Exhibit Name: Indemnity Calculations					
Exhibit Number: P21-2, Plan 02 & 03			**Reinsurance Year:** 2024		
Record Name: Acreage Claim			**Version:** Draft		
Record Code: P21			**Release Date:** 6/6/2024		

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

Calculations	**Field Name**	**Record Number**	**Field Number**	**Field Format**	**Field Rounding**	**Rules**
Section 1: Stage Guarantee Calculation						
Guarantee Per Acre1 = Approved Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		999999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.	Common Crop Insurance Policy 'production guarantee (per acre)'. Guarantee Per Acre1 should be rounded to whole pounds for Dry Beans, "0047" (all types), and Dry Peas, "0067" (all types).
	Approved Yield	P11	42	99999999.99	None	
	Coverage Level Percent	P14	34	9.9999	None	
Cottonseed Endorsement Option "SE": Modified Yield = Approved Yield * Option Conversion Factor	Modified Yield	Internal		99999999.99	Round to whole number.	Information (Approved Yield and Insured Share Percent) will be obtained from Cotton P11 record.
	Approved Yield	P11	42	99999999.99	None	
	Option Conversion Factor	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".
Guarantee Per Acre1 = Modified Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		99999999.99	Round to whole number.	
	Coverage Level Percent	P14	34	9.9999	None	
Guarantee Per Acre2 = Guarantee per Acre1 * Guarantee Adjustment Factor	Guarantee Per Acre2	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.	Guarantee Per Acre2 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	

Exhibit Name: Indemnity Calculations						
Exhibit Number: P21-2, Plan 02 & 03				**Reinsurance Year:** 2024		
Record Name: Acreage Claim				**Version:** Draft		
Record Code: P21				**Release Date:** 6/6/2024		

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

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Revenue Protection, "02", Price Election Amount Calculation:						
Price Election Amount = MAX(Projected Price, Harvest Price) * Price Election Percent	Price Election Amount	Internal		9999.999	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]. When Commodity Code equals Canola, "0015", Rice, "0018", Sunflowers, "0078", or Cottonseed, "0021" (Option 'SE'); round to nearest one-tenth cent [$9.999]. 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	None	Edit with ADM Price, "A00810".
	Contract Price	P11	46	9999.9999	None	Contract Price that was submitted on P11 (capped with Max Contract Price from ADM).
	Harvest Price	Internal		99999.9999	None	Edit with ADM Price, "00810".
	Price Election Percent	ICE		9.9999	None	Price Election Percent would equal 1.00 when Insurance Plan Code "02".

Exhibit Name: Indemnity Calculations			
Exhibit Number: P21-2, Plan 02 & 03		**Reinsurance Year:** 2024	
Record Name: Acreage Claim		**Version:** Draft	
Record Code: P21		**Release Date:** 6/6/2024	

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

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Revenue Protection, "02", Price Election Amount Calculation when a contrct price is submitted:						
Adjusted Harvest Price **=** [(Contract Price - Projected Price) + Harvest Price]	Adjusted Harvest Price	Internal		99999.9999	None	
Price Election Amount **=** MAX(Adjusted Harvest Price, Contract Price) * Price Election Percent	Price Election Amount	Internal		9999.999	When the result is based on a Contract Price for specialty types Corn, Soybeans, or Barley, round to nearest one hundredth cent [$9.9999].	
					When the result is based on a Contract Price for Speciality Type Canola round to nearest hundredth cent [$9.9999]. When commodity Code equals Popcorn, "0043", Dry Beans, "0047", or Dry Peas, "0067" round to nearest one-hundreth cent [$9.9999].	

Exhibit Name: Indemnity Calculations					
Exhibit Number: P21-2, Plan 02 & 03		**Reinsurance Year:** 2024			
Record Name: Acreage Claim		**Version:** Draft			
Record Code: P21		**Release Date:** 6/6/2024			

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

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Revenue Protection with Harvest Price Exclusion, "03", Price Election Amount Calculation: Price Election Amount = Projected Price (or Contract Price if applicable) * Price Election Percent	Price Election Amount	Internal		9999.999	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 types Corn, Soybeans or Barley, round to neareat one hundredth cent ($9.9999). When Commodity Code equals Canola, "0015", Rice, "0018", Sunflowers, "0078", or Cottonseed, "0021" (Option 'SE'); round to nearest one-tenth cent [$9.999]. If result is based on Contract Price for specialty type Canola; round to neareat 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	None	Edit with ADM Price, "A00810".
	Contract Price	P11	46	9999.9999	None	Contract Price that was submitted on P11 (capped with Max Contract Price from ADM).
	Price Election Percent	ICE		9.9999	None	Price Election Percent would equal 1.00 when Insurance Plan Code equals "03".
Acre Stage Guarantee Amount = Guarantee Per Acre2 * Price Election Amount	Acre Stage Guarantee Amount	Internal		999999999.99	Round to nearest dollar and cents.	Common Crop Insurance Policy 'revenue protection guarantee (per acre)'. Not used in determination of Loss Guarantee.

Exhibit Name: Indemnity Calculations			
Exhibit Number: P21-2, Plan 02 & 03		**Reinsurance Year:** 2024	
Record Name: Acreage Claim		**Version:** Draft	
Record Code: P21		**Release Date:** 6/6/2024	

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

Commodity Code	0011 Wheat	0021 Cotton	0051 Grain Sorghum	0081 Soybeans
	0015 Canola	0041 Corn	0067 Dry Peas	0091 Barley
	0016 Oats	0043 Popcorn	0075 Peanuts	0094 Rye
	0018 Rice	0047 Dry Beans	0078 Sunflowers	0805 Weaned Calves

Calculations	**Field Name**	**Record Number**	**Field Number**	**Field Format**	**Field Rounding**	**Rules**
Section 2: Loss Guarantee Calculation						
Loss Guarantee Amount = Guarantee Per Acre2 * Price Election Amount * Determined Acreage * Liability Adjustment Factor	Loss Guarantee Amount	P21	67	99999999.99	Round to nearest dollar and cents.	
	Determined Acreage	P21	18	99999999.99	None	
	Liability Adjustment Factor	P21	39	9.999999	None	
Revenue Conversion Production to Count = Production to Count Quantity * Harvest Price	Revenue Conversion Production to Count	P21	45	99999999.99	Round to nearest dollar and cents.	
	Production to Count Quantity	P21	34	99999999.99		
	Harvest Price	ADM		99999.9999	None	Edit with ADM Price, "00810". If Contract Price was submitted on the P11 then Harvest Price will be adjusted by difference between Projected Price and Contract Price. If Harvest Price has not been released for revenue Protection, "02", the Projected Price or Contract Price (whichever applies) can be used for validation of Revenue to Count.
Section 3: Indemnity Calculation						
Unit Deficiency Quantity = Loss Guarantee Amount – Revenue Conversion Production to Count	Unit Deficiency Quantity	P21	66	S99999999.99	Round to nearest dollar and cents.	
Preliminary Indemnity Amount = Unit Deficiency Quantity * Insured Share Percent	Preliminary Indemnity Amount	P21	69	S9999999999	Round to whole number.	
	Insured Share Percent	P11	43	9.9999	None	
Indemnity Amount = Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor	Indemnity Amount	P21	70	S9999999999	Round to whole number.	
	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
Total Indemnity ∑ Indemnity Amount for the Unit	Total Indemnity	Internal		S9999999999	Round to whole number.	

Exhibit Name: Indemnity Calculations						
Exhibit Number: P21-2, Plan 02 & 03				**Reinsurance Year:** 2024		
Record Name: Acreage Claim				**Version:** Draft		
Record Code: P21				**Release Date:** 6/6/2024		

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

Calculations	**Field Name**	**Record Number**	**Field Number**	**Field Format**	**Field Rounding**	**Rules**
Section 4: Stage Guarantee Calculation **Replant Payment for Revenue Protection, "02", and Revenue Protection with Harvest Price Exclusion, "03"**						
When Stage Code equals **Replanted, "R",** Guarantee Per Acre1 = Approved Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.	Common Crop Insurance Policy 'production guarantee (per acre)'. Guarantee Per Acre1 should be rounded to whole pounds for Dry Beans, "0047" (all types), and Dry Peas, "0067" (all types).
	Approved Yield	P11	42	99999999.99	None	
	Coverage Level Percent	P14	34	9.9999	None	
Guarantee Per Acre2 = Guarantee per Acre1 * Guarantee Adjustment Factor	Guarantee Per Acre2	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.	Guarantee Per Acre2 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	

Exhibit Name: Indemnity Calculations	
Exhibit Number: P21-2, Plan 02 & 03	**Reinsurance Year:** 2024
Record Name: Acreage Claim	**Version:** Draft
Record Code: P21	**Release Date:** 6/6/2024

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

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Commodity Code not equal Dry Beans, "0047" or Peanuts, "0075":	Acre Stage Guarantee Amount	P21	65	999999999.99	Round to nearest dollar and cents.	Not used in determination of Loss Guarantee.
	Price Election Amount	P11	45	99999.999	None	Based on Projected Price or Contract Price if applicable. White (Type Code 341) and Waxy (Type Code 381) Specialty Type Corn will use the Projected Price for buyup. For CAT coverage, use the CAT price.
	Maximum Replant Guarantee Per Acre	ICE				Edit with SPOI "D00129".
Acre Stage Guarantee Amount **= Lesser of: (** 20% of Guarantee Per Acre2 **OR** Maximum Replant Guarantee Per Acre **)** * Price Election Amount	20% of Guarantee Per Acre2	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.	Result of '20% of Guarantee Per Acre2' will be used in 'Acre Stage Guarantee Amount' calculation and 'Loss Guarantee Amount' calculation. Value of '20% of Guarantee Per Acre2' should be rounded before compare to 'Maximum Replant Guarantee Per Acre'. If Unit of Measure = LBS Round(Guarantee Per Acre2 * 0.20, 0) If Unit of Measure = Tons Round(Guarantee Per Acre2 * 0.20, 2) Other Unit of Measures Round(Guarantee Per Acre2 * 0.20, 1)
Commodity Code equal Peanuts, "0075": Acre Stage Guarantee Amount **=** Maximum Replant Guarantee Per Acre	Maximum Replant Guarantee Per Acre	ICE				Edit with SPOI "D00129".

Exhibit Name: Indemnity Calculations						
Exhibit Number: P21-2, Plan 02 & 03			**Reinsurance Year:** 2024			
Record Name: Acreage Claim			**Version:** Draft			
Record Code: P21			**Release Date:** 6/6/2024			

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

Commodity Code	0011 Wheat	0021 Cotton	0051 Grain Sorghum	0081 Soybeans
	0015 Canola	0041 Corn	0067 Dry Peas	0091 Barley
	0016 Oats	0043 Popcorn	0075 Peanuts	0094 Rye
	0018 Rice	0047 Dry Beans	0078 Sunflowers	0805 Weaned Calves

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Commodity Code equal Dry Beans, "0047:	Acre Stage Guarantee Amount	P21	65	999999999.99	Round to nearest dollar and cents.	Not used in determination of Loss Guarantee Amount
	Price Election Amount	P11	45	99999.9999	None	Based on Projected Price.
	Maximum Replant Guarantee Per Acre	ICE				Edit with SPOI ICE "D00129". If lesser of submit in AIP Acre Stage Guarantee field 36 as pounds before price.
Acre Stage Guarantee Amount = **Lesser of:** **(**Insured's Actual Cost **Or** 10% of Guarantee Per Acre2 **Or** Maximum Replant Guarantee Per Acre) * Price Election Amount	10% of Guarantee Per Acre2	Internal		99999999.99	Pounds, "LBS", Round to whole Number.	Result of '10% of Guarantee Per Acre2' will be used in 'Acre Stage Guarantee Amount' calculation and 'Loss Guarantee Amount' calculation. Value of '10% of Guarantee Per Acre2' should be rounded before compare to 'Maximum Replant Guarantee Per Acre'. If lesser of submit in AIP Acre Stage Guarantee field 36 as pounds before price. Unit of Measure "LBS", Round(Guarantee Per Acre2 * 0.10, 0)
	Insured's Actual Cost	P21	36	99999999.99		Insured's Actual Cost will be submitted in AIP Acre Stage Guarantee field if lesser of converted to pounds per Dry Beans Loss Adjustment Handbook.

Section 5: Replant Payment Loss Guarantee Calculation

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Commodity Code not equal Dry Beans, "0047" or Peanuts, "0075": Loss Guarantee Amount = Lesser of ((20% of Guarantee Per Acre2) or Maxiumum Replant Guarantee Per Acre) * Price Election Amount * Determined Acreage * Liability Adjustment Factor	Loss Guarantee Amount	P21	67	99999999.99	Round to nearest dollar and cents.	
	Determined Acreage	P21	18	99999999.99	None	
	Liability Adjustment Factor	P21	39	9.999999	None	
Commodity Code equal Dry Beans, "0047: Loss Guarantee Amount = Lesser of (Insured's Actual Cost or Round(10% of Guarantee Per Acre2, 0) or Maximum Replant Guarantee Per Acre) * Price Election Amount * Determined Acreage * Liability Adjustment Factor	Loss Guarantee Amount	P21	67	99999999.99	Round to nearest dollar and cents.	
	Determined Acreage	P21	18	99999999.99	None	
	Liability Adjustment Factor	P21	39	9.999999	None	

Exhibit Name: Indemnity Calculations						
Exhibit Number: P21-2, Plan 02 & 03			**Reinsurance Year:** 2024			
Record Name: Acreage Claim			**Version:** Draft			
Record Code: P21			**Release Date:** 6/6/2024			

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

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Commodity Code equal Peanuts, "0075":	Loss Guarantee Amount	P21	67	99999999.99	Round to nearest dollar and cents.	
Loss Guarantee Amount = Maximum Replant Guarantee Per Acre *	Determined Acreage	P21	18	99999999.99	None	
Determined Acreage * Liability Adjustment Factor	Liability Adjustment Factor	P21	39	9.999999	None	
Section 6: Replant Payment Indemnity Calculation						
Indemnity Amount = Loss Guarantee Amount * Insured Share Percent	Indemnity Amount	P21	70	S9999999999	Round to whole number.	
	Insured Share Percent	P11	43	9.9999	None	
Total Indemnity ∑ Indemnity Amount for the Unit	Total Indemnity	Internal		S9999999999	Round to whole number.	
Section 7: Stage Guarantee Calculation **Prevented Planting Payment for Revenue Protection, "02", and Revenue Protection with Harvest Price Exclusion, "03".**						
When Stage Code equals: **Prevented Planting Option 2, "P2",** **Prevented Planting Add 5 Percent, "PF"** Guarantee Per Acre1 = Approved Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.	Common Crop Insurance Policy 'production guarantee (per acre)'. Guarantee Per Acre1 should be rounded to whole pounds for Dry Beans, "0047" (all types), and Dry Peas, "0067" (all types).
	Approved Yield	P11	42	99999999.99	None	
	Coverage Level Percent	P14	34	9.9999	None	
Cottonseed Endorsement Option "SE": Modified Yield = Approved Yield * Option Conversion Factor	Modified Yield	Internal		99999999.99	Round to whole number.	Information (Approved Yield and Insured Share Percent) will be obtained from Cotton P11 record.
	Approved Yield	P11	42	99999999.99	None	
	Option Conversion Factor	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".
Guarantee Per Acre1 = Modified Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		99999999.99	Round to whole number.	
	Coverage Level Percent	P14	34	9.9999	None	

Exhibit Name: Indemnity Calculations						
Exhibit Number: P21-2, Plan 02 & 03			**Reinsurance Year:** 2024			
Record Name: Acreage Claim			**Version:** Draft			
Record Code: P21			**Release Date:** 6/6/2024			

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

Commodity Code	0011 Wheat	0021 Cotton	0051 Grain Sorghum	0081 Soybeans
	0015 Canola	0041 Corn	0067 Dry Peas	0091 Barley
	0016 Oats	0043 Popcorn	0075 Peanuts	0094 Rye
	0018 Rice	0047 Dry Beans	0078 Sunflowers	0805 Weaned Calves

Calculations	**Field Name**	**Record Number**	**Field Number**	**Field Format**	**Field Rounding**	**Rules**
Guarantee Per Acre2 = Guarantee per Acre1 * Guarantee Adjustment Factor	Guarantee Per Acre2	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.	Guarantee Per Acre2 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	
Acre Stage Guarantee Amount = Guarantee Per Acre2 * Price Election Amount	Acre Stage Guarantee Amount	P21	65	999999999.99	Round to nearest dollar and cents.	Common Crop Insurance Policy 'revenue protection guarantee (per acre)'. Not used in determination of Loss Guarantee.
	Price Election Amount	P11	45	99999.9999	None	Based on Projected Price or Contract Price if applicable. White (Type Code 341) and Waxy (Type Code 381) Specialty Type Corn will use the Projected Price for buyup. For CAT coverage, use the CAT price.

<table>
<tr><td colspan="6">

Exhibit Name: Indemnity Calculations
Exhibit Number: P21-2, Plan 02 & 03
Record Name: Acreage Claim
Record Code: P21

Reinsurance Year: 2024
Version: Draft
Release Date: 6/6/2024
</td></tr>
</table>

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

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Section 8: Prevented Planting Payment Loss Guarantee Calculation						
Loss Guarantee Amount = Guarantee Per Acre2 * Price Election Amount * Determined Acreage * Liability Adjustment Factor	Loss Guarantee Amount	P21	67	99999999.99	Round to nearest dollar and cents.	
	Guarantee Per Acre2	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.	Guarantee Per Acre2 should be rounded to whole pounds for Dry Beans, "0047" (all types), and Dry Peas, "0067" (all types).
	Price Election Amount	P11	45	99999.9999	None	Based on Projected Price or Contract Price if applicable. White (Type Code 341) and Waxy (Type Code 381) Specialty Type Corn will use the Projected Price for buyup. For CAT coverage, use the CAT price.
	Determined Acreage	P21	18	99999999.99	None	
	Liability Adjustment Factor	P21	39	9.999999	None	

Exhibit Name: Indemnity Calculations						
Exhibit Number: P21-2, Plan 02 & 03			**Reinsurance Year:** 2024			
Record Name: Acreage Claim			**Version:** Draft			
Record Code: P21			**Release Date:** 6/6/2024			

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

Calculations	**Field Name**	**Record Number**	**Field Number**	**Field Format**	**Field Rounding**	**Rules**
Section 9: Prevented Planting Payment Indemnity Calculation						
Preliminary Indemnity Amount **=** Loss Guarantee Amount * Insured Share Percent	Preliminary Indemnity Amount	P21	69	S9999999999	Round to whole number.	
	Insured Share Percent	P11	43	9.9999	None	
Indemnity Amount **=** Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor	Indemnity Amount	P21	70	S9999999999	Round to whole number.	
	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
Total Indemnity ∑ Indemnity Amount for the Unit	Total Indemnity	Internal		S9999999999	Round to whole number.	
Section 10: Stage Guarantee Calculation						
Malting Barley Price and Quality Endorsement (ME)						
Guarantee Per Acre1 = Approved Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		999999999.9	Round to nearest whole pounds, nearest hundreth for tonage commodities, or nearest tenths for other units of measure.	Common Crop Insurance Policy 'production guarantee (per acre)'.
	Approved Yield	P11	42	99999999.99	None	
	Coverage Level Percent	P14	34	9.9999	None	
Guarantee Per Acre2 = Guarantee per Acre1 * Guarantee Adjustment Factor	Guarantee Per Acre2	Internal		99999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.	
	Guarantee Adjustment Factor	P11	69	0.999	None	

Exhibit Name: Indemnity Calculations			
Exhibit Number: P21-2, Plan 02 & 03		**Reinsurance Year:** 2024	
Record Name: Acreage Claim		**Version:** Draft	
Record Code: P21		**Release Date:** 6/6/2024	

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

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
When the Insurance Plan Code is 02, Revenue Protection:						
ME Harvest Price = Harvest Price + (Contract Price - Projected Price)	ME Harvest Price	Internal		9999.9999	Round to 4 decimals.	
	Contract Price	P11	46	9999.9999	None	The Contract Price (ME Projected Price) that was submitted on P11 (capped by the Max Contract Price from ADM) and used to calculate the premium.
	Projected Price	ADM		99999.9999	None	The ADM published value with no additional calculations performed. Denoted in Price ADM as barley projected price with ME option.
	Harvest Price	ADM		99999.9999	None	The ADM published value with no additional calculations performed. Denoted in Price ADM as barley harvest price with ME option.
When the Insurance Plan Code is 02, Revenue Protection:						
Price Election Amount = MAX(Contract Price, ME Harvest Price) * Price Election Percent	Price Election Amount	Internal		9999.9999	Round to 4 decimals.	
	Price Election Percent	ICE		9.9999	None	Price Election Percent would equal 1.00 when Insurance Plan Code equals "02".
When the Insurance Plan Code is 03, Revenue Protection Harvest Price Exclusion:						
Price Election Amount = Contract Price * Price Election Percent	Price Election Amount	Internal		9999.9999	Round to 4 decimals.	
	Contract Price	P11	46	9999.9999	None	The Contract Price (ME Projected Price) that was submitted on P11 (capped with Max Contract Price from ADM) and used to calculate the premium.
	Price Election Percent	ICE		9.9999	None	
Acre Stage Guarantee Amount = Guarantee Per Acre2 * Price Election Amount	Acre Stage Guarantee Amount	P21	65	999999999.99	Round to nearest dollar and cents.	Common Crop Insurance Policy 'revenue protection guarantee (per acre)'. Not used in determination of Loss Guarantee.
	Price Election Amount	P11	45	99999.9999	None	

Exhibit Name: Indemnity Calculations		
Exhibit Number: P21-2, Plan 02 & 03	**Reinsurance Year:** 2024	
Record Name: Acreage Claim	**Version:** Draft	
Record Code: P21	**Release Date:** 6/6/2024	

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

Calculations	**Field Name**	**Record Number**	**Field Number**	**Field Format**	**Field Rounding**	**Rules**
Section 11: Malting Barley Loss Guarantee Calculation						
Loss Guarantee Amount = Guarantee Per Acre2 * Price Election Amount * Determined Acreage * Liability Adjustment Factor	Loss Guarantee Amount	P21	67	99999999.99	Round to nearest dollar and cents.	
	Determined Acreage	P21	18	99999999.99	None	
	Liability Adjustment Factor	P21	39	9.999999	None	
~~When the Insurance Plan Code is 02, Revenue Protection:~~						
Revenue Conversion Production To Count = MAX(Production to Count Quantity * ME Harvest Price,0)	Revenue Conversion Production To Count	P21	45	99999999.99	Round to nearest dollar and cents.	Cannot equal less than 0.
	Production to Count Quantity	P21	34	99999999.99	None	
	ME Harvest Price	Internal		9999.9999		If the ~~ME~~ Harvest Price has not been released ~~for Revenue Protection, "02"~~, the Contract Price can be used for validation of Revenue to Count.
~~When the Insurance Plan Code is 03, Revenue Protection Harvest Price Exclusion:~~						
~~Revenue Conversion Production To Count = Production to Count Quantity * Price Election Amount~~	~~Revenue Conversion Production To Count~~	~~P21~~	~~45~~	~~99999999.99~~	~~Round to nearest dollar and cents.~~	
	~~Production to Count Quantity~~	~~P21~~	~~34~~	~~99999999.99~~	~~None~~	
	~~Price Election Amount~~	~~P11~~	~~45~~	~~99999.9999~~	~~None~~	
Section 12: Malting Barley Indemnity Calculation						
Unit Deficiency Quantity = Loss Guarantee Amount – Revenue Conversion Production to Count	Unit Deficiency Quantity	P21	66	S99999999.99	Round to nearest dollar and cents.	
Preliminary Indemnity Amount = Unit Deficiency Quantity * Insured Share Percent	Preliminary Indemnity Amount	P21	69	S9999999999	Round to whole number.	
	Insured Share Percent	P11	43	9.9999	None	
Indemnity Amount = Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor	Indemnity Amount	P21	70	S9999999999	Round to whole number	
	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
Total Indemnity ∑ Indemnity Amount for the Unit	Total Indemnity	Internal		S9999999999	Round to whole number.	

Exhibit Name: Indemnity Calculations				
Exhibit Number: P21-2, Plan 02 & 03		**Reinsurance Year:** 2024		
Record Name: Acreage Claim		**Version:** Draft		
Record Code: P21		**Release Date:** 6/6/2024		

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

Calculations		**Field Name**	**Record Number**	**Field Number**	**Field Format**	**Field Rounding**	**Rules**
Downed Rice Payment, option "DC", for Revenue Protection, "02", and Revenue Protection with Harvest Price Exclusion, "03", Stage Code = "DQ".							If Determined Acreage is <= Insured Acreage10 then no payment; if Determined Acreage is > Insured Acreage10 and < Insured Acreage50 then payment with deductible; if Determined Acreage is => Insured Acreage50 then payment without deductible.
Section 13: Downed Rice Payment Loss Guarantee Calculation							
Insured Acreage10	= Reported Acreage * 10%	Insured Acreage10	Internal		99999999.99	Round to 1 decimal.	
		Reported Acreage	P11	48	9999999.99	None	Summed P11 DRE reported acreage for the unit.
Insured Acreage50	= Reported Acreage * 50%	Insured Acreage50	Internal		99999999.99	Round to 1 decimal.	
		Reported Acreage	P11	48	9999999.99	None	Summed P11 DRE reported acreage for the unit.
Determined Acreage	= Harvested Downed Rice Acreage	Determined Acreage	P21	18	99999999.99	None	Harvested Downed Rice Acreage for the unit.
Payable Downed Rice Acreage	**With deductible:** round(Determined Acreage - Insured Acreage10,1) * 1.25 = **OR** **Without deductible:** Determined Acreage	Payable Downed Rice Acreage	Internal		99999999.99	Round to 1 decimal.	This will be the determined payable downed rice acres for the unit.
Loss Guarantee Amount =	Payable Downed Rice Acreage * Harvest Expense Amount * Price Election Percent * Liability Adjustment Factor	Loss Guarantee Amount	P21	67	99999999.99	Round to nearest dollar and cents.	
		Harvest Expense Amount	ADM				Edit with ADM Price, "A00810", Fixed Coverage Amount with insurance option = 'DC'.
		Price Election Percent	P14	35	9.9999	None	
		Liability Adjustment Factor	P21	39	9.999999	None	
Section 14: Downed Rice Payment Indemnity Calculation							
Indemnity Amount = Loss Guarantee Amount * Insured Share Percent		Indemnity Amount	P21	70	S9999999999	Round to whole number.	
		Insured Share Percent	P11	43	9.9999	None	
Total Indemnity ∑ Indemnity Amount for the Unit		Total Indemnity	Internal		S9999999999	Round to whole number.	Only Downed Rice records, no base Rice records.

<table>
<tr><td colspan="2">Exhibit Name: Indemnity Calculations</td><td></td><td></td></tr>
<tr><td colspan="2">Exhibit Number: P21-2, Plan 02 & 03</td><td colspan="2">Reinsurance Year: 2024</td></tr>
<tr><td colspan="2">Record Name: Acreage Claim</td><td colspan="2">Version: Draft</td></tr>
<tr><td colspan="2">Record Code: P21</td><td colspan="2">Release Date: 6/6/2024</td></tr>
</table>

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

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
This Section is Specificallly for Weaned Calf ~~Revenue~~ Risk Protection, Commodity Code, "0805," Indemnity Calculations.						
Section 15: Stage Guarantee Calculation						
Guarantee Per Head1 **=** Approved Yield * Coverage Level Percent	Guarantee Per Head1	Internal		999999999.99	If Unit of Measure equals Pounds "LBS", then round to whole number.	Guarantee Per Head1 should be rounded to whole pounds for Weaned Calf, "0805".
	Approved Yield	P11	42	99999999.99	None	Approved Yield must be in whole pounds when Commodity Code equals Weaned Calf, "0805."
	Coverage Level Percent	P14	34	9.9999	None	
Guarantee Per Head2 = Guarantee per Head1 * Guarantee Adjustment Factor	Guarantee Per Head2	Internal		99999999.99	If Unit of Measure equals Pounds "LBS", then round to whole number.	Guarantee Per Head2 should be rounded to whole pounds for Weaned Calf, "0805".
	Guarantee Adjustment Factor	P11	69	0.999	None	
Formulated Producer Projected Price = Projected Price * (1+Projected Price Adjustment Factor * (650-MAX(200, MIN(750, Approved Yield))))	Formulated Producer Projected Price	Internal		9.9999		
	Projected Price	ADM		99999.9999		Edit with ADM Price, "00810".
	Projected Price Adjustment Factor	ADM		9.99999	None	Edit with ADM Price, "00810".
	Approved Yield	P11	42	99999999.99	None	Approved Yield must be in whole pounds when Commodity Code equals Weaned Calf, "0805."
Formulated Producer Harvest Price = Harvest Price * (1+Harvest Price Adjustment Factor * (650-MAX(200, MIN(750, Approved Yield))))	Formulated Producer Harvest Price	Internal		9.9999		
	Harvest Price	ADM		99999.9999		Edit with ADM Price, "00810".
	Harvest Price Adjustment Factor	ADM		9.99999	None	Edit with ADM Price, "00810".
	Approved Yield	P11	42	99999999.99	None	Approved Yield must be in whole pounds when Commodity Code equals Weaned Calf, "0805."
Revenue Protection, "02", Price Election Amount Calculation:	Price Election Amount	Internal		9999.999	When Commodity Code equals Weaned Calf, "~~XXXX~~0805",round to nearest whole cent [$9.99].	
Price Election Amount **=** Max(Formulated Producer Projected Price, Formulated Producer Harvest Price) * Price Election Percent	Formulated Producer Projected Price	Internal		99999.9999	None	
	Formulated Producer Harvest Price	Internal		99999.9999	None	
	Price Election Percent	ICE		9.9999	None	Price Election Percent would equal 1.00 when Insurance Plan Code "02".

Exhibit Name:	Indemnity Calculations		
Exhibit Number: P21-2, Plan 02 & 03		**Reinsurance Year:** 2024	
Record Name: Acreage Claim		**Version:** Draft	
Record Code: P21		**Release Date:** 6/6/2024	

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

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Revenue Protection with Harvest Price Exclusion, "03", Price Election Amount Calculation:	Price Election Amount	Internal		9999.999	When Commodity Code equals Weaned Calf, "~~XXXX~~0805", round to nearest whole cent	
Price Election Amount = Formulated Producer Projected Price * Price Election Percent	Formulated Producer Projected Price	Internal		99999.9999	None	
	Price Election Percent	ICE		9.9999	None	Price Election Percent would equal 1.00 when Insurance Plan Code equals "03".
Head Count Stage Guarantee Amount = Guarantee Per Head2 * Price Election Amount	Head Count Stage Guarantee Amount	Internal		999999999.99	Round to nearest dollar and cents.	Common Crop Insurance Policy 'revenue protection guarantee (per acre)'. Not used in determination of Loss Guarantee.
Section 16: Loss Guarantee Calculation						
Loss Guarantee Amount = Guarantee Per Head2 * Price Election Amount * Determined Head Count * Liability Adjustment Factor	Loss Guarantee Amount	P21	64	99999999.99	Round to nearest dollar and cents.	
	Determined Head Count	P21	66	99999999	None	
	Liability Adjustment Factor	P21	39	9.999999	None	
~~**Revenue Protection, "02", Price Election Amount Calculation:**~~	Revenue Conversion Production to Count	P21	45	99999999.99	Round to nearest dollar and cents.	
	Production to Count Quantity	P21	34	99999999.99		
	Harvest Price	ADM		99999.9999		Edit with ADM Price, "00810".
Revenue Conversion Production to Count = Production to Count Quantity * Harvest Price * (1+Harvest Price Adjustment Factor * (650-MAX(200, MIN(750, Production to Count Quantity)))) * Price Election Percent	Harvest Price Adjustment Factor	ADM		9.99999	None	Edit with ADM Price, "00810".
	Price Election Percent	ICE		9.9999	None	Price Election Percent would equal 1.00 when Insurance Plan Code equals "02".
~~**Revenue Protection with Harvest Price Exclusion, "03", Price Election Amount Calculation:**~~	~~Revenue Conversion Production to Count~~	~~P21~~	~~45~~	~~99999999.99~~	~~Round to nearest dollar and cents.~~	
	~~Production to Count Quantity~~	~~P21~~	~~34~~	~~99999999.99~~		
~~Revenue Conversion Production to Count = Production to Count Quantity * Projected Price * (1+Projected Price Adjustment Factor * (650-MAX(200, MIN(750, Production to Count Quantity)))) * Price Election Percent~~	~~Projected Price~~	~~ADM~~		~~99999.9999~~		~~Edit with ADM Price, "00810".~~
	~~Projected Price Adjustment Factor~~	~~ADM~~		~~9.99999~~	~~None~~	~~Edit with ADM Price, "00810".~~
	~~Price Election Percent~~	~~ICE~~		~~9.9999~~	~~None~~	~~Price Election Percent would equal 1.00 when Insurance Plan Code equals "03".~~
Section 17: Indemnity Calculation						
Unit Deficiency Quantity = Loss Guarantee Amount – Revenue Conversion Production to Count	Unit Deficiency Quantity	P21	64	S99999999.99	Round to nearest dollar and cents.	
Preliminary Indemnity Amount = Unit Deficiency Quantity * Insured Share Percent	Preliminary Indemnity Amount	P21	66	S9999999999	Round to whole number.	
	Insured Share Percent	P11	43	9.9999	None	
Indemnity Amount = Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor	Indemnity Amount	P21	67	S9999999999	Round to whole number.	
	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
Total Indemnity = ∑ Indemnity Amount for the Unit	Total Indemnity	Internal		S9999999999	Round to whole number.	