Exhibit Name: Indemnity Calculations

Exhibit Number: P21-8, Plan 55 Record Name: Acreage Claim Reinsurance Year: 2023 Version: Approved

	P21						
Insurance Plan Code		55 Yield Based Dollar Amount of	Insurance				
Commodity Code 0050 Hybrid Sorghum Seed 0062 Hybrid Seed Corn	, 5		0066 Hybrid Vegetable Seed 00			ed Rice	0093 Hybrid Sweet Corn Seed 0334 Hybrid Popcorn Seed
		<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>	
<u>Calculations</u> ection 1: Stage Guarantee Calculation		<u>Name</u>	Number	Number	<u>Format</u>	Rounding	Rules
/hen Commodity is not "0093," Hybrid Sweet Corn Seed, "033	34 " Hyhrid Poncorn Se	eed or "0066 " Hybrid Vegetable	Seed:				
(County Viold * Viold Drice Forter). Minimum Day		Approved Yield	P11	42	99999999.99	If Unit of Measure equals pounds, "LBS", then round to whole number. Otherwise, round to 1 decimal.	
Approved Yield = (County Yield - Yield Price Factor) Quantity		County Yield	ADM		999.9	None	Edit with ADM Base Rate, "A01010".
		Yield Price Factor	ICE		9.9999	None	Coverage Level Factor from SPOI. Edit with Yield Price Factor ICE, "D00041".
		Minimum Payment Quantity			999999.9		Minimum Payment Quantity must be converted to applicable Unit of Measure (whole number for pounds, 1 decimal for bushels).
		Guarantee Per Acre Amount	Internal			Round to whole number.	
Guarantee Per Acre Amount = Approved Yield * Price Election Amount		Price Election Amount	P11	45	9999.9999	None	IF "HS" elected, price should reflect the higher value of MPCI or HPSE (A00810 Hybr Seed Option Price).
hen Commodity is "0093," Hybrid Sweet Corn Seed or "0334,"	l," Hybrid Popcorn See	d:					
Approved Yield = County Yield * Coverage Level Percent		Approved Yield	P11	42	99999999.99	If Unit of Measure equals pounds, "LBS", then round to whole number. Otherwise, round to 1 decimal.	
		County Yield	ADM		999.9	None	Edit with ADM Base Rate, "A01010".
		Coverage Level Percent	P14	34		None	
Guarantee Per Acre MIN(ROUND(Contract Value * Coverage Level Per		Guarantee Per Acre Amount Price Election Amount	Internal P11	45	9999.9999	Round to whole number. None	This value will be cupped at zero. If "HS" elected, price should reflect the high value of MPCI or HPSE (A00810 Hybrid Seed Option Price).
Guarantee Per Acre = MIN(ROUND(Contract Value * Coverage Level Per Amount = ,0), ROUND(Approved Yield * Price Election Amou	e Election Amount ,0))	Contract Value	P11	78	999999999		"Total compensation specified in the hybrid sweet corn seed processor contract" or "stated seed contract value" in whole dollar amount.

Exhibit Name: Indemnity Calculations

Exhibit Number: P21-8, Plan 55 Record Name: Acreage Claim Reinsurance Year: 2023 Version: Approved

Record Code: P21			Release Date: 7/1/2022				
Incurance Plan Code		55 Yield Based Dollar Amount of Ir	nsurance				
Commodity Code 0050 Hybrid Sorghum Seed 0062 Hybrid Seed Corn		0066 Hybrid Vegetable Seed	d Rice	0093 Hybrid Sweet Corn Seed			
	<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>	0334 Hybrid Popcorn Seed Rules
Acre Stage Guarantee	Guarantee Per Acre Amount * GuaranteeAdjustment Factor	Acre Stage Guarantee Amount	P21	58	99999999.99	Round to whole number.	
Amount		Guarantee Adjustment Factor	P11	69	0.999	None	
When Commodity is "0066"	', Hybrid Vegetable Seed:		•				
		Approved Yield	P11	42	99999999.99	If Unit of Measure equals pounds, "LBS", then round to whole number. Otherwise, round to 1 decimal.	
Approved Yield	Approved Yield = County Yield * Coverage Level Percent		ADM		999.9	None	Edit with ADM Base Rate, "A01010".
		Coverage Level Percent	P14	34		None	
		Guarantee Per Acre Amount	Internal			Round to whole number.	This value will be cupped at zero.
Guarantee Per Acre = ROU Amount = Mini	ROUND(Approved Yield * Price Election Amount - Minimum Payment Quantity,0)	Price Election Amount	P11	45	9999.9999	None	
		Minimum Payment Quantity	P11	79	999999.9		Minimum Payment Quantity must be in dollars (whole numbers).
Acre Stage Guarantee Amount	= Guarantee Per Acre Amount * GuaranteeAdjustment Factor	Acre Stage Guarantee Amount	P21	58	99999999.99	Round to whole number.	
		Guarantee Adjustment Factor	P11	69	0.999	None	
Section 2: Loss Guarantee (Calculation						
	Acre Stage Guarantee Amount * Determined Acreage *	Loss Guarantee Amount	P21	64	99999999.99	Round to whole number.	
LOSS Guarantee Amount	Liability Adjustment Factor	Determined Acreage	P21	18	99999999.99	None	
		Liability Adjustment Factor	P21	39	9.999999	None	
Section 3: Indemnity Calcul							
When Commodity is <u>NOT</u> "(0093," Hybrid Sweet Corn Seed or "0334," Hybrid Popcori	Seed:					
Unit Deficiency Quantity	= Loss Guarantee Amount – Production to Count Quantity	Unit Deficiency Quantity	P21	63	S99999999.99	Round to whole number.	
Onit benciency quantity	- Loss Quarantee Amount - Froduction to Count Quantity	Production to Count Quantity	P21	34	99999999.99	None	
Preliminary Indemnity = Unit Deficiency Quantity * Insured Share Percent		Preliminary Indemnity Amount	P21	66		Round to whole number.	
Amount		Insured Share Percent	P11	43	9.9999	None	
	Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor	Indemnity Amount	P21	67	S999999999	Round to whole number.	
Indemnity Amount		Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063". Not applicable for Hybrid Seed Rice.
When Commodity is "0093,	" Hybrid Sweet Corn Seed or "0334," Hybrid Popcorn See	d:					
		Unit Deficiency Quantity Page 2	of 3 P21	63	S99999999.99	Round to whole number.	
		, Seemen, Tage 2	y. J			1	1

Exhibit Name: Indemnity Calculations

Insured Share Percent

Exhibit Number: P21-8, Plan 55
Record Name: Acreage Claim

Record Name: Acreage Claim Version: Approved Record Code: P21 Release Date: 7/1/2022

Reinsurance Year: 2023

Insurance Plan Code 55 Yield Based Dollar Amount of Insurance 0050 Hybrid Sorghum Seed 0080 Hybrid Seed Rice 0093 Hybrid Sweet Corn Seed 0066 Hybrid Vegetable Seed **Commodity Code** 0062 Hybrid Seed Corn 0334 Hybrid Popcorn Seed Field Record Field <u>Field</u> Field **Calculations** Number Number Rounding Rules Name Format Unit Deficiency Quantity = Loss Guarantee Amount – Production to Count Quantity Loss Guarantee Amount 99999999.99 P21 64 Round to whole number. 34 Production to Count Quantity P21 9999999.99 None Preliminary Indemnity = Unit Deficiency Quantity Preliminary Indemnity Amount P21 66 S999999999 Round to whole number. Amount Indemnity Amount CAP Internal S999999999 Round to whole number. = Loss Guarantee Amount - Minimum Payment Quantity
* Determined Acreage Indemnity Amount CAP Minimum Payment Quantity must be in Minimum Payment Quantity P11 79 999999.9 dollars (whole numbers). Indemnity Amount P21 67 S999999999 Round to whole number. MIN(Indemnity Amount CAP, Preliminary Indemnity Indemnity Amount =Amount) * Multiple Commodity Adjustment Factor * Edit with ICE Multiple Cropping, "D00063". Multiple Commodity Adjustment **Insured Share Percent** ICE 9999.999 None Factor Not applicable for Hybrid Seed Rice.

P11

43

9.9999

None