| Exhibit Name Exhibit Number Record Name Record Code | Acreage | Reinsurance Year: 2023 Version: Approved Release Date: 7/1/2022 | | | | | |
|---|---|---|------------------------|------------------------|---|---|--|
| Insurance Plan Code | 55 Yield Based Dollar Amount of | Insurance | | | | | |
| Commodity Code 0050 Hybrid Sorghum Seed | 0062 Hybrid Seed Corn 0066 Hybrid Vegetable Seed | | | 0080 Hybrid Seed R | ice | 0093 Hybrid Sweet Corn Seed 0334 Hybrid Popcorn Seed | |
| Calculations | <u>Field</u> <u>Name</u> | <u>Record</u> Number | <u>Field</u> Number | <u>Field</u> Format | <u>Field</u> <u>Rounding</u> | Rules | |
| Section 1: Liability Calculation | | • | | | | | |
| When Commodity is not "0093," Hybrid Sweet Corn Seed, "0334," Hybrid Popcorn | Seed, or "0066", Hybrid Vegetabl | e Seed: | | | | | |
| Approved Yield = (County Yield * Yield Price Factor) – Minimum Payment Quantity | Approved Yield | P11 | 42 | 99999999.99 | If Unit of Measure equals pounds, "LBS", then round to whole number. Otherwise, round to 1 | | |
| | | | | | decimal. | | |
| | County Yield Yield Price Factor | ADM ICE | | 9999.9 9.9999 | None None | Edit with ADM Base Rate, "A01010". Coverage Level Factor from SPOI. Edit with Yield Price Factor ICE, "D00041". | |
| | Minimum Payment Quantity | | | 999999.9 | | Minimum Payment Quantity must be converted to applicable Unit of Measure (whole number for pounds, 1 decimal for bushels). | |
| | Premium Acre Guarantee Quantity | Internal | | 999999999.99 | Round to whole number. | | |
| Premium Acre Guarantee Quantity = Approved Yield * Price Election Amount | Price Election Amount | P11 | 45 | 9999.9999 | None | If the HS option is elected, where applicable v the ADM, price should reflect higher of MPCI HPSE price (A00810 Hybrid Seed Option Price) | |
| When Commodity is "0066", Hybrid Vegetable Seed: | | | | | | | |
| Approved Yield = County Yield * Coverage Level Percent | Approved Yield | P11 | 42 | 99999999.99 | If Unit of Measure equals pounds, "LBS", then round to whole number. Otherwise, round to 1 decimal. | | |
| | County Yield | ADM | | 999.9 | None | Edit with ADM Base Rate, "A01010". | |
| | Coverage Level Percent | P14 | 34 | | None | | |
| Premium Acre Guarantee _ ROUND(Approved Yield * Price Election Amount - Quantity = Minimum Payment Quantity,0) | Premium Acre Guarantee Quantity | Internal | | | Round to whole number. | This value will be cupped at zero. | |
| | Price Election Amount | P11 | 45 | 9999.9999 | None | If "HS" elected, price should reflect the higher value of MPCI or HPSE (A00810 Hybrid Seed Option Price). | |
| | Minimum Payment Quantity | P11 | 79 | 99999999999 | Round to whole number. | Minimum Payment Quantity must be in dollar: (whole numbers). | |

| | Exhibit Name: Premium Calculation Exhibit Number: P11-8, Plan 55 Record Name: Acreage Record Code: P11 | P11-8, Plan 55 Reinsurance Year: 2023 Acreage Version: Approved | | | | | | |
|---|---|---|-----------|----------------------|---|---|--|--|
| Insurance Plan Code | 55 Yield Based Dollar Amoun | t of Insurance | | | | | | |
| Commodity Code 0050 Hybrid Sorghum Seed | 0062 Hybrid Seed Corn | | | 0080 Hybrid Seed R | ice | 0093 Hybrid Sweet Corn Seed | | |
| <u>commoully code</u> obsorrybrid sorgham seed | | | | | | 0334 Hybrid Popcorn Seed | | |
| | 0066 Hybrid Vegetable Seed Field | Record | Field | Field | Field | USS4 Hybrid Popcorn Seed | | |
| Calculations | Name | Number | Number | Format | Rounding | Rules | | |
| When Commodity is "0093," Hybrid Sweet Corn Seed or "0334," | | | | | | | | |
| Approved Yield = County Yield * Coverage Level Percent | Approved Yield | P11 | 42 | 99999999.99 | If Unit of Measure equals pounds, "LBS", then round to whole number. Otherwise, round to 1 decimal. | | | |
| | County Yield | ADM | | 999.9 | None | Edit with ADM Base Rate, "A01010". | | |
| | Coverage Level Percent | P14 | 34 | 533.3 | None | | | |
| Premium Acre Guarantee Quantity Quantity = Percent,0), ROUND(Approved Yield * Price Election Amount ,0)) | Premium Guarantee Per Acre Amount | | | | Round to whole number. | This value will be cupped at zero. | | |
| | • | P11 | 45 | 9999.9999 | None | If "HS" elected, price should reflect the higher value of MPCI or HPSE (A00810 Hybrid Seed Option Price). | | |
| | Contract Value | P11 | 78 | 99999999999 | | "Total compensation specified in the hybrid sweet corn seed processor contract" or "stated seed contract value" in whole dollar amount. | | |
| For all commodiies: | | | | | | | | |
| | Acre Guarantee Quantity | P11 | 113 | 999999999.99 | Round to whole number. | | | |
| Acre Guarantee Quantity = Premium Acre Guarantee Quantity * Guarantee Adjustment Factor | | | 69 | 0.999 | None | Edit with the Guarantee Adjustment ICE, "D00068" or ADM Guarantee Adjustment, "A01220" for Prevented Planting. | | |
| Premium Total Guarantee Amount = Premium Acre Guarantee Quantity * | Premium Total Guarantee Amount | Internal | | 999999999.99 | Round to whole number. | | | |
| Amount = Premium Acre Guarantee Quantity * | Reported Acreage Reported Acreage | P11 | 48 | 999999.99 | None | Reported Acreage must equal the sum of all Land, P27, Reported Acreage. | | |
| | Total Guarantee Amount | P11 | 110 | 99999999.99 | Round to whole number. | | | |
| Total Guarantee Amount = Acre Guarantee Quantity * Reported | Reported Acreage | P11 | 48 | 999999.99 | None | Reported Acreage must equal the sum of all Land, P27, Reported Acreage. | | |
| When Commodity is "0093," Hybrid Sweet Corn Seed or "0334," | · · | | | | | | | |
| | Premium Liability Amount | Internal | 10 | 9999999999 | Round to whole number. | | | |
| Premium Total Guarantee Amount * = Percent - Minimum Payment Quantit | | P11 P11 | 43 79 | 9.9999 | None | Minimum Payment Quantity must be in dollars | | |
| | Liability Amount | P11 | 94 | 99999999999 | Round to whole number. | (whole numbers). | | |
| Liability Amount Total Guarantee Amount * Insured Share Percent - Minimum Payment Quantity | | P11 | 43 | 9.9999 | None | | | |
| | Minimum Payment Quantity | | 79 | | | Minimum Payment Quantity must be in dollars (whole numbers). | | |
| When Commodity is <u>NOT</u> "0093," Hybrid Sweet Corn Seed or "03 | 334," Hybrid Popcorn Seed: | | | | | | | |
| Premium Liability Amount = | Insured Share Premium Liability Amount | Internal | | 99999999999 | Round to whole number. | | | |
| Percent | | | | | | | | |
| Percent | Insured Share Percent Liability Amount | P11 Page 2 of 4 P11 | 43 101 | 9.9999 9999999999 | None Round to whole number. | Cup at \$1. | | |

| | Premium Calculation P11-8, Plan 55 Acreage P11 | , Plan 55 Reinsurance Year: 2023 | | | | | | |
|---|--|---|-------------------------|-----------------------------|------------------------|--------------------------|--|--|
| Insurance Plan Code | | 55 Yield Based Dollar Amount of Ir | isurance | | | | | |
| Commodity Code | 0050 Hybrid Sorghum Seed | 0062 Hybrid Seed Corn | ce | 0093 Hybrid Sweet Corn Seed | | | | |
| | | 0066 Hybrid Vegetable Seed | | | | 0334 Hybrid Popcorn Seed | | |
| | Calculations | <u>Field</u> Name | <u>Record</u> Number | <u>Field</u> Number | <u>Field</u> Format | <u>Field</u> Rounding | Rules | |
| Section 2: Base Premium R | ate Calculation | | | | | | | |
| | When Rate Method Code equals Fixed Rate, "F": | Base Premium Rate | Internal | | 999999.999999999 | Round to 8 decimals. | | |
| | Sub County Rate * Rate Differential Factor When Rate Method Code equals Additive, "A": | | | | | | | |
| Base Premium Rate = | (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": | Base Rate | ADM | | 999.9999 | None | Edit with ADM Base Rate, "A01010". | |
| | Sub County Rate * Base Rate * Rate Differential Factor | r | | | | | | |
| | Otherwise: | Rate Differential Factor | ADM | | 9.99999999 | None | Edit with ADM Coverage Level Differential, "A01040". | |
| Section 3: Optional Covera | Base Rate * Rate Differential Factor ge Calculation | | | | | | | |
| · | - | Additive Optional Rate Adjustment Factor | Internal | | 999999.9999 | Round to 4 decimals. | | |
| Additive Optional Rate _ Adjustment Factor _ | When Rate Method Code is Additive, "A": | 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 | When Rate Method Code is Multiplicative, "M": | Multiplicative Optional Rate Adjustment Factor | Internal | | 999999.9999 | Round to 4 decimals. | | |
| Rate Adjustment Factor | \sum Option Rate1 * Option Rate2 * Option Rate3 | Option Rate | ADM | | 9.9999 | None | Edit with ADM Option Rate, "A01060". | |
| Section 4: Premium Rate Ca | lculation | | | | | | The Premium Rate for ALL Unit Structures should be capped at .999 in the event various | |
| Premium Rate = | | Premium Rate | Internal | | 99999999999.99999999 | Round to 8 decimals. | Premium Rate is capped at 0.99900000. | |
| | Base Premium Rate * Unit Structure Discount Factor * = Multiplicative Optional Rate Adjustment Factor + Additive Optional Rate Adjustment Factor | 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. | |
| | | | | | | | When Unit Structure Code equals "BU", then Unit Structure Discount Factor equals Basic Un Discount Factor. | |

| Exhibit Name: Premium Calculation Exhibit Number: P11-8, Plan 55 Record Name: Acreage Record Code: P11 | | | Reinsurance Year: 2023 Version: Approved Release Date: 7/1/2022 | | | | |
|---|--|-------------------------|---|------------------------|---------------------------------|---|--|
| Insurance Plan Code | 55 Yield Based Dollar Amount of Ir | isurance | | | | | |
| Commodity Code 0050 Hybrid Sorghum Seed | 0062 Hybrid Seed Corn 0080 Hybrid Seed Rice 0066 Hybrid Vegetable Seed 0080 Hybrid Seed Rice | | | | | 0093 Hybrid Sweet Corn Seed 0334 Hybrid Popcorn Seed | |
| Calculations | Field Name | <u>Record</u> Number | <u>Field</u> Number | <u>Field</u> Format | <u>Field</u> <u>Rounding</u> | Rules | |
| ection 5: Total Premium, Subsidy, and Producer Premium Calculation | | | | | | | |
| Preliminary Total = Premium Liability Amount * Premium Rate * Premium Amount = Experience Factor | Preliminary Total Premium Amount | Internal | | 99999999999 | Round to whole number. | | |
| Premium Amount [–] Experience Factor | Experience Factor | P11 | 47 | 9.999 | None | Must be a value between minimum and maximum on ICE, "D10023". | |
| Total Premium Amount = Preliminary Total Premium Amount * Multiple Commodity Adjustment Factor | Total Premium Amount | P11 | 102 | 99999999999 | Round to whole number. | | |
| | Multiple Commodity Adjustment Factor | ICE | | 9999.999 | None | Edit with ICE Multiple Cropping, "D00063". Na applicable for Hybrid Seed Rice. | |
| Subsidy Amount = Total Premium Amount * Subsidy Percent | Subsidy Amount | P11 | 100 | 99999999999 | Round to whole number. | If this record qualifies for Beginning Farmer an 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 | 103 | 99999999999 | Round to whole number. | | |
| ection 6: Beginning Farmer and Rancher (BFR), Veteran Farmer Rancher (VFR), N | ative Sod (NS) and Conservation Co | mpliance (C | C) Subsidy | Calculations | | | |
| Base Subsidy Amount = Total Premium Amount * Subsidy Percent | Base Subsidy Amount | Internal | | 99999999999 | Round to whole number | Cupped by the standard rule of \$1 if applicabl | |
| | 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 | | 99999999999 | Round to whole number | Beginning Farmer Rancher/Veteran Farmer Rancher Subsidy Amount. If Applicable; else 0. | |
| Native Sod Subsidy Amount ⁼ Total Premium Amount * 0.50 | Native Sod Subsidy Amount | Internal | | 99999999999 | Round to whole number | If Applicable; else 0. 0.50 (50%). For CAT coverage, Native Sod Subsidy Amoun 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 | 99999999999 | Round to whole number | CC Subsidy Reduction Amount. If Applicable; else 0. | |
| Base Subsidy Amount + BFR/VFR Subsidy Amount - Subsidy Amount = Native Sod Subsidy Amount - CC Subsidy Reduction Amount | Subsidy Amount | P11 | 100 | 9999999999 | Round to whole number | Subsidy Amount cannot exceed Total Premiun Amount. Subsidy Amount will be cupped at \$ | |
| Producer Premium Amount = Total Premium Amount - Subsidy Amount | Producer Premium Amount | P11 | 103 | 99999999999 | Round to whole number | | |