| | | | |
|---|---|---|---|
| **Exhibit Name:** Premium Calculation | | | |
| **Exhibit Number:** P11-7, Plan 51 | | **Reinsurance Year:** 2016 | |
| **Record Name:** Acreage | | **Version:** Approved | |
| **Record Code:** P11 | | **Release Date:** 12/6/2018 | |

| | |
|---|---|
| **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 |
|---|---|---|---|---|---|---|
| **Section 1: Liability Calculation** | | | | | | |
| Dollar Amount of Insurance $=$ Reference Maximum Dollar Amount * Coverage Level Percent | Dollar Amount of Insurance | P11 | 101 | 99999999.99 | Round to whole number | Dollar Amount of Insurance equals Catastrophic Dollar Amount, ADM Price "A00810" when Coverage Type equals Catastrophic, "C". Dollar Amount of Insurance equals Round(Reference Maximum Dollar Amount * Coverage Level Percent, 0) when Coverage Type equals Additional, "A" If Dollar Amount of Insurance > Maximum Dollar Amount, ADM Price "A00810" then Maximum Dollar Amount. If Dollar Amount of Insurance < Minimum Dollar Amount, ADM Price "A00810", then Minimum Dollar Amount. |
| | 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 | 102 | 99999999.99 | Round to whole number | |
| Total Guarantee Amount = Acre Guarantee Quantity * Reported Acreage | Total Guarantee Amount | P11 | 99 | 99999999.99 | Round to whole number | |
| | Reported Acreage | P11 | 48 | 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 | 90 | 9999999999 | Round to whole number | |
| | Insured Share Percent | P11 | 43 | 9.999 | None | |

| Exhibit Name: | Premium Calculation | | | |
|---|---|---|---|---|
| **Exhibit Name:** Premium Calculation | | | | |
| **Exhibit Number:** P11-7, Plan 51 | | **Reinsurance Year:** 2016 | | |
| **Record Name:** Acreage | | **Version:** Approved | | |
| **Record Code:** P11 | | **Release Date:** 12/6/2018 | | |

| 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 |
|---|---|---|---|---|---|---|---|
| **Section 2: Base Premium Rate Calculation** | | | | | | | |
| Base Premium Rate = | **When Rate Method Code equals Fixed Rate, "F":**<br><br>Sub County Rate * Rate Differential Factor | Base Premium Rate | Internal | | 999999.99999999 | Round to 8 decimals. | |
| | **When Rate Method Code equals Additive, "A":**<br><br>(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":**<br><br>Sub County Rate * Base Rate * Rate Differential Factor | Base Rate | ADM | | 999.9999 | None | Edit with ADM Base Rate, "A01010". |
| | **Otherwise:**<br><br>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 = | **When Rate Method Code is Additive, "A":**<br><br>$\sum$ 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":**<br><br>$\sum$ 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. | |
| | | Unit Structure Discount Factor | ADM | | 9.999 | None | 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.<br><br>When Unit Structure Code equals "BU", then Unit Structure Discount Factor equals Basic Unit Discount Factor. |

| Exhibit Name: | Premium Calculation | | Reinsurance Year: | 2016 |
|---|---|---|---|---|
| Exhibit Number: | P11-7, Plan 51 | | Version: | Approved |
| Record Name: | Acreage | | Release Date: | 12/6/2018 |
| Record Code: | P11 | | | |

| 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 |
|---|---|---|---|---|---|---|---|
| **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 | 91 | 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 | 89 | 9999999999 | Round to whole number | If this record qualifies for Beginning Farmer and Rancher or Native Sod, see Section 6 for  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 | P11 | 92 | 9999999999 | Round to whole number | |
| **Section 6: Beginning Farmer and Rancher (BFR), 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 Subsidy Amount = | Total Premium Amount * 0.10 * (1 - CC Subsidy Reduction Percent) | BFR Subsidy Amount | Internal | | 9999999999 | Round to whole number | Beginning 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 Amount | P11 | 108 | 9999999999 | Round to whole number | CC Subsidy Reduction Amount. If Applicable; else 0. |
| | | CC Subsidy Reduction Percent | P11 | 76 | 9.999 | None | If Applicable; else 0. |
| Subsidy Amount = | Base Subsidy Amount + BFR Subsidy Amount - Native Sod Subsidy Amount - CC Subsidy Reduction Amount | Subsidy Amount | P11 | 89 | 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 | 92 | 9999999999 | Round to whole number | |