

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: 11/30/2023

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

<u>Commodity Code</u>	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

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

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

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Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
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Revenue Protection, "02", Price Election Amount Calculation:

Price Election Amount = $\frac{\text{MAX}(\text{Projected Price, -Harvest Price})}{\text{Price Election Percent}}$	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".

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<u>Calculations</u>	<u>Field Name</u>	<u>Record Number</u>	<u>Field Number</u>	<u>Field Format</u>	<u>Field Rounding</u>	<u>Rules</u>
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Revenue Protection, "02", Price Election Amount Calculation when a contract 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-hundredth cent [\$9.9999].	

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Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
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Section 2: Loss Guarantee Calculation

Loss Guarantee Amount = $\text{Guarantee Per Acre}^2 * \text{Price Election Amount} * \text{Determined Acreage} * \text{Liability Adjustment Factor}$	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 = $\text{Production to Count Quantity} * \text{Harvest Price}$	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 = $\text{Loss Guarantee Amount} - \text{Revenue Conversion Production to Count}$	Unit Deficiency Quantity	P21	66	\$99999999.99	Round to nearest dollar and cents.	
Preliminary Indemnity Amount = $\text{Unit Deficiency Quantity} * \text{Insured Share Percent}$	Preliminary Indemnity Amount	P21	69	\$9999999999	Round to whole number.	
	Insured Share Percent	P11	43	9.9999	None	
Indemnity Amount = $\text{Preliminary Indemnity Amount} * \text{Multiple Commodity Adjustment Factor}$	Indemnity Amount	P21	70	\$9999999999	Round to whole number.	
	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
Total Indemnity $\sum \text{Indemnity Amount for the Unit}$	Total Indemnity	Internal		\$9999999999	Round to whole number.	

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

[illegible]

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Record Code: P21																	
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": 																	

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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 Peanuts, "0075":			Loss Guarantee Amount		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",		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).
Prevented Planting Add 5 Percent, "PF"								
Guarantee Per Acre1 = Approved Yield * Coverage Level Percent								
		Approved Yield	P11	42	99999999.99	None		
		Coverage Level Percent	P14	34	9.9999	None		
Cottonseed Endorsement Option "SE":			Modified Yield	Internal		99999999.99	Round to whole number.	Information (Approved Yield and Insured Share Percent) will be obtained from Cotton P11 record.
Modified Yield = Approved Yield * Option Conversion Factor			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	

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	0015 Canola	0041 Corn		0067 Dry Peas		0091 Barley
	0016 Oats	0043 Popcorn		0075 Peanuts		0094 Rye
	0018 Rice	0047 Dry Beans		0078 Sunflowers		0805 Weaned Calves
<u>Calculations</u>	<u>Field Name</u>	<u>Record Number</u>	<u>Field Number</u>	<u>Field Format</u>	<u>Field Rounding</u>	<u>Rules</u>
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.

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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 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

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	0018 Rice	0047 Dry Beans	0078 Sunflowers	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	S999999999	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	S999999999	Round to whole number.	
	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
Total Indemnity \sum Indemnity Amount for the Unit	Total Indemnity	Internal		S999999999	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 hundredth 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	

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

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	0018 Rice		0047 Dry Beans		0078 Sunflowers		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 = $\frac{\text{Guarantee Per Acre} \times \text{Price Election Amount} \times \text{Determined Acreage}}{\text{Liability Adjustment Factor}}$			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 = $\frac{\text{MAX}(\text{Production to Count Quantity} \times \text{ME Harvest Price}, 0)}{\text{Count}}$			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 = $\text{Production to Count Quantity} \times \text{Price Election Amount}$			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 = $\frac{\text{Loss Guarantee Amount} - \text{Revenue Conversion Production to Count}}{\text{Production to Count}}$			Unit Deficiency Quantity	P21	66	999999999.99	Round to nearest dollar and cents.	
Preliminary Indemnity Amount = $\text{Unit Deficiency Quantity} \times \text{Insured Share Percent}$			Preliminary Indemnity Amount	P21	69	999999999999	Round to whole number.	
			Insured Share Percent	P11	43	9.9999	None	
Indemnity Amount = $\frac{\text{Preliminary Indemnity Amount} \times \text{Multiple Commodity Adjustment Factor}}{\text{Adjustment Factor}}$			Indemnity Amount	P21	70	999999999999	Round to whole number	
			Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
Total Indemnity = $\sum \text{Indemnity Amount for the Unit}$			Total Indemnity	Internal		999999999999	Round to whole number.	

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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.

<div> <div>Exhibit Name: Indemnity Calculations</div> <div>Exhibit Number: P21-2, Plan 02 & 03</div> <div>Record Name: Acreage Claim</div> <div>Record Code: P21</div> </div> <div> <div>Reinsurance Year: 2024</div> <div>Version: Draft</div> <div>Release Date: 11/30/2023</div> </div>						
<u>Insurance Plan Code</u>	02 Revenue Protection		03 Revenue Protection with Harvest Price Exclusion			
<u>Commodity Code</u>	0011 Wheat	0021 Cotton	0051 Grain Sorghum	0081 Soybeans		
	0015 Canola	0041 Corn	0067 Dry Peas	0091 Barley		
	0016 Oats	0043 Popcorn	0075 Peanuts	0094 Rye		
	0018 Rice	0047 Dry Beans	0078 Sunflowers	0805 Weaned Calves		
<u>Calculations</u>	<u>Field Name</u>	<u>Record Number</u>	<u>Field Number</u>	<u>Field Format</u>	<u>Field Rounding</u>	<u>Rules</u>
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",round to	
	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".
Price Election Amount = Max(Formulated Producer Projected Price, Formulated Producer Harvest Price) * Price Election Percent						

<div> <div>Exhibit Name: Indemnity Calculations</div> <div>Exhibit Number: P21-2, Plan 02 & 03</div> <div>Record Name: Acreage Claim</div> <div>Record Code: P21</div> </div> <div> <div>Reinsurance Year: 2024</div> <div>Version: Draft</div> <div>Release Date: 11/30/2023</div> </div>						
<u>Insurance Plan Code</u>	02 Revenue Protection		03 Revenue Protection with Harvest Price Exclusion			
<u>Commodity Code</u>	0011 Wheat		0021 Cotton		0051 Grain Sorghum	
	0015 Canola		0041 Corn		0067 Dry Peas	
	0016 Oats		0043 Popcorn		0075 Peanuts	
	0018 Rice		0047 Dry Beans		0078 Sunflowers	
						0081 Soybeans
						0091 Barley
						0094 Rye
						0805 Weaned Calves
<u>Calculations</u>		<u>Field Name</u>	<u>Record Number</u>	<u>Field Number</u>	<u>Field Format</u>	<u>Field Rounding</u>
Revenue Protection with Harvest Price Exclusion, "03", Price Election Amount Calculation: Price Election Amount = Formulated Producer Projected Price * Price Election Percent		Price Election Amount	Internal		9999.999	When Commodity Code equals Weaned Calf, "XXXX",round to nearest whole cent [\$9.99].
		Formulated Producer Projected Price	Internal		99999.9999	None
		Price Election Percent	ICE		9.9999	None
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 = Production to Count Quantity * Harvest Price * (1+Harvest Price Adjustment Factor * (650-MAX(200, MIN(750, Production to Count Quantity)))) * Price Election Percent		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".
		Harvest Price Adjustment Factor	ADM		9.99999	Edit with ADM Price, "00810".
		Price Election Percent	ICE		9.9999	None
Revenue Protection with Harvest Price Exclusion, "03", Price Election Amount Calculation: 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		Revenue Conversion Production to Count	P21	45	99999999.99	Round to nearest dollar and cents.
		Production to Count Quantity	P21	34	99999999.99	
		Projected Price	ADM		99999.9999	Edit with ADM Price, "00810".
		Projected Price Adjustment Factor	ADM		9.99999	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	\$99999999.99	Round to nearest dollar and cents.
Preliminary Indemnity Amount = Unit Deficiency Quantity * Insured Share Percent		Preliminary Indemnity Amount	P21	66	\$9999999999	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	\$9999999999	Round to whole number.
		Multiple Commodity Adjustment Factor	ICE		9999.999	None
Total Indemnity = Indemnity Amount for the Unit		Total Indemnity	Internal		\$9999999999	Round to whole number.