Exhibit Name: Premium Calculation	
Exhibit Number: P13-2, Plan 50	**Reinsurance Year:** 2012
Record Name: Inventory Value	**Version:** Approved
Record Code: P13	**Release Date:** 10/6/2015

Insurance Plan Code	50 Dollar Amount of Insurance
Commodity Code	0073 Nursery

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Section 1: Liability Calculation						
Liability Amount = Inventory Value Amount * Survival Percent * Coverage Level Percent * Insured Share Percent * Catastrophic Factor	Liability Amount	P13	51	9999999999	Round to whole number	
	Inventory Value Amount	P13	24	999999999	None	
	Survival Percent	ADM		9.999	None	For Type 071 Liners. Edit With ADM Price, "A00810".
	Coverage Level Percent	P14	34	9.9999	None	
	Insured Share Percent	P13	26	9.999	None	
	Catastrophic Factor			9.99	None	When Coverage Type Code is equal "C", then equals 0.55. Otherwise, equals 1.0.
Section 2: Base Premium Rate Calculation						
Base Premium Rate = Base Rate * Rate Differential Factor	Base Premium Rate	Internal		999999.99999999	Round to 8 decimals.	
	Base Rate	ADM		999.9999	None	Edit with ADM Base Rate, "A01010".
	Rate Differential Factor	ADM		9.99999999	None	Edit with ADM Coverage Level Differential, "A01040".
Section 3: Optional Coverage Calculation						
Additive Optional Rate Adjustment Factor = **When Rate Method Code is Additive, "A":** $\sum$ Option Rate * Rate Differential Factor	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 = **When Rate Method Code is Multiplicative, "M":** $\sum$ Option Rate1 * Option Rate2 * Option Rate3...	Multiplicative Optional Rate Adjustment Factor	Internal		999999.9999	Round to 4 decimals.	
	Option Rate	ADM		9.9999	None	Edit with ADM Option Rate, "A01060".
Section 4: Premium Rate Calculation						**The Premium Rate for ALL Unit Structures should be capped at .999 in the event various adjustments to the Base Premium Rate would cause it to exceed 1.0.**
Premium Rate = Base Premium Rate * Unit Structure Discount Factor * Multiplicative Optional Rate Adjustment Factor + Additive Optional Rate Adjustment Factor	Premium Rate	Internal		9999999999.99999999	Round to 8 decimals.	Premium Rate is capped at 0.99900000.
	Unit Structure Discount Factor	ADM		9.999	None	Edit with ADM Unit Discount, "A01090". When Unit Structure Code equals "BU", then Unit Structure Discount Factor equals Basic Unit Discount Factor.

Exhibit Name:	Premium Calculation				
Exhibit Number:	P13-2, Plan 50		**Reinsurance Year:**	2012	
Record Name:	Inventory Value		**Version:**	Approved	
Record Code:	P13		**Release Date:**	10/6/2015	

Insurance Plan Code	50 Dollar Amount of Insurance
Commodity Code	0073 Nursery

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Section 5: Total Premium, Subsidy, and Producer Premium Calculation						
Total Premium Amount **=** Liability Amount * Premium Rate * Proration Percent	Total Premium Amount	P13	49	9999999999	Round to whole number	
	Proration Percent	ADM		9.99	None	Edit with ADM Proration, "A01070".
Subsidy Amount **=** Total Premium Amount * Subsidy Percent	Subsidy Amount	P13	50	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	P13	52	9999999999	Round to whole number	
Section 6: Commodity Year Deductible Amount Calculation						This information will be based on the 'individual line'.
Commodity Year Deductible Amount **=** Inventory Value Amount * Survival Percent * (1 - Coverage Level Percent)	Commodity Year Deductible Amount	Internal		999999999	Round to whole number	
	Inventory Value Amount	P13	24	999999999	Round to whole number	Inventory Amount for the 'individual line'.
	Survival Percent	ADM		9.999	None	For Type 071 Liners. Edit With ADM Price, "A00810".
	Coverage Level Percent	P14	34	9.9999	None	