

Exhibit Name: Premium Calculation
Exhibit Number: P11-11, Plan 31, 32, 33
Record Name: Acreage
Record Code: P11

Reinsurance Year: 2020
Version: Approved
Release Date: 7/1/2019

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 |
| Liability Amount = Total Guarantee * Price Election Percent | Liability Amount | P11 | 94 | 9999999999 | Round to whole number | Supplemental Protection |
| | 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%. |

Exhibit Name: Premium Calculation
Exhibit Number: P11-11, Plan 31, 32, 33
Record Name: Acreage
Record Code: P11

Reinsurance Year: 2020
Version: Approved
Release Date: 7/1/2019

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 2: Total Premium, Subsidy, and Producer Premium Calculation

| | | | | | | |
|---|--|----------|----|------------|------------------------|--|
| $\text{Preliminary Total Premium Amount} = \frac{\text{Liability Amount} * \text{Base Rate} * \text{Total Premium}}{\text{Multiplicative Optional Rate Adjustment Factor}}$ | Preliminary Total Premium Amount | Internal | | 9999999999 | Round to whole number. | |
| | 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. |
| | 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. |
| $\text{Total Premium Amount} = \text{Preliminary Total Premium Amount} * \text{Multiple Commodity Adjustment Factor}$ | Total Premium Amount | P11 | 95 | 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. |
| $\text{Subsidy Amount} = \text{Total Premium Amount} * \text{Subsidy Percent}$ | Subsidy Amount | P11 | 93 | 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). |
| $\text{Producer Premium Amount} = \text{Total Premium Amount} - \text{Subsidy Amount}$ | Producer Premium Amount | P11 | 96 | 9999999999 | Round to whole number. | |

Exhibit Name: Premium Calculation
Exhibit Number: P11-11, Plan 31, 32, 33
Record Name: Acreage
Record Code: P11

Reinsurance Year: 2020
Version: Approved
Release Date: 7/1/2019

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: 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 | | 999999999 | Round to whole number | Capped 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 | | 999999999 | 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 | | 999999999 | 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 | 111 | 999999999 | 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 | 93 | 999999999 | Round to whole number | Subsidy Amount cannot exceed Total Premium Amount. Subsidy Amount will be capped at \$0. |
| Producer Premium Amount = Total Premium Amount - Subsidy Amount | Producer Premium Amount | P11 | 96 | 999999999 | Round to whole number | |