popcorn
 0067 Dry Peas
 0081 Soybeans

	<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>	
<u>Calculations</u>	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	<u>Rules</u>
When Unit Structure Code is equal to Basic Unit, 'BU', use the following calculation for U	nit Structure Discount Factor:					
	Unit Structure Discount Factor	Internal		9.99999999	Round to 4 decimal places.	Capped at 1.0
	Base Coverage Level Percent Basic Unit Discount Factor	ADM		9.99999999	None	Base Coverage Level Percent Basic Unit Discount Factor is equal to Basic Unit Discount Factor for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040".
	Upper Bound Coverage Level Percent Basic Unit Discount Factor	ADM		9.99999999	None	Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved Release Date: 9/21/2023

Insurance Plan Code 01 Yield Protection 02 Revenue Protection 03 Revenue Protection 03 Revenue Protection 05 Revenue Protection 05 Revenue Protection 06 Revenue Protection 07 R

 Commodity Code
 0011 Wheat
 0021 Cotton
 0047 Dry Beans
 0075 Peanuts

 Commodity Code
 0015 Canola
 0041 Corn
 0051 Grain Sorghum
 0078 Sunflowers

 0018 Rice
 0043 Popcorn
 0067 Dry Peas
 0081 Soybeans

						0091 Barley
	<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>	
<u>Calculations</u>	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	<u>Rules</u>
Round(Base Coverage Level Percent Basic Unit Discount Unit Structure Discount Factor + (Upper Bound Coverage Level Percent Basic Unit	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.
Factor = Discount Factor - Lower Bound Coverage Level Percent (continued) Basic Unit Discount Factor) * (Effective Coverage Level	Effective Coverage Level Percent	Internal		99.9999	None	
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. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level.

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved Release Date: 9/21/2023

<u>Insurance Plan Code</u> 01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion

 Commodity Code
 0011 Wheat
 0021 Cotton
 0047 Dry Beans
 0075 Peanuts

 Commodity Code
 0015 Canola
 0041 Corn
 0051 Grain Sorghum
 0078 Sunflowers

 0018 Rice
 0043 Popcorn
 0067 Dry Peas
 0081 Soybeans

00431 opcom 00431 opcom 0007 bry 1 cus 0007 bry 1 cus 0001 bry 1 c

0091 Barley								
	<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>			
<u>Calculations</u>	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	<u>Rules</u>		
When Unit Structure Code is equal to Enterprise Unit, 'EU' or 'EP', use the following calc	ulation for Unit Structure Discou	ınt Factor:						
Round(Base Coverage Level Percent Enterprise Unit Discount Factor + (Upper Bound Coverage Level Percent Unit Structure Discount Factor = Enterprise Unit Discount Factor - Lower Bound Coverage Level Percent Enterprise Unit Discount Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 4)	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".		
	Upper Bound Coverage Level Percent Enterprise Unit Discount Factor	ADM		9.99999999	None	Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.		

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Record Name: Acreage Record Code: P11

Reinsurance Year: 2018 Version: Approved

99.9999

None

Release Date: 9/21/2023

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

If the Effective Coverage Level falls between

existing ADM Coverage Levels then this will be

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

the Effective Coverage Level.

the lower ADM Coverage Level.

Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protect	ion with Harvest Price Exclusion
	0011 Wheat	0021 Cotton			0047 Dry Beans		0075 Peanuts
Commodity Code	0015 Canola	0041 Corn			0051 Grain Sorghum		0078 Sunflowers
	0018 Rice	0043 Popcorn			0067 Dry Peas		0081 Soybeans 0091 Barley
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	<u>Rules</u>
	Round(Base Coverage Level Percent Enterprise Unit	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 based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will based on the lower ADM Coverage Level. If the Effective Coverage Level is greater that the maximum ADM Coverage Level then thi will be based on the second highest ADM Coverage Level.
Unit Structure Discount	Discount Factor + (Upper Bound Coverage Level Percent	Effective Coverage Level Percent	Internal		99.9999	None	

Internal

Floored Effective Coverage

Level Percent

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Coverage Level Percent - Floored Effective Coverage Level

Percent) * 20, 4)

Record Name: Acreage
Record Code: P11

Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023 Record Code: P11 **Insurance Plan Code** 01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts **Commodity Code** 0051 Grain Sorghum 0015 Canola 0041 Corn 0078 Sunflowers 0018 Rice 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0091 Barley Field Record Field <u>Field</u> <u>Field</u> Calculations Name Number Number **Format** Rounding Rules 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 Downed Rice Endorsement (DRE) Option 'DC' 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. Section 16: Liability Calculation Round to whole Premium Liability Amount 999999999 Internal number. Edit with ADM Price, "A00810", Fixed Coverage Dollar Amount of Insurance ADM 99999 None Amount with insurance option = 'DC'. Dollar Amount of Insurance * Reported Acreage * Insured Premium Liability Amount = Share Percent * Price Election Percent P11 48 9999999.99 None Reported Acreage DRE insured share will always be 100% without 43 Insured Share Percent P11 9.9999 None regards to base Rice. ICE Price Election Percent 9.9999 None From base Rice P14 record. Round to whole Liability Amount P11 91 999999999 number. Edit with ADM Price, "A00810", Fixed Coverage Dollar Amount of Insurance ADM 99999 None Amount with insurance option = 'DC'. Dollar Amount of Insurance * Reported Acreage * Insured Liability Amount = Share Percent * Price Election Percent Reported Acreage P11 48 999999.99 None DRE insured share will always be 100% without Insured Share Percent P11 43 9.9999 None regards to base Rice. Price Election Percent ICE 9.9999 None From base Rice P14 record.

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Exhibit Name: Premium Calculation

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

Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved Release Date: 9/21/2023

	Record Code: PII				neicase Date: 3/21/2025					
Insurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protecti	ion with Harvest Price Exclusion			
Commodity Code	0011 Wheat 0015 Canola 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley			
	Calculations	<u>Field</u> Name	Record Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules			
Section 17: Total Premium	Section 17: Total Premium Amount, Subsidy Amount, and Producer Premium Amount									
Preliminary Total		Preliminary Total Premium	Internal		999999999	Round to whole number.				
Premium	= Premium Liability Amount * Premium Rate	Premium Rate	ADM			None	Edit with ADM Option Rate, "A01060", rate with insurance option = 'DC'.			
Total Premium Amount	= Preliminary Total Premium	Total Premium Amount	P11	93	999999999	Round to whole number.				
Subsidy Amount	Subsidy Amount = Total Premium Amount * Subsidy Percent		P11	91	999999999	Round to whole number.	If this record qualifies for Beginning Farmer and Rancher or Native Sod, see Section 18 for subsidy calculations.			
		Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070". Will always be 38% for DRE.			
Producer Premium Amount	= Total Premium Amount - Subsidy Amount	Producer Premium Amount	P11	94	999999999	Round to whole number.				

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

Insurance Plan Code 01 Yield Protection 02 Revenue Protection 03 Revenue Protection 03 Revenue Protection 05 Revenue Protection 05 Revenue Protection 06 Revenue Protection 07 R

 Commodity Code
 0011 Wheat
 0021 Cotton
 0047 Dry Beans
 0075 Peanuts

 Commodity Code
 0015 Canola
 0041 Corn
 0051 Grain Sorghum
 0078 Sunflowers

 0018 Rice
 0043 Popcorn
 0067 Dry Peas
 0081 Soybeans

 0091 Barley

Calculations	<u>Field</u> Name	Record Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules				
Section 18: Beginning Farmer and Rancher (BFR), Native Sod (NS) and Conservation Compliance (CC) Subsidy Calculations										
Base Subsidy Amount = Total Premium Amount * Subsidy Percent	Base Subsidy Amount	Internal		999999999	Round to whole number	Cupped by the standard rule of \$1 if applicable.				
	Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070".				
BFR Subsidy Amount = Total Premium Amount * 0.10 * (1 - CC Subsidy Reduction Percent)	BFR Subsidy Amount	Internal		999999999	Round to whole number	Beginning Farmer Rancher Subsidy Amount. If Applicable; else 0. 0.10 (10%).				
Native Sod Subsidy Amount = Total Premium Amount * 0.50	Native Sod Subsidy Amount	Internal		999999999	Round to whole number	If Applicable; else 0. 0.50 (50%). For CAT coverage, Native Sod Subsidy Amount is always 0.				
CC Subsidy Reduction	CC Subsidy Reduction Percent	P11	76	9.9999	None	If Applicable; else 0.				
CC Subsidy Reduction = Base Subsidy Amount * CC Subsidy Reduction Percent Amount	CC Subsidy Reduction Amount	P11	109	999999999	Round to whole number	CC Subsidy Reduction Amount. If Applicable; else 0.				
Subsidy Amount = Base Subsidy Amount + BFR Subsidy Amount - Native Sod Subsidy Amount - CC Subsidy Reduction Amount	Subsidy Amount	P11	91	999999999	Round to whole number	Subsidy Amount cannot exceed Total Premium Amount. Subsidy Amount will be cupped at \$0.				
Producer Premium = Total Premium Amount - Subsidy Amount	Producer Premium Amount	P11	94	999999999	Round to whole number					

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts **Commodity Code** 0051 Grain Sorghum 0015 Canola 0041 Corn 0078 Sunflowers 0018 Rice 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0091 Barley Field Record Field **Field** Field Calculations Name Number Number **Format** Rounding Rules Section 19: Yield Cup, Yield Exclusion 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 P14 Coverage Level Percent 34 9.9999 None Unadjusted Liability Round((Coverage Level Percent/Effective Coverage Level Effective Coverage Level Amount Percent),10) * Premium Liability Amount Internal 99.9999 Percent Round to whole Premium Liability Amount Internal 999999999 number Max Coverage Level Internal 999999999999999 Round to 8 decimals. Adjustment Factor Round to whole Unadjusted Liability Amount Internal 999999999 number When Unit Structure Code is equal to Optional Unit, "OU", | Current Year Base Rate 999999999999999 Internal Round to 8 decimals. "UA" or "UD: Round to whole Premium Liability Amount Internal 999999999 number ROUND(1.00/ Current Year Base Rate,8) -Max Coverage Level Base Rate Differential Factor ADM 9.99999999 None ROUND(Unadjusted Liability Amount/(Current Year Base Adjustment Factor Base Unit Residual Factor ADM 999.999 None Rate * Premium Liability Amount),8) + ROUND(ROUND(Base Rate Differential Factor * Base Unit Residual Factor * Base Base Optional Unit Structure Discount Factor is Optional Unit Structure Discount Factor * Unadjusted equal to Optional Unit Discount Factor for Liability Amount,8)/Premium Liability Amount,8) Minimum of 1) Maximum available Coverage Base Optional Unit Structure ADM 9.99999999 None Level or; 2) available Coverage Level less than or Discount Factor equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040". See Section 19 for more info.

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

Release Date: 9/21/2023

Coverage Level Differential, "A01040".

nsurance Plan Code	01 Yield Protection	02 Revenue Protection				03 Revenue Protec	tion with Harvest Price Exclusion	
Commodity Code	0011 Wheat 0015 Canola 0018 Rice	0021 Cotton0047 Dry Beans0041 Corn0051 Grain Sorghum0043 Popcorn0067 Dry Peas				0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley		
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>	
Max Coverage Level Adjustment Factor (continued) F	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		9.999999999	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 the 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 (all acres are prevented planted) set to 1.00	
	ROUND(1.00/ Current Year Base Rate,8) — ROUND(Unadjusted Liability Amount/(Current Year Base Rate * Premium Liability Amount),8) + ROUND(ROUND(Base Rate Differential Factor * Base Enterprise Unit Residual Factor * Base Enterprise Unit Structure Discount Factor * Unadjusted Liability Amount,8)/Premium Liability Amount,8)	Base Enterprise Unit Structure Discount Factor	ADM		9.999999999	None	Base Enterprise Unit Structure Discount Facequal to Enterprise Unit Discount Factor fo Minimum of 1) Maximum available Covera Level or; 2) available Coverage Level less the equal to Effective Coverage Level. Edit wit ADM Coverage Level Differential, "A01040' See Section 19 for more info. When the total planted acres for the unit is (all acres are prevented planted) set to 1.0	
		Base Enterprise Unit Residual Factor	ADM		999.999	None	Base Enterprise Unit Residual Factor is equ Enterprise Unit Residual for Minimum of 1 Maximum available Coverage Level or; 2) available Coverage Level less than or equal 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), 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 ed to Whole Farm Unit Residual for Minimum Maximum available Coverage Level or; 2) available Coverage Level less than or equal Effective Coverage Level. Edit with ADM	

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018

Version: Approved

0047 Dry Beans

Release Date: 9/21/2023

<u>Insurance Plan Code</u> 01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion

Commodity Code 0015

 0011 Wheat
 0021 Cotton

 0015 Canola
 0041 Corn

 0018 Rice
 0043 Popcorn

orn 0051 Grain Sorghum opcorn 0067 Dry Peas

0078 Sunflowers 0081 Soybeans

0075 Peanuts

				0091 Barley				
Calculations		<u>Field</u> Name	Record Number	<u>Field</u> Number	<u>Field</u>	<u>Field</u> Rounding	Rules	
Calculations		<u>Name</u>	Number	Number	<u>Format</u>	Kounding	<u>Rules</u>	
Marginal Rate Adjustment Factor	Max Coverage Level Adjustment Factor /(Rate Differential Factor * Unit Residual Factor * Unit Structure Discount Factor)	Marginal rate Adjustment Marginal Adjustment Rate Factor	Internal		9.9999999	Round to 8 decimals.		
		Max Coverage Level Adjustment Factor	Internal		999999999.99999999	Round to 8 decimals.		
		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), and "YE" (Yield Exclusion).	
		Unit Residual Factor	ADM		999.999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), and "YE" (Yield Exclusion).	
		Unit Structure Discount Factor	Internal		9.9999999	None	Capped at 1.0 See Section 19 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), and "YE" (Yield Exclusion).	
	When Unit Structure code is Enterprise Unit, "EU" or "EP": Max Coverage Level Adjustment Factor /(Rate Differential Factor * Enterprise Unit Residual Factor * Unit Structure Discount Factor)	Enterprise Unit Residual Factor	ADM		9.999	None	Edit with ADM Coverage Level Differential, "A01040". See Section 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), and "YE" (Yield Exclusion) where Unit Structure Code equal to Enterprise Unit, 'EU' or 'EP'.	
	When Unit Structure code is 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'.	

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018 Version: Approved

Release Date: 9/21/2023

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

		Field	Record	Field	Field	Field	0091 Barrey
	Calculations	Name	Number	Number	Format	Rounding	<u>Rules</u>
	Calculations		Number	Number	Tormat	Rounding	<u>Kules</u>
	When Unit Structure Code is equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, "BU": Round(Current Year Base Rate * Rate Differential Factor * Unit Residual Factor, 8) * MIN(Marginal Rate Adjustment Factor, 1.00)	Current Year Base Premium	Internal		999999999999999	Round to 8 decimals.	
		Rate					
		Rate Differential Factor	ADM		9.99999999		Edit with ADM Coverage Level Differential,
							"A01040".
							See Section 17 for Option Code "TA" (Trend
							Adjustment), "YC" (Yield Cup), and "YE" (Yield
							Exclusion).
=		Unit Residual Factor	ADM		999.999	None	Edit with ADM Coverage Level Differential,
							"A01040".
							See Section 18 for Option Code "TA" (Trend
							Adjustment), "YC" (Yield Cup), and "YE" (Yield
							Exclusion) where Unit Structure Code equal to
Current Year Base							Optional Unit, "OU", "UA", "UD", or Basic Unit, 'BU'.
Premium Rate		Marginal Rate Adjustment					BU.
T Termani Nace		Factor	Internal		9999999999999999	Round to 8 decimals.	
	When Unit Structure code is Enterprise Unit, "EU" or "EP":		ADM	DM 9.999	9.999		Edit with ADM Coverage Level Differential,
							"A01040".
	Round(Current Year Base Rate * Rate Differential Factor * Enterprise Unit Residual Factor, 8) * MIN(Marginal Rate Adjustment Factor, 1.00)						See Section 18 for Option Code "TA" (Trend
=							Adjustment), "YC" (Yield Cup), and "YE" (Yield
							Exclusion) where Unit Structure Code equal to
							Enterprise Unit, 'EU' or 'EP'.
	!Round(Current Year Base Rate * Rate Differential 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'.

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018 Version: Approved

Release Date: 9/21/2023 01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts **Commodity Code** 0051 Grain Sorghum 0015 Canola 0041 Corn 0078 Sunflowers 0018 Rice 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0091 Barley Field Record Field **Field** Field Calculations Name Number Number **Format** Rounding Rules Section 20: Yield Cup, Yield Exclusion and Trend APH for Cottonseed.--Current Year Base Premium Rate Calculations (only use when the Effective Coverage Level for the record exceeds the highest coverage level for the offer in the ADM). Current Year Base Premium 9999999999999999 Internal Round to 8 decimals. Rate Edit with ADM Coverage Level Differential, "A01040". Rate Differential Factor ADM 9.99999999 See Section 17 for Option Code "TA" (Trend None When Unit Structure Code is equal to Optional Unit, "OU", Adjustment), "YC" (Yield Cup), and "YE" (Yield "UA", "UD", or Basic Unit, "BU": Exclusion). Edit with ADM Coverage Level Differential, Round(Current Year Base Rate * Rate Differential Factor * "A01040". Unit Residual Factor, 8) * MIN(Marginal Rate Adjustment See Section 18 for Option Code "TA" (Trend Factor, 1.00) Unit Residual Factor ADM 999.999 Adjustment), "YC" (Yield Cup), and "YE" (Yield None Exclusion) where Unit Structure Code equal to **Current Year Base** Optional Unit, "OU", "UA", "UD", or Basic Unit, Premium Rate 'BU'. Marginal Rate Adjustment Internal 9999999999999999 Round to 8 decimals. Copy value over from the base lint line. Factor When Unit Structure Code is is Enterprise Unit, "EU" or Edit with ADM Coverage Level Differential, "EP": "A01040". Enterprise Unit Residual See Section 18 for Option Code "TA" (Trend ADM 9.999 None Round(Current Year Base Rate * Rate Differential Factor * Factor Adjustment), "YC" (Yield Cup), and "YE" (Yield Enterprise Unit Residual Factor, 8) * MIN(Marginal Rate Exclusion) where Unit Structure Code equal to Adjustment Factor, 1.00) Enterprise Unit, 'EU' or 'EP'.

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