Exhibit Name: Indemnity Calculations					
Exhibit Number: P21-3, Plan 04, 05, 06, & 13			**Reinsurance Year:** 2022		
Record Name: Acreage Claim			**Version:** Approved		
Record Code: P21			**Release Date:** 7/1/2021		

Insurance Plan Code	04 Group Risk Plan/Area Yield Protection 06 Area Revenue Protection with the Harvest Price Exclusion	05 Area Revenue Protection		13 Rainfall Index
Commodity Code	0011 Wheat 0018 Rice 0021 Cotton 0033 Forage Production	0041 Corn 0043 Popcorn 0051 Grain Sorghum 0075 Peanuts	0081 Soybeans 0088 Pasture, Rangeland, Forage 0091 Barley 0115 Oysters	0332 Annual Forage 1191 Apiculture

Calculations	**Field Name**	**Record Number**	**Field Number**	**Field Format**	**Field Rounding**	**Rules**
Section 1: Stage Guarantee Calculation						
Area Yield Protection, "04", or Area Revenue Protection with Harvest Price Exclusion, "06":						
When Commodity Codes equals Wheat, "0011", Rice, "0018", Cotton, "0021", Forage Production, "0033", Corn, "0041", Popcorn, "0043", Grain Sorghum, "0051", Peanuts, "0075", Soybeans, "0081", or Barley, "0091":	Acre Stage Guarantee Amount	P21	58	99999999.99	Round to 2 decimals.	
Acre Stage Guarantee Amount = Dollar Amount of Insurance	Dollar Amount of Insurance	Internal		99999999.99	Round to 2 decimals.	This will be the Dollar Amount of Insurance determined on the P11.
Area Revenue Protection, "05":						
When Commodity Codes equals Wheat, "0011", Rice, "0018", Cotton, "0021", Forage Production, "0033", Corn, "0041", Popcorn, "0043", Grain Sorghum, "0051", Soybeans, "0081", or Barley, "0091":	Acre Stage Guarantee Amount	P21	58	99999999.99	Round to 2 decimals.	
	Expected County Yield	ADM		99999999.99	None	Edit with ADM Area Price, "A00810". Expected County Yield will be stored in Expected Index Value in A00810.
	Projected Price	ADM		99999.9999	None	Edit with ADM Price, "A00810".
Acre Stage Guarantee Amount = Round(Expected County Yield * greater of (Projected Price or Harvest Price) * Price Election Percent, 2)	Harvest Price	ADM		99999.9999	None	Edit with ADM Price, "A00810".
	Price Election Percent	P14	35	9.9999	2 decimal places	Protection Factor. This will be the Price Election Percent reported on P14 and used in determination of P11 Dollar Amount of Insurance. If Native Sod applies to the associated P11 record, the Price Election Percent must equal 0.65 (65%).
Group Risk Plan, "04":						
When Commodity Codes equals Oysters, "0115":	Acre Stage Guarantee Amount	P21	58	99999999.99	None	
Acre Stage Guarantee Amount = Dollar Amount of Insurance	Dollar Amount of Insurance	Internal		99999999.99	None	
Rainfall Index, "13":						
When Commodity Code equals Pasture, Rangeland and Forage, "0088", Apiculture, "1191", or Annual Forage, "0332":	Acre Stage Guarantee Amount	P21	58	99999999.99	None	
Acre Stage Guarantee Amount = Dollar Amount of Insurance	Dollar Amount of Insurance	Internal		99999999.99	None	

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Insurance Plan Code	04 Group Risk Plan/Area Yield Protection 06 Area Revenue Protection with the Harvest Price Exclusion	05 Area Revenue Protection		13 Rainfall Index
Commodity Code	0011 Wheat 0018 Rice 0021 Cotton 0033 Forage Production	0041 Corn 0043 Popcorn 0051 Grain Sorghum 0075 Peanuts	0081 Soybeans 0088 Pasture, Rangeland, Forage 0091 Barley 0115 Oysters	0332 Annual Forage 1191 Apiculture

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Section 2: Loss Guarantee Calculation						
Area Yield Protection, "04", Area Revenue Protection, "05", or Area Revenue Protection with Harvest Price Exclusion, "06":						
When Commodity Codes equals Wheat, "0011", Rice, "0018", Cotton, "0021", Forage Production, "0033", Corn, "0041", Popcorn, "0043", Grain Sorghum, "0051", Peanuts, "005", Soybeans, "0081", and Barley, "0091": Loss Guarantee Amount = Acre Stage Guarantee Amount * Determined Acreage * Liability Adjustment Factor * Insured Share Percent	Loss Guarantee Amount	P21	60	99999999.99	Round to whole number	
	Determined Acreage	P21	18	99999999.99	None	
	Liability Adjustment Factor	P21	39	9.999999	None	
	Insured Share Percent	P11	43	9.9999	None	
Group Risk Plan, "04":						
When Commodity Code equals Oysters, "0115": Loss Guarantee Amount = Acre Stage Guarantee Amount * Determined Pounds	Loss Guarantee Amount	P21	60	99999999.99	Round to whole number	
	Determined Pounds	P21	20	9999999999	None	

Exhibit Name: Indemnity Calculations						
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Insurance Plan Code	04 Group Risk Plan/Area Yield Protection 06 Area Revenue Protection with the Harvest Price Exclusion	05 Area Revenue Protection		13 Rainfall Index
Commodity Code	0011 Wheat 0018 Rice 0021 Cotton 0033 Forage Production	0041 Corn 0043 Popcorn 0051 Grain Sorghum 0075 Peanuts	0081 Soybeans 0088 Pasture, Rangeland, Forage 0091 Barley 0115 Oysters	0332 Annual Forage 1191 Apiculture

Calculations		**Field Name**	**Record Number**	**Field Number**	**Field Format**	**Field Rounding**	**Rules**
Rainfall Index, "13":							
When Insurance Plan Code equals Rainfall Index, "13" and Commodity Code equals Pasture, Rangeland and Forage, "0088", or Annual Forage, "0332":		Loss Guarantee Amount	P21	60	99999999.99	Round to whole number	Policy Protection (unit)
		Total Insured Acreage	P11	72	999999.99	None	
Loss Guarantee Amount =	Round(Acre Stage Guarantee Amount * Total Insured Acreage * Percent of Value,0) * Insured Share Percent * Liability Adjustment Factor	Percent of Value	P11	71	9.99	None	Percent of Value for Annual Forage, "0332", will be pulled from P14 field 45.
		Insured Share Percent	P11	43	9.9999	None	
		Liability Adjustment Factor	P21	39	9.999999	None	As allowed under Section 6 (h)(2) of RI and VI Basic Provisions.
When Insurance Plan Code equals Rainfall Index, "13" and Commodity Code equals Apiculture, "1191":		Loss Guarantee Amount	P21	60	99999999.99	Round to whole number	Policy Protection (unit)
		Total Insured Colonies	P11	73	9999999	None	
Loss Guarantee Amount =	Round(Acre Stage Guarantee Amount * Total Insured Colonies * Percent of Value,0) * Insured Share Percent	Percent of Value	P11	71	9.99	None	
		Insured Share Percent	P11	43	9.9999	None	
Section 3: Indemnity Calculation							
Area Yield Protection, "04", Area Revenue Protection, "05", or Area Revenue Protection with Harvest Price Exclusion, "06":							
When Commodity Codes equals Wheat, "0011", Rice, "0018", Cotton, "0021", Forage Production, "0033", Corn, "0041", Popcorn, "0043", Grain Sorghum, "0051", Peanuts, "0075", Soybeans, "0081", or Barley, "0091":		Preliminary Indemnity Amount	P21	62	S9999999999	Round to whole number	
Preliminary Indemnity Amount =	Loss Guarantee Amount * Payment Factor	Payment Factor	ADM		9.999	None	Edit with ADM Area Coverage Level, "A01130".

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Insurance Plan Code	04 Group Risk Plan/Area Yield Protection 06 Area Revenue Protection with the Harvest Price Exclusion	05 Area Revenue Protection		13 Rainfall Index
Commodity Code	0011 Wheat 0018 Rice 0021 Cotton 0033 Forage Production	0041 Corn 0043 Popcorn 0051 Grain Sorghum 0075 Peanuts	0081 Soybeans 0088 Pasture, Rangeland, Forage 0091 Barley 0115 Oysters	0332 Annual Forage 1191 Apiculture

Calculations	**Field Name**	**Record Number**	**Field Number**	**Field Format**	**Field Rounding**	**Rules**
Group Risk Plan, "04":						
When Commodity Code equals Oysters, "0115": Preliminary Indemnity Amount = Loss Guarantee Amount * Insured Share Percent * Payment Factor * Misreported Information Factor	Preliminary Indemnity Amount	P21	62	S9999999999	Round to whole number	
	Insured Share Percent	P11	43	9.9999	None	
	Payment Factor	ADM		9.999	None	Edit with ADM Area Coverage Level, "A01130".
	Misreported Information Factor	P21	46	9.999999	None	
When Insurance Plan Code equals Rainfall Index, "13":						
Preliminary Indemnity Amount = Loss Guarantee Amount * Payment Factor	Preliminary Indemnity Amount	P21	62	S9999999999	Round to whole number	
	Payment Factor	ADM		9.999999	None	Edit with ADM Area Coverage Level, "A01130".
All Plans:						
Indemnity Amount = Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor	Indemnity Amount	P21	63	S9999999999	Round to whole number	
	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063". Not applicable for Apiculture.