

Exhibit Name: Indemnity Calculations

Exhibit Number: P21-8, Plan 55

Record Name: Acreage Claim

Record Code: P21

Reinsurance Year: 2017

Version: Approved

Release Date: 7/1/2016

Insurance Plan Code 55 Yield Based Dollar Amount of Insurance

Commodity Code 0050 Hybrid Sorghum Seed 0062 Hybrid Seed Corn 0080 Hybrid Seed Rice 0093 Hybrid Sweet Corn Seed

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
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**Section 1: Stage Guarantee Calculation**

$\text{Approved Yield} = \frac{\text{County Yield} * \text{Yield Price Factor} - \text{Minimum Payment Quantity}}{\text{Quantity}}$	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".
	Yield Price Factor	ICE		9.9999	None	Coverage Level Factor from SPOI. Edit with Yield Price Factor ICE, "D00041".
	Minimum Payment Quantity					Minimum Payment Quantity must be converted to applicable Unit of Measure (whole number for pounds, 1 decimal for bushels).
$\text{Guarantee Per Acre Amount} = \text{Approved Yield} * \text{Price Election Amount}$	Guarantee Per Acre Amount	Internal			Round to whole number.	
	Price Election Amount	P11	45	9999.9999	None	IF "HS" elected, price should reflect the higher value of MPCI or HPSE (A00810 Hybrid Seed Option Price).
$\text{Acre Stage Guarantee Amount} = \frac{\text{Guarantee Per Acre Amount} * \text{Guarantee Adjustment}}{\text{Factor}}$	Acre Stage Guarantee Amount	P21	36	99999999.99	Round to whole number.	
	Guarantee Adjustment Factor	P11	69	0.999	None	

**Section 2: Loss Guarantee Calculation**

$\text{Loss Guarantee Amount} = \frac{\text{Acre Stage Guarantee Amount} * \text{Determined Acreage}}{\text{Liability Adjustment Factor}}$	Loss Guarantee Amount	P21	60	99999999.99	Round to whole number.	
	Determined Acreage	P21	18	99999999.99	None	
	Liability Adjustment Factor	P21	39	9.999999	None	

**Section 3: Indemnity Calculation**

$\text{Unit Deficiency Quantity} = \text{Loss Guarantee Amount} - \text{Production to Count Quantity}$	Unit Deficiency Quantity	P21	59	99999999.99	Round to whole number.	
	Production to Count Quantity	P21	34	99999999.99	None	
$\text{Preliminary Indemnity Amount} = \text{Unit Deficiency Quantity} * \text{Insured Share Percent}$  $\text{Indemnity Amount} = \frac{\text{Preliminary Indemnity Amount} * \text{Multiple Commodity}}{\text{Adjustment Factor}}$	Preliminary Indemnity Amount	P21	62	9999999999	Round to whole number.	
	Insured Share Percent	P11	43	9.999	None	
	Indemnity Amount	P21	63	9999999999	Round to whole number.	
	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063". Not applicable for Hybrid Seed Rice.