Exhibit Number: P21-1, Plan 01
Record Name: Acreage Claim
Record Code: P21

Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

Insurance Plan Code	01 Yield Protection						
0011 Wheat	0021 Cotton			0047 Dry Beans		0075 Peanuts	
Commodity Code 0015 Canola	0041 Corn	0078 Sunflowers 0081 Soybeans					
0018 Rice	0043 Popcorn	0043 Popcorn 0067 Dry Peas					
	T				1	0091 Barley	
Calculations	<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>		
<u>Calculations</u>	<u>Name</u>	Number	Number	<u>Format</u>	Rounding	Rules	
Section 1: Stage Guarantee Calculation		1	ı		1		
	Guarantee Per Acre1	Internal		99999999.99	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 = Approved Yield * Coverage Level Percent	oddiantee i ci Aciel	internal		3333333.33	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	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		
Guarantee Per Acre2 = Guarantee Per Acre1 * Guarantee Adjustment Factor					When Unit of Measure equals Pounds, "LBS", then Round to whole Number.	Guarantee Per Acre2 should be rounded to	
	Guarantee Per Acre2	Internal		99999999.99	When Unit of Measure equals Tons, "Tons", then Round to 2 decimals.	whole pounds for Dry Beans, "0047" (all types), and Dry Peas, "0067" (all types).	
					Otherwise, Round to 1 decimal.		
	Guarantee Adjustment Factor	P11	69	0.999	None		
Acre Stage Guarantee = Guarantee Per Acre2 * Price Election Amount	Acre Stage Guarantee Amount	P21	55	99999999.99	Round to nearest dollar and cents.	Not used in determination of Loss Guarantee Amount	
Amount Amount Amount	Price Election Amount	P11	45	9999.9999		Common Crop Insurance Policy 'yield protection guarantee (per acre)'.	

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Exhibit Number: P21-1, Plan 01
Record Name: Acreage Claim

Record Code: P21

Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

Insurance Plan Code 01 Yield Protection 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts **Commodity Code** 0015 Canola 0041 Corn 0051 Grain Sorghum 0078 Sunflowers 0018 Rice 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0091 Barley Field Record Field **Field Field** Calculations Number Number **Format** Rounding Name Rules Section 2: Loss Guarantee Calculation Round to nearest dollar and Loss Guarantee Amount P21 57 99999999.99 Loss Guarantee Amount = Guarantee Per Acre2 * Price Election Amount *
Determined Acreage * Liability Adjustment Factor cents. Determined Acreage P21 18 9999999.99 None Liability Adjustment Factor P21 39 9.999999 None Section 3: Indemnity Calculation **Revenue Conversion Production** Round to nearest dollar and P21 45 9999999.99 Revenue Conversion = Production to Count Quantity * Price Election Amount to Count cents. **Production to Count Quantity** P21 34 99999999.99 None Price Election Amount P11 45 9999.9999 Loss Guarantee Amount – Revenue Conversion Round to nearest dollar and Unit Deficiency Quantity = \$9999999.99 Unit Deficiency Quantity P21 56 **Production to Count** cents. S999999999 **Preliminary Indemnity Amount** P21 59 Round to whole number. Amount P11 Insured Share Percent 43 9.9999 None S9999999999 P21 Indemnity Amount 60 Round to whole number. Preliminary Indemnity Amount * Multiple Commodity Indemnity Amount = Multiple Commodity Adjustment Adjustment Factor ICE 9999.999 Edit with ICE Multiple Cropping, "D00063". Factor Total Indemnity \(\sum \) Indemnity Amount for the Unit **Total Indemnity** Internal S999999999 Round to whole number. Replant Payment for Yield Protection, "01" Section 4: Replant Payment Stage Guarantee Calculation When Stage Code equals Replanted, "R", When Unit of Measure equals Pounds, "LBS", then Round to Common Crop Insurance Policy 'production whole Number. guarantee (per acre)'. 99999999.99 Guarantee Per Acre1 When Unit of Measure equals Internal Guarantee Per Acre1 should be rounded to Guarantee Per Acre1 = Approved Yield * Coverage Level Percent Tons, "Tons", then Round to 2 whole pounds for Dry Beans, "0047" (all decimals. types), and Dry Peas, "0067" (all types). Otherwise, Round to 1 decimal Approved Yield 9999999.99 P11 42 None Coverage Level Percent P14 34 9.9999 None

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Exhibit Number: P21-1, Plan 01
Record Name: Acreage Claim
Record Code: P21

Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

Insurance Plan Code 01 Yield Protection 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts 0051 Grain Sorghum 0078 Sunflowers **Commodity Code** 0015 Canola 0041 Corn 0067 Dry Peas 0081 Soybeans 0018 Rice 0043 Popcorn 0091 Barley <u>Field</u> Record Field <u>Field</u> Field Number **Calculations** Name Number **Format** Rounding Rules When Unit of Measure equals Pounds, "LBS", then Round to whole Number. Guarantee Per Acre2 should be rounded to Guarantee Per Acre2 99999999.99 When Unit of Measure equals whole pounds for Dry Beans, "0047" (all Internal Guarantee Per Acre2 = Guarantee per Acre1 * Guarantee Adjustment Factor Tons, "Tons", then Round to 2 types), and Dry Peas, "0067" (all types). decimals. Otherwise, Round to 1 decimal. Guarantee Adjustment Factor P11 69 0.999 None Round to nearest dollar and Not used in determination of Loss Guarantee Commodity Code not equal Dry Beans, "0047" or Peanuts, "0075": 99999999.99 Acre Stage Guarantee Amount P21 58 cents. Amount Price Election Amount P11 45 99999.9999 None Maximum Replant Guarantee Per ICE Edit with SPOI ICE "D00129". Acre Result of '20% of Guarantee Per Acre2' will be used in 'Acre Stage Guarantee Amount' When Unit of Measure equals Lesser of: calculation and 'Loss Guarantee Amount' Pounds, "LBS", then Round to Acre Stage Guarantee _ (20% of Guarantee Per Acre2 calculation. Value of '20% of Guarantee Per whole Number. Amount OR Maximum Replant Guarantee Per Acre) * Price Acre2' should be rounded before compare to **Election Amount** 'Maximum Replant Guarantee Per Acre'. 20% of Guarantee Per Acre2 Internal 9999999.99 When Unit of Measure equals If Unit of Measure = LBS Tons, "Tons", then Round to 2 Round(Guarantee Per Acre2 * 0.20, 0) decimals. If Unit of Measure = Tons Round(Guarantee Per Acre2 * 0.20, 2) Otherwise, Round to 1 decimal Other Unit of Measures Round(Guarantee Per Acre2 * 0.20, 1)

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Exhibit Number: P21-1, Plan 01 **Record Name:** Acreage Claim

Reinsurance Year: 2017

Version: Approved

Release Date: 2/7/2019

	Record Code: P21			Release Date: 2/7/2019					
Insurance Plan Code		01 Yield Protection			0047 Dry Beans				
Commodity Code	0011 Wheat 0015 Canola 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn	0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley						
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	Field Number	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	<u>Rules</u>		
Commodity Code equal Dry	y Beans, "0047:	Acre Stage Guarantee Amount	P21	58	999999999.99	Round to nearest dollar and cents.	Not used in determination of Loss Guarantee Amount		
		Price Election Amount	P11	45	99999.9999	None			
		Maximum Replant Guarantee Per Acre	ICE				Edit with SPOI ICE "D00129". If lesser of submitin AIP Acre Stage Guarantee field 36 as 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		99999999.99	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 36 as pounds before price. # Unit of Measure "LBS", Round(Guarantee Per Acre2 * 0.10, 0)		
	Insured's Actual Cost	P21	36	99999999.99		Insured's Actual Cost will be submitted in AIP Acre Stage Guarantee field if lesser of converted to pounds per Dry Beans Loss Adjustment Handbook.			
Commodity Code equal Pea	anuts "0075":								
Acre Stage Guarantee Amount	= Maximum Replant Guarantee Per Acre	Maximum Replant Guarantee Per Acre	ICE				Edit with SPOI ICE "D00129".		
Section 5: Replant Paymen	t Loss Guarantee Calculation	·	1		1				
Commodity Code <u>not</u> equa	l Dry Beans, "0047" or Peanuts, "0075":	Loss Guarantee Amount	P21	60	99999999.99	Round to nearest dollar and cents.			
	Lesser of ((20% of Guarantee Per Acre2) or Maximum = Replant Guarantee Per Acre) * Price Election Amount *	Determined Acreage	P21	18	99999999.99	None			
	Determined Acreage * Liability Adjustment Factor	Liability Adjustment Factor	P21	39	9.999999	None			
Commodity Code equal Dry	Commodity Code equal Dry Beans, "0047: Lesser of (Insured's Actual Cost or Round(10% of Guarantee Per Acre2, 0) or Maximum Replant	Loss Guarantee Amount	P21	60	99999999.99	Round to nearest dollar and cents.			
Lana Guarra in A		Determined Acreage	P21	18	99999999.99	None			
Loss Guarantee Amount	= Guarantee Per Acre) * Price Election Amount * Determined Acreage * Liability Adjustment Factor	Liability Adjustment Factor	P21	39	9.999999	None			
-		•		. —		•	•		

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Exhibit Number: P21-1, Plan 01
Record Name: Acreage Claim

Record Code: P21

Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

Insurance Plan Code 01 Yield Protection 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts 0051 Grain Sorghum 0078 Sunflowers **Commodity Code** 0015 Canola 0041 Corn 0067 Dry Peas 0081 Soybeans 0018 Rice 0043 Popcorn 0091 Barley Field Record Field <u>Field</u> <u>Field</u> Number Rounding Calculations Name Number **Format** Rules Commodity Code equal Peanuts, "0075": Round to nearest dollar and Loss Guarantee Amount P21 60 99999999.99 cents. Determined Acreage P21 18 9999999.99 Loss Guarantee Amount = Maximum Replant Guarantee Per Acre * None Determined Acreage * Liability Adjustment Factor Liability Adjustment Factor P21 39 9.999999 None Section 6: Replant Payment Indemnity Calculation P21 S999999999 Indemnity Amount 63 Round to whole number. Indemnity Amount = Loss Guarantee Amount * Insured Share Percent **Insured Share Percent** P11 43 9.9999 None Total Indemnity ∑ Indemnity Amount for the Unit Total Indemnity S999999999 Internal Round to whole number. Prevented Planting Payment for Yield Protection, "01". Section 7: Prevented Planting 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 Common Crop Insurance Policy 'production whole Number. guarantee (per acre)'. 99999999.99 Guarantee Per Acre1 Internal When Unit of Measure equals Guarantee Per Acre1 should be rounded to Guarantee Per Acre1 = Approved Yield * Coverage Level Percent Tons, "Tons", then Round to 2 whole pounds for Dry Beans, "0047" (all decimals. types), and Dry Peas, "0067" (all types). Otherwise, Round to 1 decimal. 99999999.99 Approved Yield P11 42 None Coverage Level Percent P14 34 9.9999 None

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Exhibit Number: P21-1, Plan 01
Record Name: Acreage Claim
Record Code: P21

Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

0047 Dry Beans

Insurance Plan Code 01 Yield Protection

Commodity Code 0015 Canola 0018 Rice

0011 Wheat

0021 Cotton 0041 Corn 0043 Popcorn

0051 Grain Sorghum0078 Sunflowers0067 Dry Peas0081 Soybeans

0075 Peanuts

0091 Barley								
	<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>			
<u>Calculations</u>	<u>Name</u>	Number	Number	<u>Format</u>	Rounding	<u>Rules</u>		
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			
Guarantee Per Acre2 = Guarantee 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	69	0.999	None			
Acre Stage Guarantee Amount = Guarantee Per Acre2 * Price Election Amount	Acre Stage Guarantee Amount	P21	58	999999999.99	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	45	99999.9999	None			
Section 8: Prevented Planting Payment Loss Guarantee Calculation								
Guarantee Per Acre2 * Price Election Amount * Loss Guarantee Amount =	Loss Guarantee Amount	P21	60	99999999.99	Round to nearest dollar and cents.			
Determined Acreage * Liability Adjustment Factor	Determined Acreage	P21	18	99999999.99	None			
	Liability Adjustment Factor	P21	39	9.999999	None			

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Exhibit Number: P21-1, Plan 01
Record Name: Acreage Claim

Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

Record Code: P21 Insurance Plan Code 01 Yield Protection 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts 0078 Sunflowers **Commodity Code** 0015 Canola 0041 Corn 0051 Grain Sorghum 0018 Rice 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0091 Barley Field Record Field **Field** Field Calculations Number Number **Format** Rounding Name Rules Section 9: Prevented Planting Payment Indemnity Calculation Preliminary Indemnity = Loss Guarantee Amount * Insured Share Percent Preliminary Indemnity Amount P21 62 S999999999 Round to whole number. Amount **Insured Share Percent** P11 43 9.9999 None P21 Indemnity Amount 63 S999999999 Round to whole number. Preliminary Indemnity Amount * Multiple Commodity Multiple Commodity Adjustment Indemnity Amount = **Adjustment Factor** ICE 9999.999 None Edit with ICE Multiple Cropping, "D00063". Factor Total Indemnity Total Indemnity ∑ Indemnity Amount for the Unit Internal S999999999 Round to whole number. Malting Barley Price and Quality Endorsement (Option ME) Section 10: Malting Barley Stage Guarantee Calculation 999999999.9 Guarantee Per Acre1 Internal Round to 1 decimal. Guarantee Per Acre1 = Approved Yield * Coverage Level Percent Approved Yield P11 42 99999999.99 None Common Crop Insurance Policy Coverage Level Percent 9.9999 P14 34 None Guarantee Per Acre2 Internal 99999999.99 Round to 1 decimal. Guarantee Per Acre2 = Guarantee per Acre1 * Guarantee Adjustment Factor Guarantee Adjustment Factor P11 69 0.999 Price Election Amount Internal 9999.9999 Round to 4 decimals. Contract Price that was submitted on P11 Price Election Amount = Contract Price * Price Election Percent Contract Price P11 46 9999.9999 None (capped with Max Contract Price from ADM). ICE 9.9999 Price Election Percent None Common Crop Insurance Policy 'yield Acre Stage Guarantee = Guarantee Per Acre2 * Price Election Amount Acre Stage Guarantee Amount P21 58 99999999.99 Round to dollar and Cents protecton guarantee (per acre)'. Not used in determination of Loss Guarantee.

P11

45

Price Election Amount

99999.9999

None

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Exhibit Number: P21-1, Plan 01
Record Name: Acreage Claim
Record Code: P21

Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

Insurance Plan Code 01 Yield Protection 0047 Dry Beans 0011 Wheat 0021 Cotton 0075 Peanuts 0015 Canola 0041 Corn 0051 Grain Sorghum 0078 Sunflowers **Commodity Code** 0018 Rice 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0091 Barley

					0091 Barley		
<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> <u>Number</u>	<u>Field</u> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>	
Section 11: Malting Barley Loss Guarantee Calculation							
Guarantee Per Acre2 * Price Election Amount *	Loss Guarantee Amount	P21	60	99999999.99	Round to nearest dollar and cents.		
Loss Guarantee Amount = Determined Acreage * Liability Adjustment Factor	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	99999999.99	Round to nearest dollar and cents.		
Production To Count Production To Count	Production to Count Quantity	P21	34	99999999.99	None		
	Price Election Amount	P11	45	99999.9999	None		
Unit Deficiency Quantity = Loss Guarantee Amount – Revenue Conversion Production to Count	Unit Deficiency Quantity	P21	59	S99999999.99	Round to nearest dollar and cents.		
Preliminary Indemnity = Unit Deficiency Quantity * Insured Share Percent	Preliminary Indemnity Amount	P21	62	S9999999999	Round to whole number.		
Amount	Insured Share Percent	P11	43	9.9999	None		
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".	
Total Indemnity ∑ Indemnity Amount for the Unit	Total Indemnity	Internal		S999999999	Round to whole number.		

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Exhibit Number: P21-1, Plan 01
Record Name: Acreage Claim
Record Code: P21

Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

Insurance Plan Code		01 Yield Protection					
	0011 Wheat	0021 Cotton			0047 Dry Beans		0075 Peanuts
Commodity Code	0015 Canola	0041 Corn 0			0051 Grain Sorg	hum	0078 Sunflowers
	0018 Rice	0043 Popcorn			0067 Dry Peas		0081 Soybeans
							0091 Barley
		<u>Field</u>	Record	Field	<u>Field</u>	<u>Field</u>	
	<u>Calculations</u>	<u>Name</u>	Number	Number	<u>Format</u>	Rounding	<u>Rules</u>

Downed Rice Payment, option "DC", for Yield Protection, "01", 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.

ection 13: Downed Rice P	ayment Loss Guarantee Calculation						
Insured Acreage10 = Reported Acreage * 10%		Insured Acreage10	Internal		99999999.99	Round to 1 decimal.	
	= Reported Acreage * 10%	Reported Acreage	P11	48	9999999.99	None	Summed P11 DRE reported acreage for the unit.
		Insured Acreage50	Internal		99999999.99	Round to 1 decimal.	
Insured Acreage50	= Reported Acreage * 50%	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
rayable Downed Rice creage	OR	Payable Downed Rice Acreage	Internal		99999999.99	Round to 1 decimal.	This will be the determined payable downed rice acres for the unit.
	Without deductible: Determined Acreage						
		Loss Guarantee Amount	P21	60	99999999.99	Round to nearest dollar and cents.	
Payable Downed Rice Acreage * Harvest Expense Loss Guarantee Amount = 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 Pa	ayment Indemnity Calculation						
Indemnity Amount = Loss Guarantee Amount * Insured Share Percent	Indemnity Amount	P21	63	S9999999999	Round to whole number.		
indefinity Amount	- Loss Guarantee Amount - insured Share Percent	Insured Share Percent	P11	43	9.9999	None	
Total Indemnity	∑ Indemnity Amount for the Unit	Total Indemnity	Internal		S999999999	Round to whole number.	Only Downed Rice records, no base Rice records.