	Exhibit Name: Indemnity Calculations Exhibit Number: P21-1, Plan 01 Record Name: Acreage Claim Record Code: P21			Reinsurance Year: 2014 Version: Approved Release Date: 9/27/2018						
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	0078 SunFlowers 0081 Soybeans 0091 Barley			
	<u>Calculations</u>	<u>Field</u> Name	Record Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules			
Section 1: Stage Guarante	ee Calculation		•							
		Guarantee Per Acre1	Internal		999999999.99	When Unit of Measure equals Pounds, "LBS", then Round to whole Number. When Unit of Measure equals	Common Crop Insurance Policy 'production guarantee (per acre)'. Guarantee Per Acre1 should be rounded to			
Guarantee Per Acres	Guarantee Per Acre1 = Approved Yield * Coverage Level Percent					Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.	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	I = 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 Acre1	= Modified Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		999999999.99	Round to whole number.				
		Coverage Level Percent	P14	34	9.9999	None				
						When Unit of Measure equals Pounds, "LBS", then Round to whole Number.	Guarantee Per Acre2 should be rounded to			
Guarantee Per Acre2 =	Guarantee Per Acre1 * Guarantee Adjustment Factor	Guarantee Per Acre2	Internal		999999999.99	When Unit of Measure equals Tons, "Tons", then Round to 2 decimals. Otherwise, Round to 1 decimal.	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	= 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 Guarantee Amount			
Amount	t	Price Election Amount	P11	46	9999.9999		Common Crop Insurance Policy 'yield protecton guarantee (per acre)'.			

	: Indemnity Calculations : P21-1, Plan 01 : Acreage Claim : P21	1, Plan 01 Reinsurance Year: 2014						
Insurance Plan Code		01 Yield Protection						
	0011 Wheat	0021 Cotton			0047 Dry Beans		0078 SunFlowers	
Commodity Code	0015 Canola	0041 Corn			0051 Grain Sorg	hum	0081 Soybeans	
	0018 Rice	0043 Popcorn			0067 Dry Peas		0091 Barley	
	Calculations	<u>Field</u> <u>Name</u>	<u>Record</u> Number	<u>Field</u> Number	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules	
Section 2: Loss Guarantee Ca	alculation							
Loss Guarantee Amount =	Guarantee Per Acre2 * Price Election Amount *	Loss Guarantee Amount	P21	57	999999999.99	Round to nearest dollar and cents.		
Loss Guarantee Amount =	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.		
Preliminary Indemnity	Unit Deficiency Quantity * Insured Share Percent	Preliminary Indemnity Amount	P21	59	\$999999999999	Round to whole number.		
Amodin		Insured Share Percent	P11	44	9.999	None		
	Preliminary Indemnity Amount * Multiple Commodity	Indemnity Amount	P21	60	\$99999999999	Round to whole number.		
	Preliminary Indemnity Amount * Multiple Commodity 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		\$99999999999	Round to whole number.		
Replant Payment for Yield Pr Section 4: Replant Payment When Stage Code equals	Stage Guarantee Calculation					I	Γ	
	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	43	999999999.99	None		

Insurance Plan Code	Exhibit Number: Record Name: Record Code:	Acreage Claim			einsurance Year: Version: Release Date: 0047 Dry Beans	Approved	0078 SunFlowers
		0041 Corn 0043 Popcorn			0051 Grain Sorg 0067 Dry Peas	hum	0081 Soybeans 0091 Barley
Calc	culations	<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>	<u>Rules</u>
Guarantee Per Acre2 = Gua	arantee per Acre1 * Guarantee Adjustment Factor	Guarantee Per Acre2	Internal		99999999.99		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> equal Dry E	Beans, "0047:	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 = (209 Amount = OR	Maximum Replant Guarantee Per Acre) * Price ction 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)

	Exhibit Name: Indem Exhibit Number: P21-1, Record Name: Acrea Record Code: P21			Acreage Claim Version: Approved						
Insurance Plan Code		01 Yield Protection								
Commodity Code	0011 Wheat 0015 Canola	0021 Cotton 0041 Corn			0047 Dry Beans 0051 Grain Sorg 0067 Dry Peas	hum	0078 SunFlowers 0081 Soybeans			
	0018 Rice Calculations	0043 Popcorn <u>Field</u> <u>Name</u>	<u>Record</u> Number	<u>Field</u> Number	Field Format	<u>Field</u> Rounding	0091 Barley <u>Rules</u>			
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 Guarantee Amount			
		Price Election Amount	P11	46	99999.9999	None				
		Maximum Replant Guarantee Per Acre	ICE				Edit with SPOI ICE "D00129". If lesser of submit in AIP Acre Stage Guarantee field 37 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 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 37 as pounds before price. If 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 AIP Acre Stage Guarantee field 37 if lesser of converted to pounds per Dry Beans Loss Adjustment Handbook.			
Section 5: Replant Payment	t Loss Guarantee Calculation									
Commodity Code <u>not</u> equal	Dry Beans, "0047:	Loss Guarantee Amount	P21	57	999999999.99	Round to nearest dollar and cents.				
Loss Guarantee Amount =	Lesser of ((20% of Guarantee Per Acre2) or Maximum = Replant Guarantee Per Acre) * Price Election Amount *	Determined Acreage	P21	18	999999999.99	None				
	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				
Section 6: Replant Payment	t Indemnity Calculation									
	- Loss Guarantee Amount * Insured Share Percent	Indemnity Amount	P21	60	\$999999999999	Round to whole number.				
Total Indomnity	5 Indomnity Amount for the Unit	Insured Share Percent	P11	44	9.999	None Round to whole number				
Total Indemnity	Σ Indemnity Amount for the Unit	Total Indemnity	Internal		\$99999999999	Round to whole number.				

	Exhibit Number	Acreage Claim Version: Approved							
Insurance Plan Code		01 Yield Protection							
Commodity Code	0011 Wheat 0015 Canola	0021 Cotton 0041 Corn			0047 Dry Beans 0051 Grain Sorg		0078 SunFlowers 0081 Soybeans		
	0018 Rice	0043 Popcorn Field Name	<u>Record</u> Number	<u>Field</u> Number	0067 Dry Peas <u>Field</u> <u>Format</u>	<u>Field</u> Rounding	0091 Barley Rules		
Section 7: Prevented Plar	ent for Yield Protection, "01". nting Payment Stage Guarantee Calculation				[
When Stage Code equals:	Prevented Planting Option 2, "P2",								
	Prevented Planting Add 10 Percent, "PT", Prevented Planting Add 5 Percent, "PF"								
						When Unit of Measure equals Pounds, "LBS", then Round to whole Number.	Common Crop Insurance Policy 'production guarantee (per acre)'.		
Guarantee Per Acre1	Guarantee Per Acre1 = Approved Yield * Coverage Level Percent		Internal		999999999.99	When Unit of Measure equals Tons, "Tons", then Round to 2 decimals.	Guarantee Per Acre1 should be rounded to whole pounds for Dry Beans, "0047" (all types), and Dry Peas, "0067" (all types).		
						Otherwise, Round to 1 decimal.			
		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 Acre	1 = Modified Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		999999999.99	Round to whole number.			
Guarantee Per Acre2	2 = Guarantee per Acre1 * Guarantee Adjustment Factor	Coverage Level Percent Guarantee Per Acre2 Guarantee Adjustment Factor	P14 Internal	72	9.9999	None 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. None	Guarantee Per Acre2 should be rounded to whole pounds for Dry Beans, "0047" (all types), and Dry Peas, "0067" (all types).		

Exhibit Name: Indemnity Calculations Exhibit Number: P21-1, Plan 01 Record Name: Acreage Claim Record Code: P21			Reinsurance Year: 2014 Version: Approved Release Date: 9/27/2018					
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	0078 SunFlowers 0081 Soybeans 0091 Barley	
	Calculations	<u>Field</u> <u>Name</u>	<u>Record</u> Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules	
Acre Stage Guarantee Amount	Guarantee Per Acre2 * Price Election Amount	Acre Stage Guarantee Amount	P21	55	9999999999.99	Round to nearest dollar and cents.	Common Crop Insurance Policy 'yield protecton guarantee (per acre)'. Not used in determination of Loss Guarantee Amount.	
		Price Election Amount	P11	46	99999.9999	None		
ection 8: Prevented Planti	ing Payment Loss Guarantee Calculation							
	_ Guarantee Per Acre2 * Price Election Amount *	Loss Guarantee Amount	P21	57	999999999.99	Round to nearest dollar and cents.		
Loss Guarantee Amount =	Determined Acreage * Liability Adjustment Factor	Determined Acreage	P21	18	999999999.99	None		
		Liability Adjustment Factor	P21	39	9.999999	None		
	ing Payment Indemnity Calculation							
Preliminary Indemnity	= Loss Guarantee Amount * Insured Share Percent	Preliminary Indemnity Amount	P21	49	\$99999999999	Round to whole number.		
Amount		Insured Share Percent	P11	44	9.999	None		
Indemnity Amount =	Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor	Indemnity Amount Multiple Commodity Adjustment	P21 ICE	60	<u>\$999999999999999999999999999999999999</u>	Round to whole number. None	Edit with ICE Multiple Cropping, "D00063".	
Total Indemnity	Σ Indemnity Amount for the Unit	Factor Total Indemnity	Internal		\$99999999999	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	99999999.99	None	Common Crop Insurance Policy	
			D14	34	9.9999	None		
		Coverage Level Percent	P14	1				
Guarantee Per Acre2 =	= Guarantee per Acre1 * Guarantee Adjustment Factor	Guarantee Per Acre2	Internal	70	999999999.99	Round to 1 decimal.		
Guarantee Per Acre2 =	= Guarantee per Acre1 * Guarantee Adjustment Factor	-		72	99999999999999999999999999999999999999	Round to 1 decimal. None		
	 Guarantee per Acre1 * Guarantee Adjustment Factor Guarantee Per Acre2 * Price Election Amount 	Guarantee Per Acre2	Internal	72 55			Common Crop Insurance Policy 'yield protecton guarantee (per acre)'. Not used in determination of Loss Guarantee.	

		Indemnity Calculations		D	einsurance Year:	2014	
		Exhibit Number: P21-1, Plan 01 Record Name: Acreage Claim					
						Approved	
	Record Code:	P21			Release Date:	9/2//2018	
Insurance Plan Code		01 Yield Protection					
	0011 Wheat	0021 Cotton			0047 Dry Beans		0078 SunFlowers
Commodity Code	0015 Canola	0041 Corn			0051 Grain Sorg	hum	0081 Soybeans
	0018 Rice	0043 Popcorn			0067 Dry Peas		0091 Barley
		<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>	
	Calculations	Name	Number	<u>Number</u>	<u>Format</u>	Rounding	Rules
Section 11: Malting Barley	Loss Guarantee Calculation						
	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	= Unit Deficiency Quantity * Insured Share Percent	Preliminary Indemnity Amount	P21	59	\$999999999999	Round to whole number.	
Amount	- Onit Denciency Quantity * Insured Share Percent	Insured Share Percent	P11	44	9.999	None	
	Preliminary Indemnity Amount * Multiple Commodity	Indemnity Amount	P21	60	\$99999999999	Round to whole number	
Indemnity Amount	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		S99999999999	Round to whole number.	

	Exhibit Number	:: Indemnity Calculations :: P21-1, Plan 01 :: Acreage Claim :: P21		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		0078 SunFlowers 0081 Soybeans 0091 Barley
	Calculations	<u>Field</u> <u>Name</u>	<u>Record</u> Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules
	ption "DC", for Yield Protection, "01", Stage Code = "DQ". Payment Loss Guarantee Calculation						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
bection 15. Downed Kice	Payment Loss Guarantee Carculation	Insured Acreage10	Internal		999999999.99	Round to 1 decimal.	
Insured Acreage10	= Reported Acreage * 10%	Reported Acreage	P11	49	99999999.99	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		999999999.99	Round to 1 decimal.	This will be the determined payable downe rice acres for the unit.
		Loss Guarantee Amount	P21	57	999999999.99	Round to nearest dollar and cents.	
Loss Guarantee Amoun	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						
		li i na li	P21	60	\$99999999999	Round to whole number.	
	t = Loss Guarantee Amount * Insured Share Percent	Indemnity Amount Insured Share Percent	P11	44	9.999	None	