Exhibit Name: Premium Calculation			
Exhibit Number: P11-11, Plan 31, 32, 33		**Reinsurance Year:** 2023	
Record Name: Acreage		**Version:** Approved	
Record Code: P11		**Release Date:** 3/6/2025	

Supplemental Coverage Option Endorsement (SCO)

Insurance Plan Code	31 SCO Yield Protection	32 SCO Revenue Protection	33 SCO Revenue Protection with Harvest Price Exclusion	

Commodity Code				
0011 Wheat	0034 Peaches	0055 Cultivated Wild Rice	0091 Barley	0231 Burley Tobacco
0012 Blueberries	0036 Prunes	0059 Silage Sorghum	0094 Rye	0233 Dark Air Tobacco
0013 Onions	0038 Sugarcane	0062 Hybrid Corn Seed	0102 Grass Seed	0235 Cigar Binder Tobacco
0015 Canola	0041 Corn	0064 Green Peas	0107 Alfalfa Seed	0309 Mandarins/Tangerines
0016 Oats	0042 Sweet Corn	0067 Dry Peas	0114 Buckwheat	0396 Sesame
0017 Millet	0043 Popcorn	0069 Mustard	0132 Cucumbers	
0018 Rice	0046 Processing Beans	0074 Mint	0147 Pumpkins	
0021 Cotton	0047 Dry Beans	0075 Peanuts	0201 Grapefruit	
0022 Cotton Ex Long Staple	0049 Safflower	0078 Sunflowers	0202 Lemons	
0028 Almonds	0050 Hybrid Sorghum Seed	0080 Hybrid Seed Rice	0203 Tangelos	
0029 Walnuts	0051 Grain Sorghum	0081 Soybeans	0227 Oranges	
0031 Flax	0053 Grapes	0084 Potatoes	0229 Flue Cured Tobacco	
0033 Forage Production	0054 Apples	0087 Tomatoes	0230 Fire Cured Tobacco	

Calculations	**Field Name**	**Record Number**	**Field Number**	**Field Format**	**Field Rounding**	**Rules**
Section 1: Liability Calculation						
Coverage Range = Area Loss Trigger - Coverage Level Percent	Coverage Range	Internal		9.9999	2 decimal places.	Coverage Range (Supplemental Coverage Range) of insured's expected value. Difference between area loss trigger and coverage level of the underlying policy.
	Area Loss Trigger	ADM		9.99	2 decimal places.	Area Loss Trigger will be 0.86 (86%). Edit with ADM Area Coverage Level, "A01130", Area Loss Start Percent.
	Coverage Level Percent	P14	34	9.9999	2 decimal places.	Coverage Level Percent will be the corresponding underlying policy Coverage Level Percent. Edit with ADM Area Coverage Level, "A01130", Coverage Level Percent (or Area Loss End Percent).
Expected Commodity Value = Underlying Liability Amount / Coverage Level Percent	Expected Commodity Value	Internal		9999999999	Round to whole number.	Expected Crop Value
	Underlying Liability Amount	Internal		9999999999	None	Underlying Liability Amount.
Total Guarantee = Expected Commodity Value * Coverage Range	Total Guarantee	Internal		9999999999	Round to whole number.	Maximum Supplemental Protection

Exhibit Name: Premium Calculation						
Exhibit Number: P11-11, Plan 31, 32, 33				**Reinsurance Year:** 2023		
Record Name: Acreage				**Version:** Approved		
Record Code: P11				**Release Date:** 3/6/2025		

Supplemental Coverage Option Endorsement (SCO)

Insurance Plan Code	31 SCO Yield Protection	32 SCO Revenue Protection	33 SCO Revenue Protection with Harvest Price Exclusion	

Commodity Code				
0011 Wheat	0034 Peaches	0055 Cultivated Wild Rice	0091 Barley	0231 Burley Tobacco
0012 Blueberries	0036 Prunes	0059 Silage Sorghum	0094 Rye	0233 Dark Air Tobacco
0013 Onions	0038 Sugarcane	0062 Hybrid Corn Seed	0102 Grass Seed	0235 Cigar Binder Tobacco
0015 Canola	0041 Corn	0064 Green Peas	0107 Alfalfa Seed	0309 Mandarins/Tangerines
0016 Oats	0042 Sweet Corn	0067 Dry Peas	0114 Buckwheat	0396 Sesame
0017 Millet	0043 Popcorn	0069 Mustard	0132 Cucumbers	
0018 Rice	0046 Processing Beans	0074 Mint	0147 Pumpkins	
0021 Cotton	0047 Dry Beans	0075 Peanuts	0201 Grapefruit	
0022 Cotton Ex Long Staple	0049 Safflower	0078 Sunflowers	0202 Lemons	
0028 Almonds	0050 Hybrid Sorghum Seed	0080 Hybrid Seed Rice	0203 Tangelos	
0029 Walnuts	0051 Grain Sorghum	0081 Soybeans	0227 Oranges	
0031 Flax	0053 Grapes	0084 Potatoes	0229 Flue Cured Tobacco	
0033 Forage Production	0054 Apples	0087 Tomatoes	0230 Fire Cured Tobacco	

Calculations	**Field Name**	**Record Number**	**Field Number**	**Field Format**	**Field Rounding**	**Rules**
	Liability Amount	P11	101	9999999999	Round to whole number.	Supplemental Protection Cup at $1.
Liability Amount = Total Guarantee * Price Election Percent	Price Election Percent	P14	35	9.9999	2 decimal places.	Protection Factor. Edit with ICE Price Election Percent , "D00007". Protection Factor will be 1.00 (100%). Protection Factor can range from .5 to 1.00 (100%) in increments of 1%. SCO Lines covering cottonseed liability will reflect the elected SCO Protection Factor as reported in the Price Election Percent field.

Section 2: Optional Coverage (Multiplicative "M")

Calculations	**Field Name**	**Record Number**	**Field Number**	**Field Format**	**Field Rounding**	**Rules**
When Rate Method Code is Multiplicative, "M":	Multiplicative Optional Rate Adjustment Factor	Internal		999999.9999	Round to 4 decimals.	
Multiplicative Optional Rate Adjustment Factor = ∑ Option Rate1 * Option Rate2 * Option Rate3...	Option Rate	ADM		9.9999	None	If underlying P11 has Short Rate, "SR", in Insurance Option Code List then this SCO P11 must have this option. Edit with ADM Option Rate, "A01060" based on SCO insurance plan. Currently this will be used for Short Rate Option.

Exhibit Name:	Premium Calculation		
Exhibit Number:	P11-11, Plan 31, 32, 33	**Reinsurance Year:**	2023
Record Name:	Acreage	**Version:**	Approved
Record Code:	P11	**Release Date:**	3/6/2025

Supplemental Coverage Option Endorsement (SCO)

Insurance Plan Code	31 SCO Yield Protection	32 SCO Revenue Protection		33 SCO Revenue Protection with Harvest Price Exclusion	
Commodity Code	0011 Wheat	0034 Peaches	0055 Cultivated Wild Rice	0091 Barley	0231 Burley Tobacco
	0012 Blueberries	0036 Prunes	0059 Silage Sorghum	0094 Rye	0233 Dark Air Tobacco
	0013 Onions	0038 Sugarcane	0062 Hybrid Corn Seed	0102 Grass Seed	0235 Cigar Binder Tobacco
	0015 Canola	0041 Corn	0064 Green Peas	0107 Alfalfa Seed	0309 Mandarins/Tangerines
	0016 Oats	0042 Sweet Corn	0067 Dry Peas	0114 Buckwheat	0396 Sesame
	0017 Millet	0043 Popcorn	0069 Mustard	0132 Cucumbers	
	0018 Rice	0046 Processing Beans	0074 Mint	0147 Pumpkins	
	0021 Cotton	0047 Dry Beans	0075 Peanuts	0201 Grapefruit	
	0022 Cotton Ex Long Staple	0049 Safflower	0078 Sunflowers	0202 Lemons	
	0028 Almonds	0050 Hybrid Sorghum Seed	0080 Hybrid Seed Rice	0203 Tangelos	
	0029 Walnuts	0051 Grain Sorghum	0081 Soybeans	0227 Oranges	
	0031 Flax	0053 Grapes	0084 Potatoes	0229 Flue Cured Tobacco	
	0033 Forage Production	0054 Apples	0087 Tomatoes	0230 Fire Cured Tobacco	

Calculations		**Field Name**	**Record Number**	**Field Number**	**Field Format**	**Field Rounding**	**Rules**
Section 3: Premium Rate							
Premium Rate =	MIN (.999, Base Rate * Multiplicative Optional Rate Adjustment Factor)	Base Rate	ADM		9.9999	None	Edit with ADM Area Rate, "A01135". If SCO is elected for underlying Cottonseed Option (SE), or Malting Barley Endorsement Option, then rate for that option.
		Premium Rate	Internal		9999999999.99999	Round to 8 decimals.	Premium Rate is capped at 0.99900000.
Section 4: Total Premium, Subsidy, and Producer Premium Calculation							
Preliminary Total Premium Amount =	Liability Amount * Premium Rate ~~Base Rate~~ * Total Premium Multiplicative Optional Rate Adjustment Factor	Preliminary Total Premium Amount	Internal		9999999999	Round to whole number.	
		Total Premium Multiplicative Optional Rate Adjustment Factor	ADM		9.9999	None	If underlying P11 has Short Rate, "SR", in Insurance Option Code List then this SCO P11 must have this option. Edit with ADM Option Rate, "A01060" based on SCO insurance plan. Currently this will be used for Short Rate Option.
Total Premium Amount =	Preliminary Total Premium Amount * Multiple Commodity Adjustment Factor	Total Premium Amount	P11	102	9999999999	Round to whole number.	
		Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063". Used when there is a first Commodity Loss.

Exhibit Name:	Premium Calculation			
Exhibit Number:	P11-11, Plan 31, 32, 33	Reinsurance Year:	2023	
Record Name:	Acreage	Version:	Approved	
Record Code:	P11	Release Date:	3/6/2025	

Supplemental Coverage Option Endorsement (SCO)

Insurance Plan Code	31 SCO Yield Protection	32 SCO Revenue Protection	33 SCO Revenue Protection with Harvest Price Exclusion	

Commodity Code				
0011 Wheat	0034 Peaches	0055 Cultivated Wild Rice	0091 Barley	0231 Burley Tobacco
0012 Blueberries	0036 Prunes	0059 Silage Sorghum	0094 Rye	0233 Dark Air Tobacco
0013 Onions	0038 Sugarcane	0062 Hybrid Corn Seed	0102 Grass Seed	0235 Cigar Binder Tobacco
0015 Canola	0041 Corn	0064 Green Peas	0107 Alfalfa Seed	0309 Mandarins/Tangerines
0016 Oats	0042 Sweet Corn	0067 Dry Peas	0114 Buckwheat	0396 Sesame
0017 Millet	0043 Popcorn	0069 Mustard	0132 Cucumbers	
0018 Rice	0046 Processing Beans	0074 Mint	0147 Pumpkins	
0021 Cotton	0047 Dry Beans	0075 Peanuts	0201 Grapefruit	
0022 Cotton Ex Long Staple	0049 Safflower	0078 Sunflowers	0202 Lemons	
0028 Almonds	0050 Hybrid Sorghum Seed	0080 Hybrid Seed Rice	0203 Tangelos	
0029 Walnuts	0051 Grain Sorghum	0081 Soybeans	0227 Oranges	
0031 Flax	0053 Grapes	0084 Potatoes	0229 Flue Cured Tobacco	
0033 Forage Production	0054 Apples	0087 Tomatoes	0230 Fire Cured Tobacco	

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Subsidy Amount = Total Premium Amount * Subsidy Percent	Subsidy Amount	P11	100	9999999999	Round to whole number.	If this record qualifies for Beginning Farmer and Rancher or Native Sod, see Section 3 for subsidy calculations.
	Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070". SCO premium subsidy is 65% (0.65).
Producer Premium Amount = Total Premium Amount - Subsidy Amount	Producer Premium Amount	P11	103	9999999999	Round to whole number.	
Section 5: Beginning Farmer and Rancher (BFR), Veteran Farmer Rancher (VFR), Native Sod (NS) 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; else 0. 0.10 (10%).
Native Sod Subsidy Amount = Total Premium Amount * 0.50	Native Sod Subsidy Amount	Internal		9999999999	Round to whole number.	If Applicable; else 0. 0.50 (50%). For CAT coverage, Native Sod Subsidy Amount is always 0.
CC Subsidy Reduction Amount = 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	118	9999999999	Round to whole number.	CC Subsidy Reduction Amount. If Applicable; else 0.
Subsidy Amount = Base Subsidy Amount + BFR/VFR Subsidy Amount - Native Sod Subsidy Amount - CC Subsidy Reduction Amount	Subsidy Amount	P11	100	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	P11	103	9999999999	Round to whole number.	