Exhibit Name: Indemnity Calculations

	Exhibit Number	: Indemnity Calculations : P21-2, Plan 02 & 03 : Acreage Claim			Reinsurance Year			
	Record Code	_			Release Date	: Approved : 4/28/2022		
Insurance Plan Code	02 Revenue Protection	03 Revenue Protection with Harve	st Price Exclusio	n				
	0011 Wheat	0021 Cotton		-	0047 Dry Beans		0075 Peanuts	
Commodity Code 0015 Canola		0041 Corn			0051 Grain Sorghum	1	0078 Sunflowers	
	0018 Rice	0043 Popcorn 0067 Dry Peas			0081 Soybeans 0091 Barley			
	Calculations	<u>Field</u>	<u>Record</u>	<u>Field</u>	<u>Field</u>	<u>Field</u>	Pulos	
Section 1: Stage Guarantee Calcula	<u>Calculations</u> ation	<u>Name</u>	<u>Number</u>	<u>Number</u>	<u>Format</u>	Rounding	<u>Rules</u>	
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 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).	
			P11	42	99999999.99	None		
			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	I = 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		

Exhibit Name: Indemnity Calculations Exhibit Number: P21-2, Plan 02 & 03 Reinsurance Year: 2022 Record Name: Acreage Claim Version: Approved Record Code: P21 **Release Date:** 4/28/2022 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 02 Revenue Protection 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts 0078 Sunflowers 0015 Canola 0041 Corn 0051 Grain Sorghum **Commodity Code** 0067 Dry Peas 0081 Soybeans 0018 Rice 0043 Popcorn 0091 Barley <u>Field</u> <u>Field</u> Record <u>Field</u> <u>Field</u> **Calculations** <u>Name</u> <u>Number</u> <u>Number</u> **Rounding** <u>Rules</u> **Format** Revenue Protection, "02", Price Election Amount Calculation: When Commodity Code equals Barley, "0091", Corn, "0041", Cotton, "0021", Grain Sorghum, "0051", Soybeans, "0081" or Wheat, "0011"; round to nearest whole cent [\$9.99]. **Price Election Amount** Internal 9999.999 When Commodity Code equals Canola, "0015", Rice, "0018", Sunflowers, "0078", or Cottonseed, "0021" (Option 'SE'); round to nearest one-tenth cent [\$9.999]. Price Election Amount = MAX(Projected Price, -Harvest Price) * Price Election
Percent 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". P11 46 Contract Price that was submitted on P11 (capped with Max Contract Price from ADM). **Contract Price** 9999.9999 None

99999.9999

9.9999

None

None

Edit with ADM Price, "00810".

Price Election Percent would equal 1.00 when Insurance Plan Code "02".

Harvest Price

Price Election Percent

Internal

ICE

Acre Stage Guarantee Amount

Internal

Acre Stage Guarantee Amount = Guarantee Per Acre2 * Price Election Amount

Reinsurance Year: 2022 Record Name: Acreage Claim Version: Approved **Release Date:** 4/28/2022 Record Code: P21 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 02 Revenue Protection 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts 0078 Sunflowers 0015 Canola 0041 Corn 0051 Grain Sorghum **Commodity Code** 0067 Dry Peas 0018 Rice 0081 Soybeans 0043 Popcorn 0091 Barley <u>Field</u> <u>Field</u> <u>Field</u> <u>Record</u> <u>Field</u> **Calculations** Rounding <u>Rules</u> <u>Name</u> <u>Number</u> <u>Number</u> **Format** Revenue Protection, "02", Price Election Amount Calculation when a contrct price is submitted: Adjusted Harvest Price = [(Contract Price - Projected Price) + Harvest Price] Adjusted Harvest Price Internal 99999.9999 None When the result is based on a Contract Price for specialty types Corn, 9999.999 Price Election Amount Internal Soybeans, or Barley, round to nearest one hundredth cent [\$9.9999]. Price Election Amount = Election Percent MAX(Adjusted Harvest Price, Contract Price) * Price When the result is based on a Contract Price for Speciality 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-hundreth cent [\$9.9999]. Revenue Protection with Harvest Price Exclusion, "03", Price Election Amount Calculation: When Commodity Code equals Barley, "0091", Corn, "0041", Cotton, "0021", 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 (\$9.9999). When Commodity Code equals Canola, "0015", Rice, "0018", 9999.999 **Price Election Amount** Internal 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 (\$9.9999). When Commodity Code equals Popcorn, "0043", Dry Beans, "0047", or Dry Peas, "0067" round to nearest one-hundredth cent [\$9.9999]. Projected Price (or Contract Price if applicable) * Price Price Election Amount = Election Percent Projected Price ADM 99999.9999 Edit with ADM Price, "A00810". None Contract Price 46 P11 9999.9999 Contract Price that was submitted on P11 (capped with Max Contract Price from ADM). None ICE 9.9999 Price Election Percent would equal 1.00 when Insurance Plan Code equals "03". **Price Election Percent**

99999999.99

Round to nearest dollar and cents.

Common Crop Insurance Policy 'revenue protection guarantee (per acre)'. Not used in

determination of Loss Guarantee.

Exhibit Name: Indemnity Calculations Exhibit Number: P21-2, Plan 02 & 03 Reinsurance Year: 2022 Record Name: Acreage Claim Version: Approved **Release Date:** 4/28/2022 Record Code: P21 **Insurance Plan Code** 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0011 Wheat 0021 Cotton 0075 Peanuts 0047 Dry Beans 0078 Sunflowers 0015 Canola 0041 Corn 0051 Grain Sorghum **Commodity Code** 0081 Soybeans 0018 Rice 0043 Popcorn 0067 Dry Peas 0091 Barley <u>Field</u> <u>Field</u> <u>Field</u> Record <u>Field</u> **Calculations** <u>Number</u> Rounding <u>Rules</u> <u>Name</u> <u>Number</u> **Format** Section 2: Loss Guarantee Calculation 99999999.99 Loss Guarantee Amount P21 64 Round to nearest dollar and cents. Guarantee Per Acre2 * Price Election Amount * P21 18 Determined Acreage 99999999.99 None Loss Guarantee Amount = Determined Acreage * Liability Adjustment Factor Liability Adjustment Factor P21 39 9.999999 None **Revenue Conversion Production** P21 45 99999999.99 Round to nearest dollar and cents. to Count P21 34 Production to Count Quantity 99999999.99 Revenue Conversion Production to = Production to Count Quantity * Harvest Price 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 **Harvest Price** ADM 99999.9999 None 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 = Production to Count Loss Guarantee Amount – Revenue Conversion **Unit Deficiency Quantity** 63 S99999999.99 Round to nearest dollar and cents. P21 Preliminary Indemnity Amount P21 66 S999999999 Round to whole number. Preliminary Indemnity Amount = Unit Deficiency Quantity * Insured Share Percent 43 9.9999 **Insured Share Percent** None P11 Indemnity Amount = Preliminary Indemnity Amount * Multiple Commodity P21 67 ndemnity Amount S999999999 Round to whole number. Adjustment Factor

9999.999

S999999999

None

Round to whole number.

Edit with ICE Multiple Cropping, "D00063".

Multiple Commodity Adjustment

Factor

Total Indemnity

Total Indemnity ∑ Indemnity Amount for the Unit

ICE

Internal

Exhibit Name: Indemnity Calculations Reinsurance Year: 2022 Exhibit Number: P21-2, Plan 02 & 03 Record Name: Acreage Claim Version: Approved Record Code: P21 **Release Date:** 4/28/2022 **Insurance Plan Code** 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts 0078 Sunflowers **Commodity Code** 0015 Canola 0041 Corn 0051 Grain Sorghum 0081 Soybeans 0018 Rice 0043 Popcorn 0067 Dry Peas 0091 Barley <u>Field</u> <u>Field</u> Record <u>Field</u> <u>Field</u> **Calculations** <u>Number</u> <u>Number</u> **Rounding** <u>Rules</u> <u>Name</u> **Format** Section 4: Stage Guarantee Calculation Replant Payment for Revenue Protection, "02", and Revenue Protection with Harvest Price Exclusion, "03" When Stage Code equals Replanted, "R", When Unit of Measure equals Pounds, "LBS", then Round to whole Number. Common Crop Insurance Policy 'production guarantee (per acre)'. When Unit of Measure equals Tons, "Tons", then Round to 2 99999999.99 Guarantee Per Acre1 Internal Guarantee Per Acre1 should be rounded to whole pounds for Dry Beans, "0047" (all types), and decimals. Guarantee Per Acre1 = Approved Yield * Coverage Level Percent 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 When Unit of Measure equals Pounds, "LBS", then Round to whole Number. Guarantee Per Acre2 should be rounded to whole pounds for Dry Beans, "0047" (all types), and Guarantee Per Acre2 Internal 99999999.99 When Unit of Measure equals Tons, "Tons", then Round to 2 Dry Peas, "0067" (all types). Guarantee Per Acre2 = Guarantee per Acre1 * Guarantee Adjustment Factor decimals. Otherwise, Round to 1 decimal.

Guarantee Adjustment Factor

P11

69

0.999

None

Exhibit Name: Indemnity Calculations

		P21-2, Plan 02 & 03 Acreage Claim P21			Reinsurance Year Version Release Date	a: Approved	
Insurance Plan Code	02 Revenue Protection	03 Revenue Protection with Harve	st Price Exclusio	on			
	0011 Wheat	0021 Cotton			0047 Dry Beans		0075 Peanuts
Commodity Code	0015 Canola	0041 Corn			0051 Grain Sorghun	0078 Sunflowers	
	0018 Rice	0043 Popcorn			0067 Dry Peas	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> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>
Commodity Code <u>not</u> equal Dry Bea	ans, "0047" or Peanuts, "0075":	Acre Stage Guarantee Amount	P21	62	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 Amoun	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, "Of Acre Stage Guarantee Amount	= Maximum Renlant Guarantee Per Acre	Maximum Replant Guarantee Per Acre	ICE				Edit with SPOI "D00129".

Exhibit Name: Indemnity Calculations Reinsurance Year: 2022 Exhibit Number: P21-2, Plan 02 & 03 Record Name: Acreage Claim Version: Approved Record Code: P21 **Release Date:** 4/28/2022 **Insurance Plan Code** 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts 0078 Sunflowers **Commodity Code** 0015 Canola 0041 Corn 0051 Grain Sorghum 0081 Soybeans 0018 Rice 0043 Popcorn 0067 Dry Peas 0091 Barley <u>Field</u> <u>Field</u> Record <u>Field</u> <u>Field</u> **Calculations** <u>Number</u> <u>Number</u> **Rounding** <u>Rules</u> <u>Name</u> **Format** Commodity Code equal Dry Beans, "0047: Acre Stage Guarantee Amount Not used in determination of Loss Guarantee Amount P21 62 99999999.99 Round to nearest dollar and cents. **Price Election Amount** P11 45 99999.9999 None Based on Projected Price. Edit with SPOI ICE "D00129". If lesser of submit in AIP Acre Stage Guarantee field 36 as pounds Maximum Replant Guarantee ICE before price. Per Acre Lesser of: Result of '10% of Guarantee Per Acre2' will be used in 'Acre Stage Guarantee Amount' calculation (Insured's Actual Cost and 'Loss Guarantee Amount' calculation. Value of '10% of Guarantee Per Acre2' should be Pounds, "LBS", Round to whole Number. rounded before compare to 'Maximum Replant Guarantee Per Acre'. If lesser of submit in AIP Acre Stage Guarantee Amount = 10% of Guarantee Per Acre2 10% of Guarantee Per Acre2 Internal 99999999.99 Acre Stage Guarantee field 36 as pounds before price. Unit of Measure "LBS", Maximum Replant Guarantee Per Acre)

36

P21

Insured's Actual Cost

99999999.99

* Price Election Amount

Round(Guarantee Per Acre2 * 0.10, 0)

pounds per Dry Beans Loss Adjustment Handbook.

Insured's Actual Cost will be submitted in AIP Acre Stage Guarantee field if lesser of converted to

Exhibit Name: Indemnity Calculations Exhibit Number: P21-2, Plan 02 & 03 Reinsurance Year: 2022 Record Name: Acreage Claim Version: Approved Record Code: P21 **Release Date:** 4/28/2022 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts 0078 Sunflowers 0015 Canola 0041 Corn 0051 Grain Sorghum **Commodity Code** 0081 Soybeans 0018 Rice 0043 Popcorn 0067 Dry Peas 0091 Barley <u>Field</u> <u>Field</u> <u>Field</u> Record <u>Field</u> **Calculations** <u>Number</u> **Rounding** <u>Rules</u> <u>Name</u> <u>Number</u> **Format** Section 5: Replant Payment Loss Guarantee Calculation Commodity Code <u>not</u> equal Dry Beans, "0047" or Peanuts, "0075": Loss Guarantee Amount P21 99999999.99 Round to nearest dollar and cents. Lesser of ((20% of Guarantee Per Acre2) or Maxiumum Determined Acreage P21 18 99999999.99 None Loss Guarantee Amount = Replant Guarantee Per Acre) * Price Election Amount * Determined Acreage * Liability Adjustment Factor Liability Adjustment Factor P21 39 9.999999 None Commodity Code equal Dry Beans, "0047: 99999999.99 Loss Guarantee Amount P21 Round to nearest dollar and cents. Lesser of (Insured's Actual Cost or Round(10% of Loss Guarantee Amount = Guarantee Per Acre2, 0) or Maximum Replant Determined Acreage P21 18 99999999.99 None Guarantee Per Acre) * Price Election Amount * Determined Acreage * Liability Adjustment Factor Liability Adjustment Factor P21 39 9.999999 None Commodity Code equal Peanuts, "0075": P21 64 99999999.99 Loss Guarantee Amount Round to nearest dollar and cents. Loss Guarantee Amount = Maximum Replant Guarantee Per Acre * 18 Determined Acreage P21 99999999.99 None Determined Acreage * Liability Adjustment Factor Liability Adjustment Factor P21 39 9.999999 None Section 6: Replant Payment Indemnity Calculation Indemnity Amount P21 67 S999999999 Round to whole number. Indemnity Amount = Loss Guarantee Amount * Insured Share Percent **Insured Share Percent** P11 43 9.9999 None

S999999999

Internal

Round to whole number.

Total Indemnity ∑ Indemnity Amount for the Unit

Total Indemnity

Reinsurance Year: 2022 Record Name: Acreage Claim Version: Approved **Release Date:** 4/28/2022 Record Code: P21 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts 0078 Sunflowers 0015 Canola 0041 Corn 0051 Grain Sorghum **Commodity Code** 0067 Dry Peas 0081 Soybeans 0018 Rice 0043 Popcorn 0091 Barley <u>Field</u> <u>Field</u> <u>Field</u> Record <u>Field</u> **Calculations** <u>Number</u> **Rounding** <u>Rules</u> <u>Name</u> <u>Number</u> **Format** Section 7: Stage Guarantee Calculation Prevented Planting Payment for Revenue Protection, "02", and Revenue Protection with Harvest Price Exclusion, "03". When Stage Code equals: Prevented Planting Option 2, "P2", When Unit of Measure equals Pounds, "LBS", then Round to whole Number. Common Crop Insurance Policy 'production guarantee (per acre)'. Prevented Planting Add 10 Percent, "PT", Prevented Planting Add 5 Percent, "PF" When Unit of Measure equals Tons, "Tons", then Round to 2 Guarantee Per Acre1 should be rounded to whole pounds for Dry Beans, "0047" (all types), and decimals. Dry Peas, "0067" (all types). Internal 99999999.99 Guarantee Per Acre1 Otherwise, Round to 1 decimal. Guarantee Per Acre1 = Approved Yield * Coverage Level Percent 42 99999999.99 Approved Yield P11 None P14 34 **Coverage Level Percent** 9.9999 None Cottonseed Endorsement Option "SE": Information (Approved Yield and Insured Share Percent) will be obtained from Cotton P11 record. **Modified Yield** Internal 99999999.99 Round to whole number. Modified Yield = Approved Yield * Option Conversion Factor P11 42 99999999.99 Approved Yield None Option Conversion Factor ADM 9.9999 None Edit with ADM Option Rate, "A01060". Guarantee Per Acre1 Internal 99999999.99 Round to whole number. Guarantee Per Acre1 = Modified Yield * Coverage Level Percent 34 P14 9.9999 Coverage Level Percent When Unit of Measure equals Pounds, "LBS", then Round to whole Number. Guarantee Per Acre2 should be rounded to whole pounds for Dry Beans, "0047" (all types), and 99999999.99 When Unit of Measure equals Tons, "Tons", then Round to 2 Guarantee Per Acre2 Internal Dry Peas, "0067" (all types). decimals. Guarantee Per Acre2 = Guarantee per Acre1 * Guarantee Adjustment Factor Otherwise, Round to 1 decimal. Guarantee Adjustment Factor 69 0.999 P11 None

Reinsurance Year: 2022 Record Name: Acreage Claim Version: Approved **Release Date:** 4/28/2022 Record Code: P21 03 Revenue Protection with Harvest Price Exclusion 02 Revenue Protection **Insurance Plan Code** 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts 0078 Sunflowers 0015 Canola 0041 Corn 0051 Grain Sorghum **Commodity Code** 0018 Rice 0043 Popcorn 0067 Dry Peas 0081 Soybeans 0091 Barley <u>Field</u> <u>Field</u> <u>Field</u> Record <u>Field</u> **Calculations** <u>Name</u> <u>Number</u> <u>Number</u> **Format** Rounding <u>Rules</u> Common Crop Insurance Policy 'revenue protection guarantee (per acre)'. Not used in 99999999.99 Acre Stage Guarantee Amount 62 P21 Round to nearest dollar and cents. determination of Loss Guarantee. Based on Projected Price or Contract Price if applicable. Acre Stage Guarantee Amount = Guarantee Per Acre2 * Price Election Amount P11 45 **Price Election Amount** 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. Section 8: Prevented Planting Payment Loss Guarantee Calculation P21 64 99999999.99 Round to nearest dollar and cents. Loss Guarantee Amount When Unit of Measure equals Pounds, "LBS", then Round to whole Number. Guarantee Per Acre2 should be rounded to whole pounds for Dry Beans, "0047" (all types), and When Unit of Measure equals Tons, "Tons", then Round to 2 99999999.99 Guarantee Per Acre2 Internal Dry Peas, "0067" (all types). decimals. Loss Guarantee Amount = Guarantee Per Acre2 * Price Election Amount * Otherwise, Round to 1 decimal. Determined Acreage * Liability Adjustment Factor Based on Projected Price or Contract Price if applicable. 45 **Price Election Amount** P11 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. P21 18 99999999.99 None **Determined Acreage** Liability Adjustment Factor P21 9.999999 None Section 9: Prevented Planting Payment Indemnity Calculation Preliminary Indemnity Amount P21 66 S999999999 Round to whole number. Preliminary Indemnity Amount = Loss Guarantee Amount * Insured Share Percent 43 **Insured Share Percent** 9.9999 None P11 Indemnity Amount P21 67 S999999999 Round to whole number. Preliminary Indemnity Amount * Multiple Commodity Indemnity Amount = **Adjustment Factor** Multiple Commodity Adjustment 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.

Exhibit Name: Indemnity Calculations

Exhibit Number: P21-2, Plan 02 & 03 Reinsurance Year: 2022 Record Name: Acreage Claim Version: Approved Record Code: P21 **Release Date:** 4/28/2022 **Insurance Plan Code** 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts 0078 Sunflowers 0015 Canola 0041 Corn 0051 Grain Sorghum **Commodity Code** 0081 Soybeans 0018 Rice 0043 Popcorn 0067 Dry Peas 0091 Barley <u>Field</u> <u>Field</u> <u>Field</u> Record <u>Field</u> **Calculations** <u>Number</u> **Rounding** <u>Rules</u> <u>Name</u> <u>Number</u> **Format** Section 10: Stage Guarantee Calculation Malting Barley Price and Quality Endorsement (ME) Round to nearest whole pounds, nearest hundreth for tonage Guarantee Per Acre1 Internal 999999999.9 Common Crop Insurance Policy 'production guarantee (per acre)'. commodities, or nearest tenths for other units of measure. Guarantee Per Acre1 = Approved Yield * Coverage Level Percent 42 Approved Yield P11 99999999.99 None P14 34 9.9999 Coverage Level Percent None When Unit of Measure equals Pounds, "LBS", then Round to whole Number. 99999999.99 When Unit of Measure equals Tons, "Tons", then Round to 2 Guarantee Per Acre2 Internal Guarantee Per Acre2 = Guarantee per Acre1 * Guarantee Adjustment Factor Otherwise, Round to 1 decimal. 69 Guarantee Adjustment Factor P11 0.999 None When the Insurance Plan Code is 02, Revenue Protection: ME Harvest Price 9999.9999 Round to 4 decimals. Internal The Contract Price (ME Projected Price) that was submitted on P11 (capped by the Max Contract Contract Price P11 46 9999.9999 None Price from ADM) and used to calculate the premium. ME Harvest Price = Harvest Price + (Contract Price - Projected Price) The ADM published value with no additional calculations performed. Denoted in Price ADM as ADM 99999.9999 Projected Price None barley projected price with ME option. The ADM published value with no additional calculations performed. Denoted in Price ADM as ADM **Harvest Price** 99999.9999 None barley harvest price with ME option.

Reinsurance Year: 2022 Record Name: Acreage Claim Version: Approved Record Code: P21 **Release Date:** 4/28/2022 **Insurance Plan Code** 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts 0078 Sunflowers **Commodity Code** 0015 Canola 0041 Corn 0051 Grain Sorghum 0081 Soybeans 0018 Rice 0067 Dry Peas 0043 Popcorn 0091 Barley <u>Field</u> <u>Field</u> Record <u>Field</u> <u>Field</u> **Calculations** <u>Number</u> <u>Number</u> **Rounding** <u>Rules</u> <u>Name</u> **Format Price Election Amount** Round to 4 decimals. Internal 9999.9999 Price Election Amount = Percent MAX(Contract Price, ME Harvest Price) * Price Election Price Election Percent ICE 9.9999 Price Election Percent would equal 1.00 when Insurance Plan Code equals "02". None When the Insurance Plan Code is 03, Revenue Protection Harvest Price Exclusion: **Price Election Amount** Internal 9999.9999 Round to 4 decimals. The Contract Price (ME Projected Price) that was submitted on P11 (capped with Max Contract Price Election Amount = Contract Price * Price Election Percent Contract Price P11 46 9999.9999 None Price from ADM) and used to calculate the premium. Price Election Percent ICE 9.9999 None Common Crop Insurance Policy 'revenue protection guarantee (per acre)'. Not used in Acre Stage Guarantee Amount Round to nearest dollar and Cents P21 62 99999999.99 determination of Loss Guarantee. Acre Stage Guarantee Amount = Guarantee Per Acre2 * Price Election Amount **Price Election Amount** P11 45 99999.9999 None

Exhibit Name: Indemnity Calculations Exhibit Number: P21-2, Plan 02 & 03 Reinsurance Year: 2022 Record Name: Acreage Claim Version: Approved

	Record Name: Acreage Claim Record Code: P21			Release Date: 4/28/2022					
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 Sorghun	0078 Sunflowers			
	0018 Rice 0043 Popcorn 0067 Dry Peas						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> <u>Format</u>	<u>Field</u> <u>Rounding</u>	<u>Rules</u>		
Section 11: Malting Barley Loss Gua	arantee Calculation								
Loss Guarantee Amount	t = Guarantee Per Acre2 * Price Election Amount * Determined Acreage * Liability Adjustment Factor	Loss Guarantee Amount	P21	64	99999999.99	Round to nearest dollar and cents.			
		Determined Acreage	P21	18	99999999.99	None			
When the Insurance Plan Code is 02	2 Revenue Protection:	Liability Adjustment Factor	P21	39	9.999999	None			
Revenue Conversion Production To	D = MAX(Production to Count Quantity * ME Harvest t Price,0)	Revenue Conversion Production To Count	P21	45	99999999.99	Round to nearest dollar and cents.	Cannot equal less than 0.		
		Production to Count Quantity	P21	34	99999999.99	None			
		ME Harvest Price	Internal		9999.9999		If the ME Harvest Price has not been released for Revenue Protection, "02", the Contract Price ca be used for validation of Revenue to Count.		
When the Insurance Plan Code is 03	3, Revenue Protection Harvest Price Exclusion:								
Revenue Conversion Production To Count	To = Production to Count Quantity * Price Election Amount unt	Revenue Conversion Production To Count	P21	45	99999999.99	Round to nearest dollar and cents.			
		Production to Count Quantity	P21	34	99999999.99	None			
		Price Election Amount	P11	45	99999.9999	None			

Exhibit Name: Indemnity Calculations Reinsurance Year: 2022 Exhibit Number: P21-2, Plan 02 & 03 Record Name: Acreage Claim Version: Approved **Release Date:** 4/28/2022 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 0078 Sunflowers **Commodity Code** 0015 Canola 0041 Corn 0051 Grain Sorghum 0081 Soybeans 0018 Rice 0043 Popcorn 0067 Dry Peas 0091 Barley <u>Field</u> <u>Field</u> <u>Field</u> Record <u>Field</u> **Calculations** <u>Name</u> <u>Number</u> <u>Number</u> **Rounding** <u>Rules</u> **Format** Section 12: Malting Barley Indemnity Calculation Loss Guarantee Amount – Revenue Conversion Unit Deficiency Quantity 63 Unit Deficiency Quantity P21 S99999999.99 Round to nearest dollar and cents. = Production to Count 66 Round to whole number. Preliminary Indemnity Amount P21 S9999999999 Preliminary Indemnity Amount = Unit Deficiency Quantity * Insured Share Percent Insured Share Percent P11 43 9.9999 None **Indemnity Amount** P21 67 S999999999 Round to whole number Indemnity Amount = Adjustment Factor Preliminary Indemnity Amount * Multiple Commodity Multiple Commodity Adjustment Edit with ICE Multiple Cropping, "D00063". ICE 9999.999 None Factor

S999999999

Round to whole number.

Total Indemnity

Internal

Total Indemnity ∑ Indemnity Amount for the Unit

Exhibit Name: Indemnity Calculations Exhibit Number: P21-2, Plan 02 & 03 Reinsurance Year: 2022 Record Name: Acreage Claim Version: Approved Record Code: P21 **Release Date:** 4/28/2022 03 Revenue Protection with Harvest Price Exclusion **Insurance Plan Code** 02 Revenue Protection 0011 Wheat 0021 Cotton 0047 Dry Beans 0075 Peanuts 0078 Sunflowers 0015 Canola 0041 Corn 0051 Grain Sorghum **Commodity Code** 0018 Rice 0067 Dry Peas 0081 Soybeans 0043 Popcorn 0091 Barley <u>Field</u> <u>Field</u> <u>Record</u> <u>Field</u> <u>Field</u> **Calculations** Rounding <u>Rules</u> <u>Name</u> <u>Number</u> <u>Number</u> **Format** If Determined Acreage is <= Insured Acreage10 then no payment; if Determined Acreage is > Insured Acreage10 and < Insured Acreage50 then payment with Downed Rice Payment, option "DC", for Revenue Protection, "02", and Revenue Protection with Harvest Price Exclusion, "03", Stage Code = "DQ". if Determined Acreage is => Insured Acreage50 then payment without deductible. Section 13: Downed Rice Payment Loss Guarantee Calculation 99999999.99 Insured Acreage10 Internal Round to 1 decimal. = Reported Acreage * 10% Insured Acreage10 Reported Acreage P11 48 9999999.99 None Summed P11 DRE reported acreage for the unit. 99999999.99 Round to 1 decimal. Insured Acreage50 Internal Insured Acreage50 = Reported Acreage * 50% Summed P11 DRE reported acreage for the unit. Reported Acreage P11 9999999.99 None 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 Round to 1 decimal. Payable Downed Rice Acreage Payable Downed Rice Acreage 99999999.99 This will be the determined payable downed rice acres for the unit. Internal Without deductible: Determined Acreage P21 99999999.99 Loss Guarantee Amount 64 Round to nearest dollar and cents. Edit with ADM Price, "A00810", Fixed Coverage Amount with insurance option = 'DC'. Harvest Expense Amount ADM Payable Downed Rice Acreage * Harvest Expense Loss Guarantee Amount = Amount * Price Election Percent * Liability Adjustment Price Election Percent P14 35 9.9999 None Factor Liability Adjustment Factor P21 39 9.999999 None Section 14: Downed Rice Payment Indemnity Calculation

67

43

S999999999

9.9999

S999999999

Round to whole number.

Round to whole number.

Only Downed Rice records, no base Rice records.

None

P21

P11

Internal

ndemnity Amount

Total Indemnity

Insured Share Percent

Indemnity Amount = Loss Guarantee Amount * Insured Share Percent

Total Indemnity ∑ Indemnity Amount for the Unit