Exhibit Name: Premium Calculation	
Exhibit Number: P13-2, Plan 50	**Reinsurance Year:** 2020
Record Name: Inventory Value	**Version:** Approved
Record Code: P13	**Release Date:** 7/31/2020

Insurance Plan Code	50 Dollar Amount of Insurance
Commodity Code	0073 Nursery 1010 Nursery (NVS)

Calculations		Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Section 1: Liability Calculation							
When Commodity Code is "0073":							
Liability Amount =	Inventory Value Amount * Survival Percent * Coverage Level Percent * Insured Share Percent * Catastrophic Factor	Liability Amount	P13	53	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	9.9999	None	
		Catastrophic Factor			9.99	None	When Coverage Type Code is equal "C", then equals 0.55. Otherwise, equals 1.0.
When Commodity Code is "1010":							
Liability Amount =	Selected Value Amount * Coverage Level Percent * Insured Share Percent * Catastrophic Factor	Liability Amount	P13	56	9999999999	Round to whole number	
		Selected Value Amoun	P13	49	999999999	None	
		Coverage Level Percent	P14	34	9.9999	None	
		Insured Share Percent	P13	26	9.9999	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 =	**When Insurance Option Code "OW" does not apply:** 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".
	When Insurance Option Code "OW" applies: Option Rate	Option Rate	ADM		9.9999	None	Edit with ADM Option Rate, "A01060" for Option.
Section 3: Optional Coverage Calculation							
Additive Optional Rate Adjustment Factor =	**When Rate Method Code is Additive, "A":** ∑ 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":** ∑ 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".

Exhibit Name: Premium Calculation						
Exhibit Number: P13-2, Plan 50			**Reinsurance Year:** 2020			
Record Name: Inventory Value			**Version:** Approved			
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Insurance Plan Code	50 Dollar Amount of Insurance	
Commodity Code	0073 Nursery	1010 Nursery (NVS)

Calculations		**Field Name**	**Record Number**	**Field Number**	**Field Format**	**Field Rounding**	**Rules**
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.
Section 5: Total Premium, Subsidy, and Producer Premium Calculation							
Total Premium Amount = Liability Amount * Premium Rate * Proration Percent		Total Premium Amount	P13	54	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	55	9999999999	Round to whole number	If this record qualifies for Beginning Farmer Rancher, see Section 7 for the subsidy calculations.
		Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070".
Producer Premium Amount = Total Premium Amount - Subsidy Amount		Producer Premium Amount	P13	57	9999999999	Round to whole number	

Exhibit Name: Premium Calculation						
Exhibit Number: P13-2, Plan 50			**Reinsurance Year:** 2020			
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Insurance Plan Code	50 Dollar Amount of Insurance	
Commodity Code	0073 Nursery	1010 Nursery (NVS)

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Section 6: Commodity Year Deductible Amount Calculation						This information will be based on the 'individual line'.
When Commodity Code is "0073":						
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	
When Commodity Code is "1010":						
Commodity Year Deductible Amount = Selected Value Amount * (1 - Coverage Level Percent)	Commodity Year Deductible Amount	Internal		999999999	Round to whole number	
	Selected Value Amoun	P13	49	999999999	None	
	Coverage Level Percent	P14	34	9.9999	None	
Section 7: Beginning Farmer and Rancher (BFR), Veteran Farmer Rancher (VFR), and Conservation Compliance (CC) Subsidy Calculations						
Base Subsidy Amount = Total Premium Amount * Subsidy Percent	Base Subsidy Amount	Internal		9999999999	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/VFR Subsidy Amount = Total Premium Amount * 0.10 * (1 - CC Subsidy Reduction Percent)	BFR/VFR Subsidy Amount	Internal		9999999999	Round to whole number	Beginning Farmer Rancher/Veteran Farmer Rancher Subsidy Amount. If Applicable;. 0.10 (10%).
CC Subsidy Reduction Amount = Base Subsidy Amount * CC Subsidy Reduction Percent	CC Subsidy Reduction Percent	P13	48	9.9999	None	If Applicable; else 0.
	CC Subsidy Reduction Amount	P13	72	9999999999	Round to whole number	CC Subsidy Reduction Amount. If Applicable; else 0.
Subsidy Amount = Base Subsidy Amount + BFR/VFR Subsidy Amount - CC Subsidy Reduction Amount	Subsidy Amount	P13	55	9999999999	Round to whole number	Subsidy Amount cannot exceed Total Premium Amount. Subsidy Amount will be cupped at $0.
Producer Premium Amount = Total Premium Amount - Subsidy Amount	Producer Premium Amount	P13	57	9999999999	Round to whole number	

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Insurance Plan Code	50 Dollar Amount of Insurance	
Commodity Code	0073 Nursery	1010 Nursery (NVS)

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Section 8: Total Premium, Subsidy, and Producer Premium Calculation if "Policy Reduced Premium Date" exists on the P14, Insurance In Force record.						
Proration Percent = Proration Percent$_1$ - Proration Percent$_2$	Proration Percent	Internal		9.99	None	
	Proration Percent$_1$	ADM		9.99	None	Edit with ADM Proration, "A01070" based on the Insured Inventory Signature Date on the P13, Inventory Value record. If Peak exists, Insurance Option Code "PE", and the Peak Termination Date (P13) is after the Policy Reduced Premium Date (P14); then Proration Percent$_1$ will be based on the Peak Commencement Date (Month).
	Proration Percent$_2$	ADM		9.99	None	Edit with ADM Proration, "A01070" based on the Policy Reduced Premium Date on the P14, Insurance In Force record.
Total Premium Amount = Liability Amount * Premium Rate * Proration Percent	Total Premium Amount	P13	54	9999999999	Round to whole number	
Subsidy Amount = Total Premium Amount * Subsidy Percent	Subsidy Amount	P13	55	9999999999	Round to whole number	If this record qualifies for Beginning Farmer Rancher, see Section 7 for the subsidy calculations.
	Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070".
Producer Premium Amount = Total Premium Amount - Subsidy Amount	Producer Premium Amount	P13	57	9999999999	Round to whole number	