Exhibit Name: Premium Calculation

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

Record Name: Acreage
Record Code: P11

Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

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 Field Record Field Field **Field** Rounding Calculations Name Number Number **Format** Rules Section 1: Liability Calculation If Unit of Measure equals pounds, "LBS", then round to whole number. Approved Yield P11 42 9999999.99 Otherwise, round to 1 decimal. Approved Yield = (County Yield * Yield Price Factor) – Minimum Payment Quantity 9999.9 Edit with ADM Base Rate, "A01010". County Yield ADM None Coverage Level Factor from SPOI. Edit with Yield **Yield Price Factor** ICE 9.9999 None Price Factor ICE, "D00041". Minimum Payment Quantity must be converted Minimum Payment Quantity 999999.99 to applicable Unit of Measure (whole number for pounds, 1 decimal for bushels). Premium Acre Guarantee Internal 9999999.99 Round to whole number. Quantity Premium Acre Guarantee
Quantity = Approved Yield * Price Election Amount If the HS option is elected, where applicable via Price Election Amount P11 45 9999.9999 None the ADM, price should reflect higher of MPCI or HPSE price (A00810 Hybrid Seed Option Price). Acre Guarantee Quantity = Premium Acre Guarantee Quantity * Guarantee Acre Guarantee Quantity P11 103 9999999.99 Round to whole number. Adjustment Factor Edit with the Guarantee Adjustment ICE, 0.999 P11 69 None Guarantee Adjustment Factor "D00068". Premium Total Guarantee Internal 9999999.99 Round to whole number. Premium Total Guarantee = Premium Acre Guarantee Quantity * Reported Acreage Amount Reported Acreage must equal the sum of all 48 Reported Acreage P11 999999.99 None Land, P27, Reported Acreage. P11 99999999.99 **Total Guarantee Amount** 100 Round to whole number. Total Guarantee Amount = Acre Guarantee Quantity * Reported Acreage Reported Acreage must equal the sum of all P11 48 999999.99 None Reported Acreage Land, P27, Reported Acreage. Premium Total Guarantee Amount * Insured Share Premium Liability Amount Internal 999999999 Round to whole number. Premium Liability Amount = **Insured Share Percent** P11 43 9.9999 None Liability Amount P11 91 999999999 Round to whole number. Liability Amount = Total Guarantee Amount * Insured Share Percent

43

9.9999

None

P11

Insured Share Percent

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Exhibit Name: Premium Calculation

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

Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

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 Field Record Field Field Field Rounding Calculations Name Number Number **Format** Rules Section 2: Base Premium Rate Calculation When Rate Method Code equals Fixed Rate, "F": Base Premium Rate 999999.99999999 Round to 8 decimals. Internal Sub County Rate * Rate Differential Factor When Rate Method Code equals Additive, "A": 9.9999 Sub County Rate ADM None Edit with ADM Sub County Rate, "A01050". (Sub County Rate + Base Rate) * Rate Differential Factor Base Premium Rate = When Rate Method Code equals Multiplicative, "M": Base Rate ADM 999.9999 None Edit with ADM Base Rate, "A01010". 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 999999.9999 Internal 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, Rate Differential Factor ADM 9.99999999 None "A01040". Multiplicative Optional Rate When Rate Method Code is Multiplicative, "M": Internal 999999.9999 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 PTEHNUM RALE TO ALL OME 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.

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Exhibit Name: Premium Calculation

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

Reinsurance Year: 2017 Version: Approved Release Date: 2/7/2019

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
<u>(</u>	<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>	Rules
ction 5: Total Premium, Su	bsidy, and Producer Premium Calculation						
Preliminary Total	= Premium Liability Amount * Premium Rate * Experience Factor	Preliminary Total Premium Amount	Internal		999999999	Round to whole number.	
Premium Amount F		Experience Factor	P11	47	9.999	None	Must be a value between minimum and maximum on ICE, "D10023".
Total Premium Amount	= Preliminary Total Premium Amount * Multiple Commodity Adjustment Factor	Total Premium Amount	P11	92	999999999	Round to whole number.	
		Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063". No applicable for Hybrid Seed Rice.
Subsidy Amount = 7	= Total Premium Amount * Subsidy Percent	Subsidy Amount	P11	90	999999999	Round to whole number.	If this record qualifies for Beginning Farmer ar Rancher or Native Sod, see Section 6 for subs calculations.
		Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070".
Producer Premium = 7	Total Premium Amount - Subsidy Amount	Producer Premium Amount	P11	93	999999999	Round to whole number.	
ection 6: Beginning Farmer a	and Rancher (BFR), Native Sod (NS) and Conservation C	Compliance (CC) Subsidy Calculation	ıs				
Base Subsidy Amount =	= Total Premium Amount * Subsidy Percent	Base Subsidy Amount	Internal		999999999	Round to whole number	Cupped by the standard rule of \$1 if applicable
		Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070".
BFR Subsidy Amount = F	Total Premium Amount * 0.10 * (1 - CC Subsidy Reduction Percent)	BFR Subsidy Amount	Internal		999999999	Round to whole number	Beginning Farmer Rancher Subsidy Amount. If Applicable; else 0. 0.10 (10%).
Native Sod Subsidy Amount = 1	Total Premium Amount * 0.50	Native Sod Subsidy Amount	Internal		999999999	Round to whole number	If Applicable; else 0. 0.50 (50%). For CAT coverage, Native Sod Subsidy Amountalways 0.
CC Subsidy Reduction = E	= Base Subsidy Amount * CC Subsidy Reduction Percent	CC Subsidy Reduction Percent	P11	76	9.9999	None	If Applicable; else 0.
		CC Subsidy Reduction Amount	P11	108	999999999	Round to whole number	CC Subsidy Reduction Amount. If Applicable; else 0.
	Base Subsidy Amount + BFR Subsidy Amount - Native Sod Subsidy Amount - CC Subsidy Reduction Amount	Subsidy Amount	P11	90	999999999	Round to whole number	Subsidy Amount cannot exceed Total Premiur Amount. Subsidy Amount will be cupped at \$
Producer Premium = 7	Total Premium Amount - Subsidy Amount	Producer Premium Amount	P11	93	999999999	Round to whole number	

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