Exhibit Name: Indemnity Calculations
Exhibit Number: P21-3, Plan 04, 05, 06, 13 & 14
Record Name: Acreage Claim
Record Code: P21
Reinsurance Year: 2015
Version: Approved
Release Date: 8/9/2016

Insurance Plan Code	04 Group Risk Plan/Area Yield Protection	05 Area Revenue Protection		13 Rainfall Index
	06 Area Revenue Protection with the Harvest Price Exclusion			14 Vegetation Index
Commodity Code	0011 Wheat	0041 Corn	0081 Soybeans	0332 Annual Forage
	0018 Rice	0043 Popcorn	0088 Pasture, Rangeland, Forage	1191 Apiculture
	0021 Cotton	0051 Grain Sorghum	0091 Barley	
	0033 Forage Production	0075 Peanuts	0115 Oysters	

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	55	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	55	99999999.99	Round to 2 decimals.	
Acre Stage Guarantee Amount = Round(Expected County Yield * greater of (Projected Price or Harvest Price) * Price Election Percent, 2)	Expected County Yield	ADM		99999999.99	None	Edit with ADM Area Risk Rate, "A01005". Expected County Yield will be stored in Expected Index Value in A01005.
	Projected Price	ADM		99999.9999	None	Edit with ADM Price, "A00810".
	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	55	99999999.99	None	
Acre Stage Guarantee Amount = Dollar Amount of Insurance	Dollar Amount of Insurance	Internal		99999999.99	None	
Rainfall Index, "13", or Vegetation Index, "14":						
When Commodity Code equals Pasture, Rangeland and Forage, "0088", Apiculture, "1191", or Annual Forage, "0332":	Acre Stage Guarantee Amount	P21	55	99999999.99	None	
Acre Stage Guarantee Amount = Dollar Amount of Insurance	Dollar Amount of Insurance	Internal		99999999.99	None	

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	0021 Cotton	0051 Grain Sorghum	0091 Barley	
	0033 Forage Production	0075 Peanuts	0115 Oysters	

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	P21	57	99999999.99	Round to whole number	
Loss Guarantee Amount = Acre Stage Guarantee Amount * Determined Acreage * Liability Adjustment Factor * Insured Share Percent	Determined Acreage	P21	18	99999999.99	None	
	Liability Adjustment Factor	P21	39	9.999999	None	
	Insured Share Percent	P11	44	9.999	None	
Group Risk Plan, "04":						
When Commodity Code equals Oysters, "0115":	Loss Guarantee Amount	P21	57	99999999.99	Round to whole number	
Loss Guarantee Amount = Acre Stage Guarantee Amount * Determined Pounds	Determined Pounds	P21	20	9999999999	None	

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Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Rainfall Index, "13", or Vegetation Index, "14":						
When Insurance Plan Code equals Rainfall Index, "13", or Vegetation Index, "14" and Commodity Code equals Pasture, Rangeland and Forage, "0088", or Insurance Plan Code equals Rainfall Index, "13", and Commodity Code equals, Annual Forage, "0332":	Loss Guarantee Amount	P21	57	99999999.99	Round to whole number	Policy Protection (unit)
Loss Guarantee Amount = Round(Acre Stage Guarantee Amount * Total Insured Acreage * Percent of Value,0) * Insured Share Percent * Liability Adjustment Factor	Total Insured Acreage	P11	75	999999.99	None	
	Percent of Value	P11	74	9.99	None	Percent of Value for Annual Forage, "0332", will be pulled from P14 field 45.
	Insured Share Percent	P11	44	9.999	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", or Vegetation Index, "14" and Commodity Code equals Apiculture, "1191":	Loss Guarantee Amount	P21	57	99999999.99	Round to whole number	Policy Protection (unit)
Loss Guarantee Amount = Round(Acre Stage Guarantee Amount * Total Insured Colonies * Percent of Value,0) * Insured Share Percent	Total Insured Colonies	P11	76	9999999	None	
	Percent of Value	P11	74	9.99	None	
	Insured Share Percent	P11	44	9.999	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	59	S9999999999	Round to whole number	
Preliminary Indemnity Amount = Loss Guarantee Amount * Payment Factor	Payment Factor	ADM		9.999	None	Edit with ADM Area Risk Rate, "A01005".

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	0021 Cotton	0051 Grain Sorghum	0091 Barley	
	0033 Forage Production	0075 Peanuts	0115 Oysters	

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	P21	59	S9999999999	Round to whole number	
Preliminary Indemnity Amount = Loss Guarantee Amount * Insured Share Percent * Payment Factor * Misreported Information Factor	Insured Share Percent	P11	44	9.999	None	
	Payment Factor	ADM		9.999	None	Edit with ADM Area Risk Rate, "A01005".
	Misreported Information Factor	P21	46	9.999999	None	
When Insurance Plan Code equals Rainfall Index, "13", or Vegetation Index, "14":						
Preliminary Indemnity Amount = Loss Guarantee Amount * Payment Factor	Preliminary Indemnity Amount	P21	59	S9999999999	Round to whole number	
	Payment Factor	ADM		9.999999	None	Edit with ADM Area Risk Rate, "A01005".
All Plans:						
Indemnity Amount = Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor	Indemnity Amount	P21	60	S9999999999	Round to whole number	
	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063". Not applicable for Apiculture.