	Exhibit Name: Indemnity Calculations Exhibit Number: P21-1, Plan 01 Record Name: Acreage Claim Record Code: P21			Reinsurance Year: 2015 Version: Approved Release Date: 9/20/2018						
Insurance Plan Code		01 Yield Protection								
	0011 Wheat	0021 Cotton			0047 Dry Beans		0075 Peanuts			
<u>Commodity Code</u>	0015 Canola 0018 Rice	0041 Corn 0043 Popcorn			0051 Grain Sorg 0067 Dry Peas		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			
ection 1: Stage Guarante						<u> </u>				
Guarantee Per Acre1	1 = Approved Yield * Coverage Level Percent	Guarantee Per Acre1	Internal			When Unit of Measure equals Tons, "Tons", then Round to 2 decimals	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	43	999999999.99	None				
		Coverage Level Percent	P14	34	9.9999	None				
Cottonseed Endorsement	Option "SE":	Modified Yield	Internal		999999999.99	Round to whole number.	Information (Approved Yield and Insured Share Percent) will be obtained from Cotton P11 record.			
Modified Yield	d = Approved Yield * Option Conversion Factor	Approved Yield	P11	43	999999999.99	None				
		Option Conversion Factor	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".			
Guarantee Per Acrea	1 = Modified Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		999999999.99	Round to whole number.				
		Coverage Level Percent	P14	34	9.9999	None				
Guarantee Per Acre2	2 = Guarantee Per Acre1 * Guarantee Adjustment Factor	Guarantee Per Acre2	Internal		999999999.99		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	72	0.999	None				
Acre Stage Guarantee	e = Guarantee Per Acre2 * Price Election Amount	Acre Stage Guarantee Amount	P21	55	999999999.99	Round to nearest dollar and cents.	Not used in determination of Loss Guarante Amount			
Amoun	t	Price Election Amount	P11	46	9999.9999		Common Crop Insurance Policy 'yield protection guarantee (per acre)'.			

	Exhibit Name: Indemnity Calculations Exhibit Number: P21-1, Plan 01 Record Name: Acreage Claim Record Code: P21				Reinsurance Year: 2015 Version: Approved Release Date: 9/20/2018					
Insurance Plan Code		01 Yield Protection								
	0011 Wheat	0021 Cotton			0047 Dry Beans		0075 Peanuts			
	0015 Canola	0041 Corn			0051 Grain Sorg	hum	0078 Sunflowers			
	0018 Rice	0043 Popcorn			0067 Dry Peas		0081 Soybeans 0091 Barley			
	Colculations	<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>	Pulsa			
	Calculations	Name	Number	<u>Number</u>	<u>Format</u>	Rounding	Rules			
Section 2: Loss Guarantee C	alculation	-	1		-					
Loss Guarantee Amount =	Guarantee Per Acre2 * Price Election Amount *	Loss Guarantee Amount	P21	57	999999999.99	Round to nearest dollar and cents.				
	Determined Acreage * Liability Adjustment Factor	Determined Acreage	P21	18	999999999.99	None				
		Liability Adjustment Factor	P21	39	9.999999	None				
Section 3: Indemnity Calcula	ation									
Revenue Conversion		Revenue Conversion Production to Count	P21	45	999999999.99	Round to nearest dollar and cents.				
Production to Count	Production to Count Quantity * Price Election Amount	Production to Count Quantity	P21	34	99999999.99	None				
		Price Election Amount	P11	46	9999.9999					
Unit Deficiency Quantity =	Loss Guarantee Amount – Revenue Conversion Production to Count	Unit Deficiency Quantity	P21	56	\$999999999.99	Round to nearest dollar and cents.				
	Unit Deficiency Quantity * Insured Share Percent	Preliminary Indemnity Amount	P21	59	\$999999999999	Round to whole number.				
Amount		Insured Share Percent	P11	44	9.999	None				
	Preliminary Indemnity Amount * Multiple Commodity	Indemnity Amount	P21	60	\$99999999999	Round to whole number.				
	Adjustment Factor	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".			
Total Indemnity	∑ Indemnity Amount for the Unit	Total Indemnity	Internal		S999999999999	Round to whole number.				
Replant Payment for Yield P	rotection, "01"									
Section 4: Replant Payment	Stage Guarantee Calculation									
When Stage Code equals	Replanted, "R",									
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	Common Crop Insurance Policy 'production guarantee (per acre)'. Guarantee Per Acre1 should be rounded to			
	- Approved field * Coverage Level Percent					decimals. Otherwise, Round to 1 decimal.	whole pounds for Dry Beans, "0047" (all types), and Dry Peas, "0067" (all types).			
		Approved Yield	P11	43	99999999.99	None				
		Coverage Level Percent	P14	34	9.9999	None				

Exhibit Name: Indemnity Calculations         Exhibit Number: P21-1, Plan 01         Record Name: Acreage Claim         Record Code: P21         Insurance Plan Code         0011 Wheat       0011 Cotton         0015 Canola       0041 Corn         0018 Rice       0043 Popcorn			Reinsurance Year: 2015         Version: Approved         Release Date: 9/20/2018         0047 Dry Beans       0075 Peanuts         0051 Grain Sorghum       0078 Sunflowers         0067 Dry Peas       0081 Soybeans         0091 Barley       091 Barley					
	Calculations	<u>Field</u> Name	Record Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules	
Guarantee Per Acre2	= Guarantee per Acre1 * Guarantee Adjustment Factor	Guarantee Per Acre2	Internal		999999999.99		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	72	0.999	None		
Commodity Code <u>not</u> equa	al Dry Beans, "0047" or Peanuts, "0075":	Acre Stage Guarantee Amount	P21	55	9999999999.99	Round to nearest dollar and cents.	Not used in determination of Loss Guarantee Amount	
		Price Election Amount	P11	46	99999.9999	None		
		Maximum Replant Guarantee Per Acre	ICE				Edit with SPOI ICE "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 Acre2. 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)	

	Exhibit Number:	Acreage Claim		Re	einsurance Year: Version: Release Date:	Approved	
Insurance Plan Code		01 Yield Protection					
Commodity Code	0011 Wheat 0015 Canola 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorg 0067 Dry Peas		0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	Calculations	<u>Field</u> Name	<u>Record</u> Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules
Commodity Code equal Dry	Beans, "0047:	Acre Stage Guarantee Amount	P21	55	9999999999.99	Round to nearest dollar and cents.	Not used in determination of Loss Guarante
		Price Election Amount	P11	46	99999.9999	None	
		Maximum Replant Guarantee Per Acre	ICE				Edit with SPOI ICE "D00129". If lesser of submitin AIP Acre Stage Guarantee field 36 a 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		999999999.99	Pounds, "LBS", Round to whole Number.	Result of '10% of Guarantee Per Acre2' will used in 'Acre Stage Guarantee Amount' calculation and 'Loss Guarantee Amount' calculation. Value of '10% of Guarantee Per Acre2' should be rounded before compare t '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	999999999.99		Insured's Actual Cost will be submitted in A Acre Stage Guarantee field if lesser of converted to pounds per Dry Beans Loss Adjustment Handbook.
Commodity Code equal Pea							
Acre Stage Guarantee Amount =	- Maximum Replant Guarantee Per Acre	Maximum Replant Guarantee Per Acre	ICE				Edit with SPOI ICE "D00129".
ection 5: Replant Payment	t Loss Guarantee Calculation						
Commodity Code <u>not</u> equal	Dry Beans, "0047" or Peanuts, "0075":	Loss Guarantee Amount	P21	57	999999999.99	Round to nearest dollar and cents.	
Loss Cuarantoo Amount -	Lesser of ((20% of Guarantee Per Acre2) or Maximum = Replant Guarantee Per Acre) * Price Election Amount *	Determined Acreage	P21	18	999999999.99	None	
Loss Guarantee Amount -	Determined Acreage * Liability Adjustment Factor	Liability Adjustment Factor	P21	39	9.999999	None	
Commodity Code equal Dry		Loss Guarantee Amount	P21	57	999999999.99	Round to nearest dollar and cents.	
Loss Guarantee Amount =	Lesser of (Insured's Actual Cost or Round(10% of Guarantee Per Acre2, 0) or Maximum Replant	Determined Acreage	P21	18	999999999.99	None	
	Guarantee Per Acre) * Price Election Amount * Determined Acreage * Liability Adjustment Factor	Liability Adjustment Factor	P21	39	9.999999	None	
Commodity Code equal Pea	nuts, "0075":						
, <b>- - -</b>		Loss Guarantee Amount	P21	57	999999999.99	Round to nearest dollar and cents.	
Loss Guarantee Amount =	Maximum Replant Guarantee Per Acre *	Determined Acreage	P21	18	999999999.99	None	

Exhibit Numl		Indemnity Calculations       P21-1, Plan 01     Reinsurance Year: 2015       Acreage Claim     Version: Approved       P21     Release Date: 9/20/2018					
Insurance Plan Code		01 Yield Protection					
	0011 Wheat	0021 Cotton			0047 Dry Beans		0075 Peanuts
Commodity Code	0015 Canola	0041 Corn			0051 Grain Sorg	0078 Sunflowers	
	0018 Rice	0043 Popcorn		0067 Dry Peas			0081 Soybeans
							0091 Barley
		Field	Record	Field	<u>Field</u>	Field	
	<u>Calculations</u>	Name	Number	Number	<u>Format</u>	Rounding	Rules
	Determined Acreage * Liability Adjustment Factor	Liability Adjustment Factor	P21	39	9.999999	None	
ection 6: Replant Payme	ent Indemnity Calculation						
Indomnity Amount			P21	60	\$99999999999	Round to whole number.	
indemnity Amoun	t = Loss Guarantee Amount * Insured Share Percent	Insured Share Percent	P11	44	9.999	None	
Total Indemnity	$\gamma \sum$ Indemnity Amount for the Unit	Total Indemnity	Internal		\$99999999999	Round to whole number.	

Insurance Plan Code       0011 Wheat         Commodity Code       0015 Canola         0018 Rice       0018 Rice         Calculations         Prevented Planting Payment for Yield Protection         Section 7: Prevented Planting Payment Stage Code equals:		01 Yield Protection 0021 Cotton 0041 Corn 0043 Popcorn					
Commodity Code       0015 Canola         0018 Rice         Calculations         Prevented Planting Payment for Yield Protectic         Section 7: Prevented Planting Payment Stage Code         When Stage Code equals:		0041 Corn					
0018 Rice <u>Calculations</u> Prevented Planting Payment for Yield Protectic Section 7: Prevented Planting Payment Stage Code equals:					0047 Dry Beans		0075 Peanuts
<u>Calculations</u> Prevented Planting Payment for Yield Protectic Section 7: Prevented Planting Payment Stage G When Stage Code equals:		0043 Popcorn			0051 Grain Sorg	hum	0078 Sunflowers
Prevented Planting Payment for Yield Protectic Section 7: Prevented Planting Payment Stage C When Stage Code equals:					0067 Dry Peas		0081 Soybeans
Prevented Planting Payment for Yield Protectic Section 7: Prevented Planting Payment Stage C When Stage Code equals:							0091 Barley
Prevented Planting Payment for Yield Protectic Section 7: Prevented Planting Payment Stage C When Stage Code equals:		<u>Field</u>	Record	Field	<u>Field</u>	<u>Field</u>	
Section 7: Prevented Planting Payment Stage C When Stage Code equals:		Name	Number	<u>Number</u>	<u>Format</u>	<u>Rounding</u>	Rules
When Stage Code equals:							
	Suarantee Calculation		1		-		
Prevented Plantin	g Option 2, "P2",						
	g Add 10 Percent, "PT", g Add 5 Percent, "PF"						
Guarantee Per Acre1 = Approved Yield * Coverage Level Percent		Guarantee Per Acre1	Internal		999999999.99	When Unit of Measure equals Tons, "Tons", then Round to 2 decimals	Common Crop Insurance Policy 'production guarantee (per acre)'. Guarantee Per Acre1 should be rounded to whole pounds for Dry Beans, "0047" (all
						Otherwise, Round to 1 decimal.	types), and Dry Peas, "0067" (all types).
		Approved Yield	P11	43	999999999.99	None	
		Coverage Level Percent	P14	34	9.9999	None	
Cottonseed Endorsement Option "SE":		Modified Yield	Internal		999999999.99	Round to whole number.	Information (Approved Yield and Insured Share Percent) will be obtained from Cotton P11 record.
Modified Yield = Approved Yield * 0	Option Conversion Factor	Approved Yield	P11	43		None	
		Option Conversion Factor	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".
Guarantee Per Acre1 = Modified Yield * C	overage Level Percent	Guarantee Per Acre1	Internal	24	999999999.99	Round to whole number.	
Guarantee Per Acre2 = Guarantee per Acr	e1 * Guarantee Adjustment Factor	Coverage Level Percent Guarantee Per Acre2 Guarantee Adjustment Factor	P14 Internal	72	9.9999 999999999.99 0.999	When Unit of Measure equals	Guarantee Per Acre2 should be rounded to whole pounds for Dry Beans, "0047" (all types), and Dry Peas, "0067" (all types).

	Exhibit Number	Acreage Claim		R	einsurance Year: Version: Release Date:	Approved	
Insurance Plan Code		01 Yield Protection					
Commodity Code	0011 Wheat 0015 Canola 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorg 0067 Dry Peas	hum	0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	<u>Record</u> <u>Number</u>	<u>Field</u> <u>Number</u>	<u>Field</u> Format	<u>Field</u> <u>Rounding</u>	Rules
Acre Stage Guarantee Amount	= Guarantee Per Acre2 * Price Election Amount	Acre Stage Guarantee Amount	P21	55	999999999999999999	Round to nearest dollar and cents.	Common Crop Insurance Policy 'yield protecton guarantee (per acre)'. Not used in determination of Loss Guarantee Amount.
Castion & Dravantad Dlanti	ing Payment Loss Guarantee Calculation	Price Election Amount	P11	46	99999.9999	None	
Loss Guarantee Amount :	Guarantee Per Acre2 * Price Election Amount *	Loss Guarantee Amount	P21	57	999999999.99	Round to nearest dollar and cents.	
Determined Acreage * Liability Adjustment Factor	Determined Acreage Liability Adjustment Factor	P21 P21	18 39	999999999.99 9.999999	None None		
ection 9: Prevented Planti	ing Payment Indemnity Calculation						
Preliminary Indemnity Amount	= Loss Guarantee Amount * Insured Share Percent	Preliminary Indemnity Amount Insured Share Percent	P21 P11	59 44	\$999999999999 9.999	Round to whole number. None	
Indemnity Amount =	Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor	Indemnity Amount Multiple Commodity Adjustment Factor	P21 ICE	60	\$9999999999999 9999.999	Round to whole number. None	Edit with ICE Multiple Cropping, "D00063".
Total Indemnity	∑ Indemnity Amount for the Unit	Total Indemnity	Internal		S99999999999	Round to whole number.	
	uality Endorsement (Options MA and MB) Stage Guarantee Calculation						
		Guarantee Per Acre1	Internal		9999999999.9	Round to 1 decimal.	
Guarantee Per Acre1 :	= Approved Yield * Coverage Level Percent	Approved Yield	P11	43	999999999.99	None	Common Crop Insurance Policy
		Coverage Level Percent	P14	34	9.9999	None	
Guarantee Per Acre2 :	= Guarantee per Acre1 * Guarantee Adjustment Factor	Guarantee Per Acre2	Internal		999999999.99	Round to 1 decimal.	
		Guarantee Adjustment Factor	P11	72	0.999	None	
Acre Stage Guarantee Amount	<ul> <li>Guarantee Per Acre2 * Price Election Amount</li> </ul>	Acre Stage Guarantee Amount	P21	55	9999999999.99	Round to dollar and Cents	Common Crop Insurance Policy 'yield protecton guarantee (per acre)'. Not used ir determination of Loss Guarantee.
Anodit		Price Election Amount	P11	46	99999.9999	None	

	Exhibit Number	Acreage Claim		R	einsurance Year: Version: Release Date:	Approved	
Insurance Plan Code		01 Yield Protection					
	0011 Wheat	0021 Cotton			0047 Dry Beans		0075 Peanuts
Commodity Code	0015 Canola	0041 Corn			0051 Grain Sorg	hum	0078 Sunflowers
	0018 Rice	0043 Popcorn			0067 Dry Peas		0081 Soybeans
						0091 Barley	
	Calculations	<u>Field</u> Name	<u>Record</u> Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Bular
		Name	Number	Number	Format	Kounding	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	57	999999999.99	Round to nearest dollar and cents.	
Loss Guarantee Amount		Determined Acreage	P21	18	99999999.99	None	
		Liability Adjustment Factor	P21	39	9.999999	None	
Section 12: Malting Barley	Indemnity Calculation						
Revenue Conversion	= Production to Count Quantity * Price Election Amount	Revenue Conversion Production To Count	P21	45	999999999.99	Round to nearest dollar and cents.	
Production To Count	= Production to Count Quantity * Price Election Amount	Production to Count Quantity	P21	34	99999999.99	None	
		Price Election Amount	P11	46	99999.9999	None	
Unit Deficiency Quantity	= Loss Guarantee Amount – Revenue Conversion Production to Count	Unit Deficiency Quantity	P21	56	\$999999999.99	Round to nearest dollar and cents.	
Preliminary Indemnity		Preliminary Indemnity Amount	P21	59	\$99999999999	Round to whole number.	
Amount		Insured Share Percent	P11	44	9.999	None	
	Proliminary Indomnity Amount * Multiple Commodity	Indemnity Amount	P21	60	\$99999999999	Round to whole number	
Indemnity Amount	= Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
Total Indemnity	Σ Indemnity Amount for the Unit	Total Indemnity	Internal		\$99999999999	Round to whole number.	

	Exhibit Number	: Acreage Claim		R	einsurance Year: Version: Release Date:	Approved	
Insurance Plan Code		01 Yield Protection					
<u>Commodity Code</u>	0011 Wheat 0015 Canola 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorg 0067 Dry Peas	hum	0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley
	Calculations	<u>Field</u> Name	<u>Record</u> <u>Number</u>	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> <u>Rounding</u>	Rules
Downed Rice Payment, op	otion "DC", for Yield Protection, "01", Stage Code = "DQ".						If Determined Acreage is <= Insured Acreage10 then no payment; if Determined Acreage is > Insured Acreage and < Insured Acreage50 then payment wit deductible; if Determined Acreage is => Insured Acreage50 then payment without deductible
ection 13: Downed Rice	Payment Loss Guarantee Calculation				-		
	= Reported Acreage * 10%	Insured Acreage10	Internal		999999999.99	Round to 1 decimal.	
Insured Acreage10		Reported Acreage	P11	49	9999999.99	None	Summed P11 DRE reported acreage for the unit.
	= Reported Acreage * 50%	Insured Acreage50	Internal		999999999.99	Round to 1 decimal.	
Insured Acreage50		Reported Acreage	P11	49	99999999.99	None	Summed P11 DRE reported acreage for the unit.
Determined Acreage	= Harvested Downed Rice Acreage	Determined Acreage	P21	18	999999999.99	None	Harvested Downed Rice Acreage
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	P21	57	999999999.99	Round to nearest dollar and cents.	
Loss Guarantee Amount	Payable Downed Rice Acreage * Harvest Expense t = Amount * Price Election Percent * Liability Adjustment Factor	Harvest Expense Amount	ADM		99999	None	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	
ection 14: Downed Rice	Payment Indemnity Calculation					1	
Indomnity Amount	t - Loss Guarantoo Amount * Insurad Shara Darcant	Indemnity Amount	P21	60	\$999999999999	Round to whole number.	
	t = Loss Guarantee Amount * Insured Share Percent	Insured Share Percent	P11	44	9.999	None	
							Only Downed Rice records, no base Rice