

Exhibit Name: Premium Calculation
 Exhibit Number: P11-7, Plan 51
 Record Name: Acreage
 Record Code: P11

Reinsurance Year: 2011
 Version: Approved
 Release Date: 8/11/2015

Insurance Plan Code 51 Fixed Dollar Amount of Insurance

Commodity Code 0045 Chile Peppers

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
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Section 1: Liability Calculation

$\text{Dollar Amount of Insurance} = \frac{\text{Reference Maximum Dollar Amount} * \text{Coverage Level}}{\text{Percent}}$	Dollar Amount of Insurance	P11	99	99999999.99	Round to whole number	<p>Dollar Amount of Insurance equals Catastrophic Dollar Amount, ADM Price "A00810" when Coverage Type equals Catastrophic, "C".</p> <p>Dollar Amount of Insurance equals Round(Reference Maximum Dollar Amount * Coverage Level Percent, 0) when Coverage Type equals Additional, "A"</p> <p>If Dollar Amount of Insurance > Maximum Dollar Amount, ADM Price "A00810" then Maximum Dollar Amount.</p> <p>If Dollar Amount of Insurance < Minimum Dollar Amount, ADM Price "A00810", then Minimum Dollar Amount.</p>
	Reference Maximum Dollar Amount	ADM		99999.9999	None	Edit With ADM Price, "A00810".
	Coverage Level Percent	P14	34	9.9999	None	
Acre Guarantee Quantity = Dollar Amount of Insurance	Acre Guarantee Quantity	P11	100	99999999.99	Round to whole number	
Total Guarantee Amount = Acre Guarantee Quantity * Reported Acreage	Total Guarantee Amount	P11	97	99999999.99	Round to whole number	
	Reported Acreage	P11	52	999999.99	None	Reported Acreage must equal the sum of all Land, P27, Reported Acreage.
Liability Amount = Total Guarantee Amount * Insured Share Percent	Liability Amount	P11	88	9999999999	Round to whole number	
	Insured Share Percent	P11	47	9.999	None	

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Section 2: Base Premium Rate Calculation

Base Premium Rate =	When Rate Method Code equals Fixed Rate, "F": Sub County Rate * Rate Differential Factor	Base Premium Rate	Internal		999999.99999999	Round to 8 decimals.	
	When Rate Method Code equals Additive, "A": (Sub County Rate + Base Rate) * Rate Differential Factor	Sub County Rate	ADM		9.9999	None	Edit with ADM Sub County Rate, "A01050".
	When Rate Method Code equals Multiplicative, "M": Sub County Rate * Base Rate * Rate Differential Factor	Base Rate	ADM		999.9999	None	Edit with ADM Base Rate, "A01010".
	Otherwise: Base Rate * Rate Differential Factor	Rate Differential Factor	ADM		9.99999999	None	Edit with ADM Coverage Level Differential, "A01040".

Section 3: Optional Coverage Calculation

Additive Optional Rate Adjustment Factor = \sum Option Rate * Rate Differential Factor	When Rate Method Code is Additive, "A": Additive Optional Rate Adjustment Factor		Internal		999999.9999	Round to 4 decimals.	
	Option Rate		ADM		99999.9999	None	Option Rate will be the Sum of all Option Rate with Rate Method Code equal to Additive, "A". Edit with ADM Option Rate, "A01060".
	Rate Differential Factor		ADM		9.99999999	None	Edit with ADM Coverage Level Differential, "A01040".
Multiplicative Optional Rate Adjustment Factor = \sum Option Rate1 * Option Rate2 * Option Rate3...	When Rate Method Code is Multiplicative, "M": Multiplicative Optional Rate Adjustment Factor		Internal		999999.9999	Round to 4 decimals.	
	Option Rate		ADM		9.9999	None	Edit with ADM Option Rate, "A01060".

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Section 4: Premium Rate Calculation						
	Premium Rate	Internal		9999999999.99999999	Round to 8 decimals.	
Premium Rate = Base Premium Rate * Unit Structure Discount Factor * Multiplicative Optional Rate Adjustment Factor + Additive Optional Rate Adjustment Factor	Unit Structure Discount Factor	ADM		9.999	None	<p>Edit with ADM Unit Discount, "A01090". When Unit Structure Code equals "OU", "UA", or "UD", then Unit Structure Discount Factor equals Optional Unit Discount Factor.</p> <p>When Unit Structure Code equals "BU", then Unit Structure Discount Factor equals Basic Unit Discount Factor.</p>
Section 5: Total Premium, Subsidy, and Producer Premium Calculation						
Preliminary Total Premium Amount = Liability Amount * Premium Rate	Preliminary Total Premium Amount	Internal		9999999999	Round to whole number	
Total Premium Amount = Preliminary Total Premium Amount * Multiple Commodity Adjustment Factor	Total Premium Amount	P11	89	9999999999	Round to whole number	
	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063".
Subsidy Amount = Total Premium Amount * Subsidy Percent	Subsidy Amount	P11	87	9999999999	Round to whole number	
	Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070".
Producer Premium Amount = Total Premium Amount - Subsidy Amount	Producer Premium Amount	P11	90	9999999999	Round to whole number	