Exhibit Name: Premium Calculation

Exhibit Number: P11-8, Plan 55

Record Name: Acreage

Reinsurance Year: 2020 Version: Approved

Record Code: P11				Release Date		
Insurance Plan Code	55 Yield Based Dollar Amount of	nsurance				
Commodity Code 0050 Hybrid Sorghum Seed	0062 Hybrid Seed Corn 0066 Hybrid Vegetable Seed			0080	Hybrid Seed 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>	<u>Rules</u>
Section 1: Liability Calculation						
When Commodity is <u>not</u> "0093," Hybrid Sweet Corn Seed or "0066", Hybrid Vegetal	ole Seed:	1	1			
Approved Yield = (County Yield * Yield Price Factor) – Minimum Payment 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		9999.9	None	Edit with ADM Base Rate, "A01010".
	Yield Price Factor	ICE		9.9999	None	Coverage Level Factor from SPOI. Edit with Yie Price Factor ICE, "D00041".
	Minimum Payment Quantity			999999.9		Minimum Payment Quantity must be converte to applicable Unit of Measure (whole number pounds, 1 decimal for bushels).
Premium Acre Guarantee Quantity = Approved Yield * Price Election Amount	Premium Acre Guarantee Quantity	Internal		99999999.99	Round to whole number.	
	Price Election Amount	P11	45	9999.9999	None	If the HS option is elected, where applicable via the ADM, price should reflect higher of MPCI o HPSE price (A00810 Hybrid Seed Option Price).
When Commodity is "0066", Hybrid Vegetable Seed:						
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	
Premium Acre Guarantee = ROUND(Approved Yield * Price Election Amount - Quantity = Minimum Payment Quantity,0)	Premium Acre Guarantee Quantity	Internal			Round to whole number.	This value will be cupped at zero.
	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).
	Minimum Payment Quantity	P11	79	999999999	Round to whole number.	Minimum Payment Quantity must be in dollars (whole numbers).

Exhibit Name: Premium Calculation Exhibit Number: P11-8, Plan 55

Record Name: Acreage
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Reinsurance Year: 2020 Version: Approved Release Date: 7/1/2019

Insurance Plan Code55 Yield Based Dollar Amount of InsuranceCommodity Code0050 Hybrid Sorghum Seed0062 Hybrid Seed Corn0080 Hybrid Seed Rice0093 Hybrid Sweet Corn Seed

	D66 Hybrid Vegetable Seed						
	<u>Field</u>	Record	<u>Field</u>	<u>Field</u>	<u>Field</u>		
<u>Calculations</u>	<u>Name</u>	Number	Number	<u>Format</u>	Rounding	<u>Rules</u>	
When Commodity is "0093," Hybrid Sweet Corn Seed:							
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		
MIN(ROUND(Contract Value * Coverage Level Percent - Premium Acre Guarantee	Premium Guarantee Per Acre Amount	Internal			Round to whole number.	This value will be cupped at zero.	
	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).	
	Contract Value	P11	78	9999999999		"Total compensation specified in the hybrid sweet corn seed processor contract" or "stated seed contract value" in whole dollar amount.	
	Minimum Payment Quantity	P11	79			Minimum Payment Quantity must be in dollars (whole numbers).	
Acre Guarantee Quantity = Premium Acre Guarantee Quantity * Guarantee Adjustment Factor	Acre Guarantee Quantity	P11	106	99999999.99	Round to whole number.		
	Guarantee Adjustment Factor	P11	69	0.999	None	Edit with the Guarantee Adjustment ICE, "D00068" or ADM Guarantee Adjustment, "A01220" for Prevented Planting.	
Premium Total Guarantee	Premium Total Guarantee Amount	Internal		99999999.99	Round to whole number.		
	Reported Acreage	P11	48	999999.99	None	Reported Acreage must equal the sum of all Land, P27, Reported Acreage.	
Total Guarantee Amount = Acre Guarantee Quantity * Reported Acreage	Total Guarantee Amount	P11	103	99999999.99	Round to whole number.		
	Reported Acreage	P11	48	999999.99	None	Reported Acreage must equal the sum of all Land, P27, Reported Acreage.	
Premium Liability Amount = Premium Total Guarantee Amount * Insured Share Percent	Premium Liability Amount	Internal		999999999	Round to whole number.		
	Insured Share Percent	P11	43	9.9999	None		
Liability Amount = Total Guarantee Amount * Insured Share Percent	Liability Amount	P11	94	999999999	Round to whole number.		
	Insured Share Percent	P11	43	9.9999	None		

Exhibit Name: Premium Calculation

Exhibit Number: P11-8, Plan 55 Record Name: Acreage Reinsurance Year: 2020 Version: Approved Release Date: 7/1/2019

Record Code: P11 55 Yield Based Dollar Amount of Insurance **Insurance Plan Code Commodity Code** 0062 Hybrid Seed Corn 0080 Hybrid Seed Rice 0093 Hybrid Sweet Corn Seed 0050 Hybrid Sorghum Seed 0066 Hybrid Vegetable Seed Field Field Field **Field** Record Calculations Name Number Number **Format** Rounding Rules Section 2: Base Premium Rate Calculation When Rate Method Code equals Fixed Rate, "F": Base Premium Rate Internal 999999.9999999 Round to 8 decimals. Sub County Rate * Rate Differential Factor When Rate Method Code equals Additive, "A": Sub County Rate ADM 9.9999 Edit with ADM Sub County Rate, "A01050". None (Sub County Rate + Base Rate) * Rate Differential Factor Base Premium Rate = When Rate Method Code equals Multiplicative, "M": Base Rate ADM 999.9999 Edit with ADM Base Rate, "A01010". None Sub County Rate * Base Rate * Rate Differential Factor Otherwise: Edit with ADM Coverage Level Differential, Rate Differential Factor ADM 9.9999999 None "A01040". Base Rate * Rate Differential Factor Section 3: Optional Coverage Calculation Additive Optional Rate Internal 999999.9999 Round to 4 decimals. Adjustment Factor When Rate Method Code is Additive, "A": Option Rate will be the Sum of all Option Rate Additive Optional Rate Option Rate ADM 99999.9999 None with Rate Method Code equal to Additive, "A". Adjustment Factor > Option Rate * Rate Differential Factor Edit with ADM Option Rate, "A01060". Edit with ADM Coverage Level Differential, 9.99999999 Rate Differential Factor ADM None "A01040". Multiplicative Optional Rate When Rate Method Code is Multiplicative, "M": 999999.9999 Internal Round to 4 decimals. Multiplicative Optional Adjustment Factor Rate Adjustment Factor ∑ Option Rate1 * Option Rate2 * Option Rate3... Option Rate ADM 9.9999 None Edit with ADM Option Rate, "A01060". The Premium Rate for ALL Unit Structures Section 4: Premium Rate Calculation should be capped at .999 in the event various Premium Rate Internal 9999999999999999 Round to 8 decimals. Premium Rate is capped at 0.99900000. Edit with ADM Unit Discount. "A01090". When Unit Structure Code equals "OU", "UA", or Base Premium Rate * Unit Structure Discount Factor * "UD", then Unit Structure Discount Factor equals Premium Rate = Multiplicative Optional Rate Adjustment Factor + Optional Unit Discount Factor. Additive Optional Rate Adjustment Factor ADM 9.999 Unit Structure Discount Factor None When Unit Structure Code equals "BU", then Unit Structure Discount Factor equals Basic Unit Discount Factor.

Exhibit Name: Premium Calculation

Exhibit Number: P11-8, Plan 55 Record Name: Acreage Record Code: P11

Amount

Reinsurance Year: 2020 Version: Approved

Release Date: 7/1/2019

55 Yield Based Dollar Amount of Insurance Insurance Plan Code **Commodity Code** 0062 Hybrid Seed Corn 0080 Hybrid Seed Rice 0093 Hybrid Sweet Corn Seed 0050 Hybrid Sorghum Seed 0066 Hybrid Vegetable Seed Field Field Field **Field** Record Calculations Name Number Number **Format** Rounding Rules Section 5: Total Premium, Subsidy, and Producer Premium Calculation Preliminary Total Premium Internal 999999999 Round to whole number. Preliminary Total Premium Premium Liability Amount * Premium Rate * Experience Amount Amount Factor Must be a value between minimum and 47 Experience Factor P11 9.999 None maximum on ICE, "D10023". Total Premium Amount = Preliminary Total Premium Amount * Multiple Total Premium Amount P11 95 999999999 Round to whole number. Commodity Adjustment Factor Multiple Commodity Adjustment Edit with ICE Multiple Cropping, "D00063". Not ICE 9999.999 None applicable for Hybrid Seed Rice. Factor If this record qualifies for Beginning Farmer and Subsidy Amount P11 93 999999999 Round to whole number. Rancher or Native Sod, see Section 6 for subsidy Subsidy Amount = Total Premium Amount * Subsidy Percent calculations. Subsidy Percent ADM 9.999 None Edit with ADM Subsidy Percent, "A00070". Producer Premium Amount - Subsidy Amount - Amount **Producer Premium Amount** P11 96 999999999 Round to whole number. Section 6: Beginning Farmer and Rancher (BFR), Veteran Farmer Rancher (VFR), Native Sod (NS) and Conservation Compliance (CC) Subsidy Calculations Base Subsidy Amount 999999999 Round to whole number Cupped by the standard rule of \$1 if applicable. Internal Base Subsidy Amount = Total Premium Amount * Subsidy Percent Edit with ADM Subsidy Percent, "A00070". Subsidy Percent ADM 9.999 None Beginning Farmer Rancher/Veteran Farmer $\mbox{BFR/VFR Subsidy Amount} = \mbox{Total Premium Amount * 0.10 * (1 - CC Subsidy Reduction Percent)}$ BFR/VFR Subsidy Amount 999999999 Round to whole number Rancher Subsidy Amount. Internal If Applicable; else 0. If Applicable; else 0. Native Sod Subsidy Amount = Total Premium Amount * 0.50 0.50 (50%). 999999999 Round to whole number Native Sod Subsidy Amount Internal For CAT coverage, Native Sod Subsidy Amount is always 0. CC Subsidy Reduction Percent P11 76 9.9999 None If Applicable; else 0. CC Subsidy Reduction Amount = Base Subsidy Amount * CC Subsidy Reduction Percent CC Subsidy Reduction Amount. **CC Subsidy Reduction Amount** P11 111 999999999 Round to whole number If Applicable; else 0. Base Subsidy Amount + BFR/VFR Subsidy Amount -Subsidy Amount cannot exceed Total Premium Subsidy Amount = Native Sod Subsidy Amount - CC Subsidy Reduction P11 93 999999999 Round to whole number Subsidy Amount Amount. Subsidy Amount will be cupped at \$0. Amount **Producer Premium** = Total Premium Amount - Subsidy Amount **Producer Premium Amount** P11 96 999999999 Round to whole number