Record Code: P21

Reinsurance Year: 2019

Version: Approved

Release Date: 12/6/2019

Insurance Plan Code	02 Revenue Protection	03 Revenue Protection with Harvest Price Exclusion		
	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

				1		0091 Barley
Calculations	<u>Field</u>	Record Number	<u>Field</u> Number	<u>Field</u>	<u>Field</u> Rounding	Bules
	<u>Name</u>	Number	Number	<u>Format</u>	Kounding	Rules
Section 1: Stage Guarantee Calculation		1			ı	Ī
Guarantee Per Acre1 = Approved Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		999999999999999999999999999999999999999	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	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	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.	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	

12/4/2019 Page 1 of 14

Record Code: P21

Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

Insurance Plan Code	02 Revenue Protection	03 Revenue Protection with Ham	est Price Exclusion			
	0011 Wheat	0021 Cotton		0047 Dry Beans		0075 Peanuts
Commodity Code	0015 Canola	0041 Corn		0051 Grain Sorgh	ium	0078 Sunflowers
	0018 Rice	0043 Popcorn	0043 Popcorn			0081 Soybeans
						0091 Barley
	·	Field	Pocord Field	Field	Field	

						0091 Barley
<u>Calculations</u>	<u>Field</u> <u>Name</u>	Record Number	<u>Field</u> Number	<u>Field</u> <u>Format</u>	<u>Field</u> Rounding	Rules
Revenue Protection, "02", Price Election Amount Calculation: Price Election Amount = greater of Projected Price (or Contract Price if applicable) or Harvest Price * Price Election Percent	Price Election Amount	Internal		9999.999	When Commodity Code equals Barley, "0091", Corn, "0041", Cotton, "0051", Soybeans, "0081" or Wheat, "0011"; round to nearest whole cent [\$9.99]. If result is based on Contract Price for specialty types Corn, Soybeans, or Barley, round to neareat one hundredth cent (\$9.9999). When Commodity Code equals Canola, "0015", Rice, "0018", Sunflowers, "0078", or Cottonseed, "0021" (Option 'SE'); round to nearest one-tenth cent [\$9.999]. If result is based on Contract Price for specialty type Canola; round to nearest hundredth cent (\$9.9999). When Commodity Code equals Popcorn, "0043", Dry Beans, "0047", or Dry Peas, "0067" round to nearest one-hundredth cent [\$9.9999].	
	Projected Price	ADM		99999.9999	None	Edit with ADM Price, "A00810".
	Contract Price	P11	46	9999.9999	None	Contract Price that was submitted on P11 (capped with Max Contract Price from ADM).
	Harvest Price	Internal		99999.9999	None	Edit with ADM Price, "00810". If Contract Price was submitted on the P11 then Harvest Price will be adjusted by difference between Projected Price and Contract Price.
	Price Election Percent	ICE		9.9999	None	Price Election Percent would equal 1.00 when Insurance Plan Code "02".

12/4/2019 Page 2 of 14

Record Code: P21

Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

Insurance Plan Code	02 Revenue Protection	03 Revenue Protection with Han	vest Price Excl	usion			
	0011 Wheat	0021 Cotton			0047 Dry Beans		0075 Peanuts
Commodity Code	0015 Canola	0041 Corn	0041 Corn		0051 Grain Sorgh	num	0078 Sunflowers
	0018 Rice	0043 Popcorn	0043 Popcorn				0081 Soybeans
							0091 Barley
		Field	Decemb	Field	Field.	Field	

0018 Rice	0043 Popcorn			0067 Dry Peas		0081 Soybeans 0091 Barley	
Calculations	<u>Field</u> Name	Record Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules	
Revenue Protection with Harvest Price Exclusion, "03", Price Election Amount Calculation: Price Election Amount = Projected Price (or Contract Price if applicable) * Price Election Percent	Price Election Amount	Internal		9999.999	When Commodity Code equals Barley, "0091", Corn, "0041", Grain Sorghum, "0051", Soybeans, "0081" or Wheat, "0011"; round to nearest whole cent [\$9.99]. If result is based on Contract Price for specialty types Corn, Soybeans or Barley, round to neareat one hundredth cent (\$9.999). When Commodity Code equals Canola, "0015", Rice, "0018", Sunflowers, "0078", or Cottonseed, "0021" (Option 'SE'); round to nearest one-tenth cent [\$9.999]. If result is based on Contract Price for specialty type Canola; round to neareat one hundredth cent (\$9.999). When Commodity Code equals Popcorn, "0043", Dry Beans, "0047", or Dry Peas, "0067" round to nearest one-hundredth cent [\$9.999].		
	Projected Price	ADM		99999.9999	None	Edit with ADM Price, "A00810".	
	Contract Price	P11	46	9999.9999	None	Contract Price that was submitted on P11 (capped with Max Contract Price from ADM).	
	Price Election Percent	ICE		9.9999	None	Price Election Percent would equal 1.00 when Insurance Plan Code equals "03".	
Acre Stage Guarantee Amount = Guarantee Per Acre2 * Price Election Amount	Acre Stage Guarantee Amount	Internal		999999999.99	Round to nearest dollar and cents.	Common Crop Insurance Policy 'revenue protection guarantee (per acre)'. Not used in determination of Loss Guarantee.	

12/4/2019 Page 3 of 14

Record Code: P21

Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

Insurance Plan Code 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0021 Cotton 0047 Dry Beans 0075 Peanuts 0011 Wheat 0051 Grain Sorghum Commodity Code 0015 Canola 0041 Corn 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	Rules			
Section 2: 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 = Guarantee Fer AGE2 Frice Election Amount Determined Acreage * Liability Adjustment Factor	Determined Acreage	P21	18	99999999.99	None				
	Liability Adjustment Factor	P21	39	9.999999	None				
	Revenue Conversion Production to Count	P21	45	99999999.99	Round to nearest dollar and cents.				
	Production to Count Quantity	P21	34	99999999.99					
Revenue Conversion Production to Count Quantity * Harvest Price	Harvest Price	ADM		99999.9999	None	Edit with ADM Price, "00810". If Contract Price was submitted on the P11 then Harvest Price will be adjusted by difference between Projected Price and Contract Price. If Harvest Price has not been released for revenue Protection, "02", the Projected Price or Contract Price (whichever applies) can be used for validation of Revenue to Count.			
Section 3: Indemnity Calculation									
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	Indemnity Amount	P21	63	S9999999999	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		S9999999999	Round to whole number.				

12/4/2019 Page 4 of 14

Guarantee Per Acre1

Approved Yield

Coverage Level Percent

Guarantee Per Acre2

Guarantee Adjustment Factor

	Exhibit Million: F21-2, Flatto 2 & 63						
	Record Na	me: Acreage Claim			Version	Approved	
	Record Co	ode: P21			Release Date:	: 12/6/2019	
Insurance Plan Code	02 Revenue Protection	03 Revenue Protection with Ha	rvest Price Exc	lusion			
	0011 Wheat	0021 Cotton			0047 Dry Beans		0075 Peanuts
Commodity Code	0015 Canola	0041 Corn			0051 Grain Sorgl	num	0078 Sunflowers
	0018 Rice	0043 Popcorn			0067 Dry Peas		0081 Soybeans
							0091 Barley
		Field	Record	Field	<u>Field</u>	<u>Field</u>	
	Calculations	<u>Name</u>	Number	Number	<u>Format</u>	Rounding	Rules
Section 4: Stage Guarante	ee Calculation						
Replant Payment for Reve	enue Protection, "02", and Revenue Protection with H	larvest Price Exclusion, "03"					
When Stage Code equals	s Replanted, "R",						
						When Unit of Measure	
						equals Pounds, "LBS", then	
						Round to whole Number.	Common Complementary Bolis - Installed
							Common Crop Insurance Policy 'production
						When Unit of Measure	guarantee (per acre)'.

Internal

P11

P14

Internal

P11

42

34

69

Reinsurance Year: 2019

99999999.99

99999999.99

9.9999

99999999.99

0.999

equals Tons, "Tons", then

Round to 2 decimals.

Otherwise, Round to 1 decimal.

When Unit of Measure equals Pounds, "LBS", then Round to whole Number.

When Unit of Measure

Round to 2 decimals.

Otherwise, Round to 1 decimal.

equals Tons, "Tons", then

None

None

None

Guarantee Per Acre1 should be rounded to

Guarantee Per Acre2 should be rounded to

whole pounds for Dry Beans, "0047" (all

types), and Dry Peas, "0067" (all types).

whole pounds for Dry Beans, "0047" (all types), and Dry Peas, "0067" (all types).

12/4/2019 Page 5 of 14

Guarantee Per Acre1 = Approved Yield * Coverage Level Percent

Guarantee Per Acre2 = Guarantee per Acre1 * Guarantee Adjustment Factor

Record Name: Acreage Claim Version: Approved Record Code: P21 Release Date: 12/6/2019

Reinsurance Year: 2019

Insurance Plan Code	02 Revenue Protection	03 Revenue Protection with Harvest Price Exclusion					
	0011 Wheat	0021 Cotton			0047 Dry Beans		0075 Peanuts
Commodity Code	0015 Canola	0041 Corn			0051 Grain Sorgh	ium	0078 Sunflowers
	0018 Rice	0043 Popcorn			0067 Dry Peas	0081 Soybeans	
							0091 Barley
		Field	Pocord	Eiold	Field	Field	1

	1				1	0091 Barley
	<u>Field</u>	Record	Field	Field	<u>Field</u>	_
<u>Calculations</u>	<u>Name</u>	Number	Number	<u>Format</u>	Rounding	Rules
Commodity Code not equal Dry Beans, "0047" or Peanuts, "0075":	Acre Stage Guarantee Amount	P21	58	999999999.99	Round to nearest dollar and cents.	Not used in determination of Loss Guarantee.
						Based on Projected Price or Contract Price if applicable.
	Price Election Amount	P11	45	99999.999	None	White (Type Code 341) and Waxy (Type Code 381) Specialty Type Corn will use the Projected Price for buyup. For CAT coverage, use the CAT price.
	Maximum Replant Guarantee Per Acre	ICE				Edit with SPOI "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 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)
Commodity Code equal Peanuts, "0075":						
Acre Stage Guarantee Amount = Maximum Replant Guarantee Per Acre	Maximum Replant Guarantee Per Acre	ICE				Edit with SPOI "D00129".

12/4/2019 Page 6 of 14

Reinsurance Year: 2019

Adjustment Handbook.

		Exhibit Number: P21-2, Plan 02 & 03 Record Name: Acreage Claim Record Code: P21		F	Reinsurance Year: Version: Release Date:	Approved	
Insurance Plan Code	02 Revenue Protection	03 Revenue Protection with Harv	est Price Excl	usion			
Commodity Code	0011 Wheat 0015 Canola 0018 Rice	0021 Cotton 0041 Corn 0043 Popcorn			0047 Dry Beans 0051 Grain Sorgl 0067 Dry Peas	0075 Peanuts 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
Commodity Code equal D	ommodity Code equal Dry Beans, "0047:	Acre Stage Guarantee Amount	P21	58	999999999.99	Round to nearest dollar and cents.	Not used in determination of Loss Guarante Amount
		Price Election Amount	P11	45	99999.9999	None	Based on Projected Price.
		Maximum Replant Guarantee Per Acre	ICE				Edit with SPOI ICE "D00129". If lesser of submit in AIP Acre Stage Guarantee field 36 as pounds before price.
Acre Stage Guarantee Amount	= 10% of Guarantee Per Acre2	10% of Guarantee Per Acre2	Internal		99999999.99	Pounds, "LBS", Round to whole Number.	Result of '10% of Guarantee Per Acre2' will I 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	99999999.99		Insured's Actual Cost will be submitted in A Acre Stage Guarantee field if lesser of converted to pounds per Dry Beans Loss

12/4/2019 Page 7 of 14

	Exhibit Number: Exhibit Number: Record Name: Record Code:	P21-2, Plan 02 & 03 Reinsurance Year: 2019 Acreage Claim Version: Approved							
Insurance Plan Code	02 Revenue Protection	03 Revenue Protection with Harve	est Price Excl	usion					
Commodity Code	0011 Wheat 0015 Canola 0018 Rice	0021 Cotton 0047 Dry Beans 0041 Corn 0051 Grain Sorghum 0043 Popcorn 0067 Dry Peas			uum	0075 Peanuts 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		
Section 5: Replant Paymen	t Loss Guarantee Calculation	1					*******		
Commodity Code not equa	ll Dry Beans, "0047" or Peanuts, "0075":	Loss Guarantee Amount	P21	60	99999999.99	Round to nearest dollar and cents.			
Loss Guarantee Amount =	Lesser of ((20% of Guarantee Per Acre2) or Maxiumum 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	Lesser of (Insured's Actual Cost or Round(10% of	Loss Guarantee Amount	P21	60	99999999.99	Round to nearest dollar and cents.			
Loss Guarantee Amount	Guarantee Per Acre2, 0) 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 Pe	anuts, "0075":	Loss Guarantee Amount	P21	60	99999999.99	Round to nearest dollar and cents.			
Loss Guarantee Amount	= Maximum Replant Guarantee Per Acre *	Determined Acreage	P21	18	99999999.99	None			
	Determined Acreage * Liability Adjustment Factor	Liability Adjustment Factor	P21	39	9.999999	None			
Section 6: Replant Paymer	nt Indemnity Calculation	l				I			
Indemnity Amount	= Loss Guarantee Amount * Insured Share Percent	Indemnity Amount	P21	63	S9999999999	Round to whole number.			
		Insured Share Percent	P11	43	9.9999	None			
oss Guarantee Calculation	∑ Indemnity Amount for the Unit	Total Indemnity	Internal		S999999999	Round to whole number.			

12/4/2019 Page 8 of 14

	Record Name	Number: P21-2, Plan 02 & 03 Reinsurance Year: 2019 d Name: Acreage Claim Version: Approved rd Code: P21 Release Date: 12/6/2019						
		03 D						
Insurance Plan Code Commodity Code	02 Revenue Protection 0011 Wheat 0015 Canola 0018 Rice	03 Revenue Protection with Harvest Price Exclusion 0021 Cotton 0041 Corn 0051 Grain Sorghum 0043 Popcorn 0067 Dry Peas			hum	0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley		
	Calculations	Field Name	Record	Field Number	<u>Field</u>	Field Rounding		
Section 7: Stage Guarant	<u>Calculations</u>	<u>Name</u>	Number	Number	<u>Format</u>	Rounding	Rules	
	ent for Revenue Protection, "02", and Revenue Protection	on with Harvest Price Exclusion, "0	3".					
When Stage Code equals:	Prevented Planting Option 2, "P2", Prevented Planting Add 10 Percent, "PT",					When Unit of Measure equals Pounds, "LBS", then Round to whole Number.		
Guarantee Per Acre1	Prevented Planting Add 5 Percent, "PF" L = Approved Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		999999999999999999999999999999999999999	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	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	1116604	
		Option Conversion Factor	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".	
Guarantee Per Acre1	L = Modified Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		99999999.99	Round to whole number.		
oudrance rennered	mounted held coverage zeron crocks	Coverage Level Percent	P14	34	9.9999	None		
Guarantee Per Acre2	2 = Guarantee per Acre1 * Guarantee Adjustment Factor	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.	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	P21	58	999999999.99	Round to nearest dollar and cents.	Common Crop Insurance Policy 'revenue protection guarantee (per acre)'. Not used in determination of Loss Guarantee.	
Acre Stage Guarantee Amount	e = Guarantee Per Acre2 * Price Election Amount	Price Election Amount	P11	45	99999.9999	None	Based on Projected Price or Contract Price if applicable. White (Type Code 341) and Waxy (Type Code 381) Specialty Type Corn will use the Projected Price for buyup. For CAT coverage, use the CAT crice.	

use the CAT price.

12/4/2019 Page 9 of 14

Reinsurance Year: 2019

		er: P21-2, Plan 02 & 03 Reinsurance Year: 2019 Version: Approved						
	Record Code:	=	Release Date: 12/6/2019					
Insurance Plan Code	02 Revenue Protection	03 Revenue Protection with Harve	st Price Excl					
	0011 Wheat	0021 Cotton			0047 Dry Beans 0051 Grain Sorgh	0075 Peanuts		
Commodity Code	0015 Canola 0018 Rice	0041 Corn		0078 Sunflowers				
	0018 Rice	0043 Popcorn 0067 Dry Peas					0081 Soybeans 0091 Barley	
		Field	Field Record Field Field Field					
	Calculations	Name	Number	Number	Format	Rounding	Rules	
Section 8: Prevented Planting Payment Loss Guarantee Calculation								
			P21	60	99999999.99	Round to nearest dollar and cents.		
						When Unit of Measure equals Pounds, "LBS", then Round to whole Number.		
	Guarantee Per Acre2 * Price Election Amount * Determined Acreage * Liability Adjustment Factor		Internal		99999999.99	When Unit of Measure equals Tons, "Tons", then Round to 2 decimals.	Guarantee Per Acre2 should be rounded to whole pounds for Dry Beans, "0047" (all types), and Dry Peas, "0067" (all types).	
Loss Guarantee Amount						Otherwise, Round to 1 decimal.		
							Based on Projected Price or Contract Price if applicable.	
		Price Election Amount	P11	45	99999.9999	None	White (Type Code 341) and Waxy (Type Code 381) Specialty Type Corn will use the Projected Price for buyup. For CAT coverage, use the CAT price.	
		Determined Acreage	P21	18	99999999.99	None		
		Liability Adjustment Factor	P21	39	9.999999	None		
Section 9: Prevented Plan	iting Payment Indemnity Calculation							
	= Loss Guarantee Amount * Insured Share Percent	Preliminary Indemnity Amount	P21	62	S999999999	Round to whole number.		
Amount		Insured Share Percent	P11	43	9.9999	9999.9999 None W. 38 Pr. u.s. 9999999999 None 999999999 None 999999999 Round to whole number. 999999999 Round to whole number. 9999999999 Round to whole number.		
Indemnity Amount	= Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor	Indemnity Amount	P21	63	S9999999999	Round to whole number.		
machinity Amount	Adjustment Factor	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".	
	∑ Indemnity Amount for the Unit	Total Indemnity	Internal		S9999999999	Round to whole number.		
Section 10: Stage Guarantee Calculation								
Malting Barley Price and Quality Endorsement (ME)								
Guarantee Per Acre1	= Approved Yield * Coverage Level Percent	Guarantee Per Acre1	Internal		999999999.9	Round to nearest whole pounds, nearest hundreth for tonage commodities, or nearest tenths for other units of measure.	Common Crop Insurance Policy 'production guarantee (per acre)'.	
		Approved Yield	P11	42	99999999.99	None		

P14

9.9999

None

Coverage Level Percent

12/4/2019 Page 10 of 14

Record Code: P21

Reinsurance Year: 2019 Version: Approved Release Date: 12/6/2019

Insurance Plan Code 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0021 Cotton 0047 Dry Beans 0075 Peanuts 0011 Wheat 0051 Grain Sorghum Commodity Code 0015 Canola 0041 Corn 0078 Sunflowers 0018 Rice 0043 Popcorn 0067 Dry Peas 0081 Soybeans

OUTO MICE	оочэ т орсотт			ooo7 Diyi cas		0091 Barley
	<u>Field</u>	Record	Field	Field	<u>Field</u>	
<u>Calculations</u>	<u>Name</u>	Number	Number	<u>Format</u>	Rounding	Rules
Guarantee Per Acre2 = Guarantee per Acre1 * Guarantee Adjustment Factor	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.	
	Guarantee Adjustment Factor	P11	69	0.999	None	
When the Insurance Plan Code is 02, Revenue Protection:						
	ME Harvest Price	Internal		9999.9999	Round to 4 decimals.	
	Contract Price	P11	46	9999.9999	None	The Contract Price (ME Projected Price) that was submitted on P11 (capped by the Max Contract Price from ADM) and used to calculate the premium.
ME Harvest Price = Harvest Price + (Contract Price - Projected Price)	Projected Price	ADM		99999.9999	None	The ADM published value with no additional calculations performed. Denoted in Price ADM as barley projected price with ME option.
	Harvest Price	ADM		99999.9999	None	The ADM published value with no additional calculations performed. Denoted in Price ADM as barley harvest price with ME option.
MAX(Contract Price, ME Harvest Price) * Price Election	Price Election Amount	Internal		9999.9999	Round to 4 decimals.	
Price Election Amount = Percent	Price Election Percent	ICE		9.9999	None	Price Election Percent would equal 1.00 when Insurance Plan Code equals "02".

12/4/2019 Page 11 of 14

Reinsurance Year: 2019

	Exhibit Number: P21-2, Plan 02 & 03 Record Name: Acreage Claim			Reinsurance Year: 2019 Version: Approved					
Record Code: P21				Release Date: 12/6/2019					
Insurance Plan Code	02 Revenue Protection	03 Revenue Protection with Harve	st Price Excl	usion					
	0011 Wheat	0021 Cotton			0047 Dry Beans		0075 Peanuts		
Commodity Code	0015 Canola	0041 Corn			0051 Grain Sorgh	num	0078 Sunflowers		
	0018 Rice	0043 Popcorn			0067 Dry Peas		0081 Soybeans		
			0091 Barley						
		<u>Field</u>	Record	Field	<u>Field</u>	<u>Field</u>	_		
	Calculations	<u>Name</u>	Number	Number	<u>Format</u>	Rounding	Rules		
When the Insurance Plan	Code is 03, Revenue Protection Harvest Price Exclusion:								
		Price Election Amount	Internal		9999.9999	Round to 4 decimals.			
Price Election Amount = Contract Price * Price Election Percent		Contract Price	P11	46	9999.9999	None	The Contract Price (ME Projected Price) that was submitted on P11 (capped with Max Contract Price from ADM) and used to calculate the premium.		
		Price Election Percent	ICE		9.9999	None			
Acre Stage Guarantee = Guarantee Per Acre2 * Price Election Amount		Acre Stage Guarantee Amount	P21	58	999999999.99	Round to nearest dollar and Cents	Common Crop Insurance Policy 'revenue protection guarantee (per acre)'. Not used in determination of Loss Guarantee.		
		Price Election Amount	P11	45	99999.9999	None			
Section 11: Malting Barle	ey Loss Guarantee Calculation								
Loss Guarantee Amount	t = Guarantee Per Acre2 * Price Election Amount * Determined Acreage * Liability Adjustment Factor	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			
When the Insurance Plan	Code is 02, Revenue Protection:								
Pevenue Conversion	MAY/Production to Count Quantity * MF Harvest	Revenue Conversion Production To Count	P21	45	99999999.99	Round to nearest dollar and cents.	Cannot equal less than 0.		
Production To Count	MAX(Production to Count Quantity * ME Harvest t Price,0)	Production to Count Quantity	P21	34	99999999.99	None			
		ME Harvest Price	Internal		9999.9999				
When the Insurance Plan	Code is 03, Revenue Protection Harvest Price Exclusion:								
		Revenue Conversion Production To Count	P21	45	99999999.99	Round to nearest dollar and cents.			
Revenue Conversion Production To Count	= Production to Count Quantity * Price Election Amount	Production to Count Quantity	P21	34	99999999.99	None			
		Price Election Amount	P11	45	99999.9999	None			

12/4/2019 Page 12 of 14

Record Name: Acreage Claim Version: Approved Record Code: P21 Release Date: 12/6/2019

Reinsurance Year: 2019

Insurance Plan Code	02 Revenue Protection	03 Revenue Protection wit	03 Revenue Protection with Harvest Price Exclusion							
	0011 Wheat	0021 Cotton	0021 Cotton 0047 Dry Beans				0075 Peanuts			
Commodity Code	0015 Canola	0041 Corn	0041 Corn			num	0078 Sunflowers			
	0018 Rice	0043 Popcorn			0067 Dry Peas		0081 Soybeans			
							0091 Barley			
		Field	Record	Field	Field	Field				

	Calculations	<u>Name</u>	Number	Number	Format	Rounding	Rules		
Section 12: Malting Barley Indemnity Calculation									
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 Amount	P21	62	S999999999	Round to whole number.			
Preliminary Indemnity = Amount =	Unit Deficiency Quantity * Insured Share Percent	Insured Share Percent	P11	43	9.9999	None			
Indemnity Amount =	Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor	Indemnity Amount	P21	63	\$999999999	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.			

12/4/2019 Page 13 of 14

Exhibit Name: Indemnity Calculations Exhibit Number: P21-2, Plan 02 & 03

Reinsurance Year: 2019 Record Name: Acreage Claim Version: Approved Release Date: 12/6/2019 Record Code: P21 Insurance Plan Code 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 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 Calculations Name Number Number Format Rounding Rules If Determined Acreage is <= Insured Acreage10 then no payment; if Determined Acreage is > Insured Acreage10 and < Insured Acreage50 then Downed Rice Payment, option "DC", for Revenue Protection, "02", and Revenue Protection with Harvest Price Exclusion, "03", Stage Code = "DQ". payment with deductible; if Determined Acreage is => Insured Acreage50 then payment without deductible. Section 13: Downed Rice Payment Loss Guarantee Calculation 99999999.99 Round to 1 decimal. Insured Acreage10 Internal Insured Acreage10 = Reported Acreage * 10% Summed P11 DRE reported acreage for the Reported Acreage P11 48 9999999.99 None Insured Acreage50 Internal 99999999.99 Round to 1 decimal. Insured Acreage50 = Reported Acreage * 50% Summed P11 DRE reported acreage for the P11 48 9999999.99 None Reported Acreage Determined Acreage = Harvested Downed Rice Acreage Determined Acreage P21 18 99999999.99 None Harvested Downed Rice Acreage for the unit. With deductible: round(Determined Acreage - Insured Acreage10,1) * 1.25 OR Payable Downed Rice This will be the determined payable downed Payable Downed Rice Acreage Internal Acreage rice acres for the unit. Without deductible: Determined Acreage Round to nearest dollar and Loss Guarantee Amount P21 60 99999999.99 cents. Edit with ADM Price, "A00810", Fixed ADM Harvest Expense Amount Coverage Amount with insurance option = Payable Downed Rice Acreage * Harvest Expense 'DC'. Loss Guarantee Amount = Amount * Price Election Percent * Liability Adjustment Factor Price Election Percent P14 35 9.9999 None Liability Adjustment Factor P21 39 9.999999 None Section 14: Downed Rice Payment Indemnity Calculation Indemnity Amount P21 S999999999 Round to whole number. 63 Indemnity Amount = Loss Guarantee Amount * Insured Share Percent Insured Share Percent P11 43 9.9999 None Only Downed Rice records, no base Rice Total Indemnity ∑ Indemnity Amount for the Unit Total Indemnity Internal S999999999 Round to whole number. records

12/4/2019 Page 14 of 14