

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

Reinsurance Year: 2015
 Version: Approved
 Release Date: 9/20/2018

Insurance Plan Code 55 Yield Based Dollar Amount of Insurance

Commodity Code 0062 Hybrid Seed Corn 0050 Hybrid Sorghum Seed

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
--------------	------------	---------------	--------------	--------------	----------------	-------

Section 1: Stage Guarantee Calculation

$\text{Approved Yield} = \frac{(\text{County Yield} * \text{Yield Price Factor}) - \text{Minimum Payment Quantity}}$	Approved Yield	P11	43	99999999.99	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 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	46	9999.9999	None	IF "HS" elected, price should reflect the higher value of MPC1 or HPSE (A00810 Hybrid Seed Option Price).
$\text{Acre Stage Guarantee Amount} = \frac{\text{Guarantee Per Acre Amount} * \text{Guarantee Adjustment Factor}}$	Acre Stage Guarantee Amount	P21	36	99999999.99	Round to whole number.	
	Guarantee Adjustment Factor	P11	72	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	57	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	56	99999999.99	Round to whole number.	
	Production to Count Quantity	P21	34	99999999.99	None	
$\text{Preliminary Indemnity Amount} = \text{Unit Deficiency Quantity} * \text{Insured Share Percent}$	Preliminary Indemnity Amount	P21	59	9999999999	Round to whole number.	
	Insured Share Percent	P11	44	9.999	None	
$\text{Indemnity Amount} = \frac{\text{Preliminary Indemnity Amount} * \text{Multiple Commodity Adjustment Factor}}$	Indemnity Amount	P21	60	9999999999	Round to whole number.	
	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".