

| Exhibit Name: Premium Calculation  <br> Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2023 <br> Record Name: Acreage Version: Approve <br> Record Code: P11 Release Date: 7/1/2022 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
| Commodity Code 0011 Wheat <br> 0015 Canola <br> 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
| Calculations | Field Name | Record Number | $\stackrel{\text { Field }}{\text { Number }}$ | Field Format | Field Rounding | Rules |
| When Guarantee Adjustment Type Code equals LatePlanting, "L" OR Prevented Planting, "P": | Guarantee Per Acre Amount | Internal |  | 999999999.99 | If Unit of Measure equals Pounds "LBS", then round to whole number. <br> If Unit of Measure equals Tons "TONS", then round to 2 decimals. <br> Otherwise, round to 1 decimals. | Guarantee Per Acre Amount should be rounded to whole pounds for Dry Beans, "0047" (all types), and Dry Peas, "0067" (all types). |
|  | Guarantee Adjustment Factor | P11 | 69 | 0.999 | None | Edit with the Guarantee Adjustment ICE, "D00068" or ADM Guarantee Adjustment, "A01220" for Preventing Planting. |
| Price Election Amount = Projected Price (or Contract Price) * Price Election Percent | Price Election Amount | Internal |  | 9999.9999 | When Commodity Code equals Barley, "0091", Corn, "0041", Cotton, "0021", Grain Sorghum, "0051", Soybeans, "0081" or Wheat, "0011"; round to nearest whole cent [\$9.99]. If result is based on Contract Price round to nearest one hundredth cent (\$9.9999). |  |




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| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
| Calculations |  | $\begin{aligned} & \text { Field } \\ & \text { Name } \end{aligned}$ | $\begin{aligned} & \text { Record } \\ & \text { Number } \\ & \hline \end{aligned}$ | $\begin{array}{\|c\|} \hline \text { Field } \\ \text { Number } \\ \hline \end{array}$ | $\begin{aligned} & \text { Field } \\ & \text { Format } \end{aligned}$ | $\begin{gathered} \text { Field } \\ \text { Rounding } \\ \hline \end{gathered}$ | Rules |
| Total Guarantee Amount = <br> Guarantee Per Acre Amount * Price Election Amount * Reported Acreage |  | Total Guarantee Amount | P11 | 103 | 99999999.99 | Round to 2 decimals. |  |
|  |  | Price Election Amount | Internal |  | 9999.9999 | None |  |
|  |  | Reported Acreage | P11 | 48 | 999999.99 | None | Reported Acreage must equal the sum of all Land, P27, Reported Acreage. |
| Premium Liability Amount $=$ Premium Total Guarantee Amount * Insured Share Percent |  | Premium Liability Amount | Internal |  | 9999999999 | Round to whole number. |  |
|  |  | Insured Share Percent | P11 | 43 | 9.9999 | None |  |
| Liability Amount $=$ Total Guarantee Amount * Insured Share Percent |  | Liability Amount | P11 | 94 | 9999999999 | Round to whole number. |  |
|  |  | Insured Share Percent | P11 | 43 | 9.9999 | None |  |
| Section 2: Unit Discount Calculation |  |  |  |  |  |  | The appropriate discount factor should be looked up and applied. |
| When commodities are setup in the unit discount table for lookups based solely on acres. |  |  |  |  |  |  |  |
| Revenue Lookup Adjustment Factor | When the Unit Structure Code is Optional Unit, "OU", "UA", "UD", Basic Unit, "BU", or Enterprise Unit, "EU": <br> Unit Structure Discount Factor | Revenue Lookup Adjustment Factor | Internal |  | 9.99999999 | None |  |
|  | When the Unit Structure Code is Whole Farm Unit "WU": <br> Unit Structure Discount Factor for Enterprise Unit"EU" | Unit Structure Discount Factor | Internal |  | 9.99999999 | None | Capped at 1.0 <br> From below for Unit Structures "OU, UA, UD, BU, EU". |



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| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field Name | Record Number | $\begin{aligned} & \text { Field } \\ & \text { Number } \end{aligned}$ | Field Format | Field Rounding | Rules |
| When commodities are setup in the unit discount table for lookups based on acres and coverage levels. |  |  |  |  |  |  |  |
| Revenue Lookup Adjustment Factor | When the Unit Structure Code is Optional Unit, "OU", "UA", or "UD": <br> Unit Structure Discount Factor | Revenue Lookup Adjustment Factor | Internal |  | 9.99999999 | None |  |
|  |  | Unit Structure Discount Factor | Internal |  | 9.99999999 | None | Capped at 1.0 <br> From below for Unit Structure "OU", "UA", or "UD". |
|  | When Unit Structure Code is Basic Unit, "BU": <br> Basic Unit Discount Factor for 65\% Coverage Level | Basic Unit Discount Factor | ADM |  | 9.999 | None | Edit with ADM Unit Discount, "A01090" for 65\% Coverage Level. <br> Basic Unit Discount Factor is contingent upon the sum of the reported acres which were not prevented from planting for the unit being greater than or equal to the Area Low Quantity and less than or equal to Area High Quantity fields contained on the ADM Unit Discount, "A01090" for 65\% Coverage Level. |
|  | When the Unit Structure Code is Enterprise Unit, "EU" or Whole Farm Unit "WU": <br> Enterprise Unit Discount Factor for 65\% Coverage Level | Enterprise Unit Discount Factor | ADM |  | 9.999 | None | Edit with ADM Unit Discount, "A01090" for 65\% Coverage Level. <br> Enterprise Unit Discount Factor is contingent upon the sum of the reported acres which were not prevented from planting for all applicable units being greater than or equal to the Area Low Quantity and less than or equal to Area High Quantity fields contained on the ADM Unit Discount, "A01090" for 65\% Coverage Level. |








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| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field Name | Record Number | Field Number | Field Format | Field <br> Rounding | Rules |
| When previous year yield limitation code = '03' and Insurance Option Code List contains Yield Cup (YC): |  |  |  |  |  |  |  |
| Prior Year Base Premium $=$ | When Unit Structure Code is equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, "BU": <br> Round(Prior Year Base Rate * 1.05 * Prior Year Rate Differential Factor * Prior Year Unit Residual Factor, 8) | Prior Year Base Premium Rate <br> Prior Year Rate Differential Factor <br> Prior Year Unit Residual Factor | Internal |  | 9999999999.99999999 | Round to 8 decimals. | Edit with ADM Coverage Level Differential, "A01040." |
|  |  |  | ADM |  | 9.999999999 | None |  |
|  |  |  | ADM |  | 999.999 | None | Edit with ADM Coverage Level Differential, "A01040." |
|  | When Unit Structure code is Enterprise Unit, "EU": <br> Round(Prior Year Base Rate * 1.05* Prior Year Rate Differential Factor * Prior Year Enterprise Unit Residual Factor, 8) | Prior Year Enterprise Unit Residual Factor | ADM |  | 9.999 | None | Edit with ADM Coverage Level Differential, "A01040". |
|  | When Unit Structure code is Whole Farm Unit, 'WU': <br> Round(Prior Year Base Rate * 1.05 * Prior Year Rate Differential Factor * Prior Year Whole Farm Unit Residual Factor, 8) | Prior Year Whole Farm Unit Residual Factor | ADM |  | 9.999 | None | Edit with ADM Coverage Level Differential, "A01040." |


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| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton <br> 0041 Corn <br> 0043 Popcorn |  |  | 047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field Name | Record Number | $\begin{aligned} & \text { Field } \\ & \text { Number } \end{aligned}$ | Field Format | Field Rounding | Rules |
| Otherwise: |  |  |  |  |  |  |  |
| Prior Year Base Premium Rate | When Unit Structure Code is equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, "BU": <br> Round(Prior Year Base Rate * Prior Year Rate Differential Factor * Prior Year Unit Residual Factor, 8) | Prior Year Base Premium Rate | Internal |  | 999999999.99999999 | Round to 8 decimals. | Edit with ADM Coverage Level Differential, "A01040". <br> See Section 17 for Option code "TA" (Trend Adjustment), "YC" (Yield Cup), "YE" (Yield Exclusion), and "QL" (Quality Loss). |
|  |  | Prior Year Rate Differential Factor | ADM |  | 9.999999999 | None |  |
|  |  | Prior Year Unit Residual Factor | ADM |  | 999.999 | None | Edit with ADM Coverage Level Differential, "A01040". <br> See Section 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "YE" (Yield Exclusion), "QL" (Quality Loss) where Unit Structure Code equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, "BU". |
|  | When Unit Structure code is Enterprise Unit, "EU": <br> Round(Prior Year Base Rate * Prior Year Rate Differential Factor * Prior Year Enterprise Unit Residual Factor, 8) | Prior Year Enterprise Unit Residual Factor | ADM |  | 9.999 | None | Edit with ADM Coverage Level Differential, "A01040". <br> See Section 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "YE" (Yield Exclusion), and "QL" (Quality Loss) where Unit Structure Code equal to Enterprise Unit, 'EU'. |
|  | When Unit Structure code is Whole Farm Unit, 'WU': <br> Round(Prior Year Base Rate * Prior Year Rate Differential Factor * Prior Year Whole Farm Unit Residual Factor, 8) | Prior Year Whole Farm Unit Residual Factor | ADM |  | 9.999 | None | Edit with ADM Coverage Level Differential, "A01040". <br> See Section 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "YE" (Yield Exclusion), and "QL" (Quality Loss) where Unit Structure Code equal to Whole Farm Unit, 'WU'. |
| Base Premium Rate = | MIN (Current Year Base Premium Rate, Prior Year Base Premium Rate * 1.2, .999) | Base Premium Rate | P11 | 97 | 999999999.9999999 | Round to 8 decimals. |  |
| Revenue Lookup Rate $=$ | MIN(Current Year Base Rate, Prior Year Base Rate * 1.2, 0.9999 ) | Revenue Lookup Rate | Internal |  | 9999999999.9999 | Round to 4 decimals. |  |



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| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
| Calculations |  | $\begin{aligned} & \text { Field } \\ & \text { Name } \end{aligned}$ | $\begin{aligned} & \text { Record } \\ & \text { Number } \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Field } \\ & \text { Number } \end{aligned}$ | $\begin{aligned} & \text { Field } \\ & \text { Format } \end{aligned}$ | $\begin{gathered} \text { Field } \\ \text { Rounding } \end{gathered}$ | Rules |
|  |  | Revenue Lookup Adjustment Factor | Internal |  | 9.99999999 | None | From Section 2. |



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| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton <br> 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field Name | Record <br> Number | Field <br> Number | Field <br> Format | Field <br> Rounding | Rules |
| $\text { LnMean } \quad=\begin{aligned} & \operatorname{Ln}(\text { Projected Price or Contract Price })- \\ & (\text { Price Volatility Factor })^{2} / 2 \end{aligned}$ |  | log Mean Quantity (LnMean) | Internal |  | 999999.99999999 | Round to 8 decimals. |  |
|  |  | Projected Price | ADM |  | 99999.9999 |  | Edit with ADM Price, "A00810". |
|  |  | Contract Price | P11 | 46 | 9999.9999 | None | Contract price as addressed in Section 1, capped with Max Contract Price from ADM. |
|  |  | Price Volatility Factor | ADM |  | 9.99 |  | Edit with ADM Price, "A00810". |
| Yield Draw Quantity Sequence <br> Number | For Sequence Number 1 to 500 Yield Draw Quantity | Yield Draw Quantity | ADM |  | S99.999999999 | None | Edit with ADM Beta, "A01020". <br> Use the Beta ID field from ADM Insurance Offer, "A00030" and the Beta "A01020" to obtain the applicable draws. There should be 500 draws (or sequence numbers) per Beta Id for every distinct Beta Id in the Insurance Offer ADM, "A00030". |
| Price Draw Quanity Sequence <br> Number | For Sequence Number 1 to 500 <br> Price Draw Quantity | Price Draw Quantity | ADM |  | S99.999999999 | None | Edit with ADM Beta, "A01020". <br> Use the Beta ID field from ADM Insurance Offer, "A00030" and the Beta "A01020" to obtain the applicable draws. There should be 500 draws (or sequence numbers) per Beta Id for every distinct Beta Id in the Insurance Offer ADM |



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| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  |  | 03 Revenue Prote | with Harvest Price Exclusion |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field <br> Name | Record <br> Number | Field Number | Field <br> Format | Field <br> Rounding | Rules |
| Simulated Revenue <br> Protection Losses $=$ Quantity | ```\ [ < Round(MAX(0, AY * covlv) * Round(MAX(ProjPrice, Factor + LnMean),12)),12),,12) - (Round(MAX(0, Yieldi * AdjStdDev + AdjMean),12) Round(MIN(2 * ProjPrice, Round(e (Price, * Price Volatility Factor + LnMean),12)), 12))),12)``` | Simulated Revenue Protection Losses Quantity(SimRPLosses) | Internal |  | 9999999999.99999999999 | Round to 12 decimals. |  |
|  |  | Approved Yield (AY) | P11 | 42 | 99999999.99 | None | For APH Trend, Quality Loss, Yield Cup, and Yield Exclusion, the Approved Yield will be the greater of the calculated approved yield and the adjusted yield. <br> For skip row commodities, the approved yield is the converted approved yield from the P15 record with skip row (yield conversion factor) applied. |
|  |  | Coverage Level Percent (covlvi) | P14 | 34 | 9.9999 | None | For Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion) this will be Effective Coverage Level Percent. See Section 16 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion). |
|  |  | Yield Draw Quantity ${ }_{\text {i }}\left(\right.$ Yield $_{\text {i }}$ ) | ADM |  | S99.999999999 | None |  |
|  |  | Projected Priced or Contract Price (ProjPrice) | ADM |  | 99999.9999 | None | Edit with ADM Price, "A00810". Contract Price as addressed in Section 1. |


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| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts <br> 0078 Sunflowers <br> 0081 Soybeans <br> 0091 Barley |
|  | Calculations | Field <br> Name | Record Number | Field Number | Field <br> Format | Field <br> Rounding | Rules |
|  |  | Simulated Revenue Protection with Harvest Price Exclusion Losses Quantity (SimRPhpeLosses) | Internal |  | 9999999999.99999999999 | Round to 12 decimals. |  |
|  |  | Approved Yield (AY) | P11 | 42 | 99999999.99 | None | For APH Trend, Quality Loss, and Yield Exclusion, the Approved Yield will be the greater of the calculated approved yield and the adjusted yield. <br> For skip row commodities, the approved yield is the converted approved yield from the P15 record with skip row (yield conversion factor) applied. |
|  |  | Coverage Level Percent (covlvi) | P14 | 34 | 9.9999 | None | For Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss) and "YE" (Yield Exclusion) this will be Effective Coverage Level Percent. See Section 16 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion). |
|  |  | Projected Priced or Contract Price (ProjPrice) | ADM |  | 99999.9999 | None | Edit with ADM Price, "A00810". Contract Price as addressed in Section 1. |


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| Insurance Plan Code 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
| Commodity Code 0011 Wheat <br> 0015 Canola <br> 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  |  |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
| Calculations | Field <br> Name | Record Number | Field Number | Field <br> Format | Field <br> Rounding | Rules |
|  | Simulated Yield Protection Base Premium Rate | Internal |  | 999999.99999999 | Round to 8 decimals. | For Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion) Effective Coverage Level Percent will replace Coverage Level Percent. |
| Simulated Revenue (Simulated Revenue Protection Losses / 500) / (Approved Protection Base Premium = Yield * Coverage Level Percent * (Projected Price or Rate Contract Price)) | Simulated Revenue Protection Base Premium Rate | Internal |  | 999999.99999999 | Round to 8 decimals. | For Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion) Effective Coverage Level Percent will replace Coverage Level Percent. |
| Simulated RevenueProtection with HarvestPrice Exclusion BasePremium Rate $\quad$(Simulated Revenue Protection with harvest Price Exclusion <br> Persent * (Projected Price or Contract Price)) | Simulated Revenue Protection with Harvest Price Exclusion Base Premium Rate | Internal |  | 999999.99999999 | Round to 8 decimals. | For Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion) Effective Coverage Level Percent will replace Coverage Level Percent. |
| Preliminary Revenue MAX(Simulated Revenue Protection Base Premium Rate Protection Premium Add = Simulated Yield Protection Base Premium Rate, 0.01 * Base on Rate Premium Rate) | Preliminary Revenue Protection Premium Add on Rate | Internal |  | 999999.99999999 | Round to 8 decimals. | This is a control meant to ensure that the premium rate associated with Revenue Protection is at least 1\% greater than the basic Base Premium Rate where the Price Volatility Factor is NOT EQUAL to 0. |
| Preliminary RevenueProtection with HarvestPrice Exclusion Add onRateMAX(Simulated Revenue Protection with Harvest Price <br> Exclusion Base Premium Rate - Simulated Yield Protection <br> Base Premium Rate, -0.5 * Base Premium Rate) | Preliminary Revenue Protection with Harvest Price Exclusion Add on Rate | Internal |  | 999999.99999999 | Round to 8 decimals. | This is a control meant to ensure that the premium rate associated with Revenue Protection with Harvest Price Exclusion will not be less than half of the Base Premium Rate where the Price Volatility Factor is NOT EQUAL to 0. |



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| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  |  | 03 Revenue Protectio | with Harvest Price Exclusion |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 7 Dry Beans <br> 1 Grain Sorghum <br> 7 Dry Peas |  | 0075 Peanuts <br> 0078 Sunflowers <br> 0081 Soybeans <br> 0091 Barley |
| Calculations |  | Field <br> Name | Record Number | Field Number | Field <br> Format | Field <br> Rounding | Rules |
| Capping Yield Ratio $=$ Rate Yield $/$ Capping Reference Yield |  | Capping Yield Ratio | Internal |  | 9.99 | Round to 2 decimals. | Cup at 0.50 and Cap at 1.50. |
|  |  | Rate Yield | P15 | 35 | 99999999.99 | None | For skip row commodities, the rate yield is the converted rate yield from the P15 record with skip row (yield conversion factor) applied. |
|  |  | Capping Reference Yield | ADM |  | 99999.99 | None | Edit with ADM Historical Revenue Capping, "A01110". |
| Prior Capping Yield Ratio $=$ Rate Yield $/$ Prior Capping Reference Yield |  | Prior Capping Yield Ratio | Internal |  | 9.99 | Round to 2 decimals. | Cup at 0.50 and Cap at 1.50. |
|  |  | Rate Yield | P15 | 35 | 99999999.99 | None | For skip row commodities, the rate yield is the converted rate yield from the P15 record with skip row (yield conversion factor) applied. |
|  |  | Prior Capping Reference Yield | ADM |  | 99999.99 | None | Edit with ADM Historical Revenue Capping, "A01110". |
| Capping Rate Multiplier $=$ Capping Yield Ratio ^Capping Exponent Value |  | Capping Rate Multiplier | Internal |  | 999999.99999999 | Round to 8 decimals. |  |
|  |  | Capping Exponent Value | ADM |  | S99.999 | None | Edit with ADM Historical Revenue Capping, "A01110". |


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| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  |  | 03 Revenue Protectio | with Harvest Price Exclusion |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 7 Dry Beans 1 Grain Sorghum 7 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field <br> Name | Record <br> Number | Field <br> Number | Field <br> Format | Field <br> Rounding | Rules |
| $\begin{aligned} & \text { Prior Capping Rate } \\ & \text { Multiplier } \end{aligned}$ | Prior Capping Yield Ratio ^ Prior Capping Exponent Value | Prior Capping Rate Multiplier | Internal |  | 999999.99999999 | Round to 8 decimals. |  |
|  |  | Prior Capping Exponent Value | ADM |  | S99.999 | None | Edit with ADM Historical Revenue Capping, "A01110". |
| Historical Capping Base Rate | If Rate Method Code = Fixed, "F": <br> Sub County Rate | Historical Capping Base Rate | Internal |  | 999999.99999999 | Round to 8 decimals. |  |
|  | ```If Rate Method Code = Additive, "A": Sub County Rate + (Capping Rate Multiplier * Capping Reference Rate + Capping Fixed Rate)``` | Sub County Rate | ADM |  | 9.9999 | None | Edit with ADM Sub County Rate, "A01050". |
|  | ```If Rate Method Code = Multiplicative, "M": Sub County Rate * (Capping Rate Multiplier * Capping Reference Rate + Capping Fixed Rate)``` | Capping Reference Rate | ADM |  | 9.9999 |  | Edit with ADM Historical Revenue Capping, "A01110". |
|  | Otherwise: <br> (Capping Rate Multiplier * Capping Reference Rate + Capping Fixed Rate) | Capping Fixed Rate | ADM |  | 9.9999 |  | Edit with ADM Historical Revenue Capping, "A01110". |
| $\begin{aligned} & \text { Historical Prior Capping } \\ & \text { Base Rate }= \end{aligned}$ | If Rate Method Code = Fixed "F": <br> Sub County Rate | Historical Prior Capping Base Rate | Internal |  | 999999.99999999 | Round to 8 decimals. |  |
|  | ```If Rate Method Code = Additive, "A": Sub County Rate + (Prior Capping Rate Multiplier * Prior Capping Reference Rate + Prior Capping Fixed Rate)``` | Sub County Rate | ADM |  | 9.9999 | None | Edit with ADM Sub County Rate, "A01050". |
|  | ```If Rate Method Code = Multiplicative, "M": Sub County Rate * (Prior Capping Rate Multiplier * Prior Capping Reference Rate + Prior Capping Fixed Rate)``` | Prior Capping Reference Rate | ADM |  | 9.9999 |  | Edit with ADM Historical Revenue Capping, "A01110". |
|  | Otherwise: <br> (Prior Capping Rate Multiplier * Prior Capping Reference <br> Rate + Prior Capping Fixed Rate) | Prior Capping Fixed Rate | ADM |  | 9.9999 |  | Edit with ADM Historical Revenue Capping, "A01110". |
| Historical Basic Unit Base Rate | .9 * MIN(.999, Historical Prior Capping Base Rate * 1.2, Historical Capping Base Rate) | Historical Basic Unit Base Rate | Internal |  | 999999.99999999 | Round to 8 decimals. |  |





| Exhibit Name: Premium Calculation <br> Exhibit Number: P11-1, Plan 01, 02, 03 <br> Record Name: Acreage <br> Record Code: P11 |  |  |  | Reinsurance Year: 2023 <br> Version: Approved <br> Release Date: 7/1/2022 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
| Commodity Code 0011 Wheat <br> 0015 Canola <br> 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 7 Dry Beans 1 Grain Sorghum 7 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
| Calculations | Field Name | Record Number | Field Number | Field Format | Field <br> Rounding | Rules |
| Section 7: Whole Farm Unit Base Premium Rate |  |  |  |  |  | The Whole Farm Unit Discount is only applicable to the Revenue Protection and Revenue Protection with Harvest Price Exclusion Insurance Plans, unless the Special Provisions allow Whole Farm Units for other Insurance Plans. <br> Whole Farm Units will now mandate that producers include both their spring and fall planted commodities into the whole farm unit for commodity/plans offering Whole Farm Units. <br> Malting Barley Coverage is NOT applicable for Whole Farm Unit. |
| Lookup Rate $=$ Revenue Lookup Rate ${ }^{\text {* Revenue Lookup Adjustment Factor }}$ | Lookup Rate | Internal |  | 9999999999.9999 | Round to 4 decimals. |  |
|  | Revenue Lookup Rate | Internal |  | 9999999999.9999 | Round to 4 decimals. | From Section 3. |
|  | Revenue Lookup Adjustment Factor | Internal |  | 9.99999999 | None | From Section 2. |
| $\text { Mean Quantity commodityj }=\begin{aligned} & \text { Mean Quantity commodityj } \\ & \text { Base Rate } \text { Whemmodityj } \end{aligned}$ | Mean Quantity commodity | ADM |  | 999.999999999 | None | Edit with ADM Combo Revenue Factor, "A01030". <br> Search the Combo Revenue Factor, "A01030" for the Mean Quantity, When the Lookup Rate = Base Rate |
|  | Lookup Rate ${ }_{\text {commodity }}$ | Internal |  | 9.9999 | None |  |
|  | Base Rate ${ }_{\text {commodity }}$ | ADM |  | 9.9999 | None | Edit with ADM Combo Revenue Factor, "A01030". |


| Exhibit Name: Premium Calculation  <br> Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2023 <br> Record Name: Acreage Version: Approved <br> Record Code: P11 Release Date: $7 / 1 / 2022$ |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
| Commodity Code 0011 Wheat <br> 0015 Canola <br> 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
| Calculations | Field <br> Name | Record <br> Number | Field Number | Field <br> Format | Field Rounding | Rules |
| $\begin{aligned} & \text { Standard Deviation } \\ & \text { Quantity commodityj } \end{aligned}=\begin{aligned} & \text { Standard Deviation Quantity }{ }_{\text {commodityj }}=\text { Base Rate } \text { commodityj }^{\text {com }} \text { WHERE Lookup Rate } \end{aligned}$ | Standard Deviation Quantity <br> commodityj | ADM |  | 999.999999999 | None | Edit with ADM Combo Revenue Factor, "A01030". <br> Search the Combo Revenue Factor, "A01030" for the Standard Deviation Quantity, When the Lookup Rate = Base Rate |
|  | Lookup Rate ${ }_{\text {commodity }}$ | Internal |  | 9.9999 | None |  |
|  | Base Rate ${ }_{\text {commodity }}$ | ADM |  | 9.9999 | None | Edit with ADM Combo Revenue Factor, "A01030". |
|  | Adjusted Mean Quantity <br> commodityj | Internal |  | 999999.999999999 | Round to 8 decimals. |  |
|  | Approved Yield ${ }_{\text {commodityi }}$ | P11 | 42 | 99999999.99 | None | For APH Trend, Yield Cup, Quality Loss, and Yield Exclusion, the Approved Yield will be the greater of the calculated approved yield and the adjusted yield. <br> For skip row commodities, the approved yield is the converted approved yield from the P15 record with skip row (yield conversion factor) applied. |
| $\begin{aligned} & \text { Adjusted Standard } \\ & \text { Deviation Quantity }=\begin{array}{l} \text { Approved Yield } \text { commodityj } * \\ \text { Standard Deviation Quantity } \text { commodityj } / 100 \end{array} . \end{aligned}$ | Adjusted Standard Deviation Quantity <br> commodityj | Internal |  | 9999999999.99999999 | Round to 8 decimals. |  |
|  | Approved Yield ${ }_{\text {commodity }}$ | P11 | 42 | 99999999.99 | None | For APH Trend, Yield Cup, Quality Loss, and Yield Exclusion, the Approved Yield will be the greater of the calculated approved yield and the adjusted yield. <br> For skip row commodities, the approved yield is the converted approved yield from the P15 record with skip row (yield conversion factor) applied. |


| Exhibit Name: Premium Calculation  <br> Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2023 <br> Record Name: Acreage Version: Approved <br> Record Code: P11 Release Date: $7 / 1 / 2022$ |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton <br> 0041 Corn 0043 Popcorn | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |  |
| Calculations |  | Field Name | Record <br> Number | Field Number | Field <br> Format | Field <br> Rounding | Rules |
| LnMean commodityj | $\operatorname{In}\left(\right.$ Projected Price or Contract Price $\left._{\text {commodityj }}\right)$ - (Price Volatility Factor $\left.{ }_{\text {commodityj }}\right)^{2} / 2$ | log Mean ${ }_{\text {commodityj }}$ (LnMean) | Internal |  | 999999.99999999 | Round to 8 decimals. |  |
|  |  | Projected Price or Contract Price $_{\text {commodityj }}$ | ADM |  | 99999.9999 |  | Edit with ADM Price, "A00810". Contract Price as addressed in Section 1. |
|  |  | Price Volatility Factor ${ }_{\text {commodity }}$ | ADM |  | 9.99 | None | Edit with ADM Price, "A00810". |
| Yield Draw Quantity <br> commodityj Sequence Number | Yield Draw Quantity commodity | Yield Draw Quantity | ADM |  | S99.999999999 | None | ADM Insurance Offer, "A00030", and Beta, "A01020", should be used to obtain the applicable draws. There should be 500 Draws (or sequence numbers) per Beta Id in the ADM Beta, "A01020" for every distinct Beta Id in the ADM Insurance Offer, "A00030". |
| Price Draw Quantity <br> commodityj Sequence Number | $=$ Price Draw Quantity ${ }_{\text {commodity }}$ | Price Draw Quantity | ADM |  | S99.999999999 | None | ADM Insurance Offer, "A00030", and Beta, "A01020", should be used to obtain the applicable draws. There should be 500 Draws (or sequence numbers) per Beta Id in the ADM Beta, "A01020" for every distinct Beta Id in the ADM Insurance Offer, "A00030". |




| Exhibit Name: Premium Calculation  <br> Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2023 <br> Record Name: Acreage Version: Approved <br> Record Code: P11 Release Date: $7 / 1 / 2022$ |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field Name | Record Number | $\begin{aligned} & \text { Field } \\ & \text { Number } \end{aligned}$ | Field Format | Field Rounding | Rules |
| Simulated Revenue Protection Harvest Price Excluded Losses Whole Farm | $\sum_{i=1}^{500}$ Round(MAX ( $0, \sum$ covlvil commmoditivi ${ }^{\text {al }}$ <br> i=1 <br> $j=$ <br> AY commodityj $^{*}$ ProjPrice $_{\text {commodityj }}$ <br> * Acres $_{\text {commodityj }}$ ) - <br> all commodities <br> $\sum$ Round(MAX(0) Round(Yield commodityji $^{*}$ <br> $j=$ <br> AdjStdDev commodityj + AdjMean $_{\text {commodityj,12 }}$ )),12) * <br> Round(MIN(2 * ProjPrice commodityj, , <br> Round( $\mathrm{e}^{\text {(Pricecommodityji * Price Volatility Factorcommodityj + }}$ <br> LnMeancommodityj) ,12)),12) * Round(Acres commodityj,12) ), 12) | Simulated Revenue Protection Harvest Price Excluded Losses Whole Farm (SimRPhpeLossesWF) | Internal |  | 9999999999.99999999999 | Round to 12 decimals. | Simulated Revenue Protection Harvest Price Excluded Losses for All Commodity/Acreage report lines in the Whole Farm Unit. |
|  |  | Coverage Level Percent $_{\text {commodityj }}$ (covilv) | P14 | 34 | 9.9999 | None | For Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion) this will be Effective Coverage Level Percent. See Section 16 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion). |
|  |  | Approved Yield ${ }_{\text {commodity }}(\mathrm{AY}$ ) | P11 | 42 | 99999999.99 | None | Approved Yield for each Commodity/Acreage report line in the Whole Farm Unit. <br> For APH Trend, Yield Cup, Quality Loss, Yield Cup, and Yield Exclusion, the Approved Yield will be the greater of the calculated approved yield and the adjusted yield. <br> For skip row commodities, the approved yield is the converted approved yield from the P15 record with skip row (yield conversion factor) applied. |
|  |  | Reported Acreage ${ }_{\text {commodity }}$ ( Acres) | P11 | 48 | 999999.99 | None | Reported Acreage must equal the sum of all Land, P27, Reported Acreage. <br> Reported Acreage for each Commodity/Acreage report line in the Whole Farm Unit. |
|  |  | Projected Price or Contract Price $_{\text {commodityj }}$ (ProjPrice) | ADM |  | 99999.9999 | None | Projected Price or Contract Price (as addressed in Section 1) for each Commodity/Acreage report line in the Whole Farm Unit. |
|  |  | Yield Draw Quantity commodityj $^{\text {i }}$ (Yield) | ADM |  | S99.999999999 | None | Yield Draw Quantity for each Commodity/Acreage report line in the Whole Farm Unit. |
|  |  | Adjusted Standard Deviation Quantity commodityj $^{(A d j S t n D e v)}$ | Internal |  | 9999999999.99999999 | None | Adjusted Standard Deviation Quantity for each Commodity/Acreage report line in the Whole Farm Unit. |
|  |  | Adjusted Mean Quantity commoditivj $^{\text {a }}$ (AdjMean) | Internal |  | 999999.999999999 | None | Adjusted Mean Quantity for each Commodity/Acreage report line in the Whole Farm Unit. |
|  |  | Price Draw Quanity commodityi (Price) | ADM |  | S99.999999999 | None | Price Draw Quantity for each Commodity/Acreage report line in the Whole Farm Unit. |



| Exhibit Name: Premium Calculation  <br> Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2023 <br> Record Name: Acreage Version: Approved <br> Record Code: P11 Release Date: $7 / 1 / 2022$ |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 7 Dry Beans <br> 1 Grain Sorghum <br> Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field <br> Name | Record <br> Number | Field <br> Number | Field <br> Format | Field Rounding | Rules |
|  |  | Coverage Level Percent ${ }_{\text {commodityj }}$ (covlvl) | P14 | 34 | 9.9999 | None $\quad$For Option Code "TA" (Trend Adjustment), "YC" <br> (Yield Cup), "QL" (Quality Loss), and "YE" (Yield <br> Exclusion) this will be Effective Coverage Level <br> Percent. See Section 16 for Option Code "TA" <br> (Trend Adjustment), "YC" (Yield Cup), "QL" <br> (Quality Loss), and "YE" (Yield Exclusion). |  |
|  |  | Revenue Protection Whole Farm Rate | Internal |  | 9999999999.99999999 | Round to 8 decimals. |  |
|  |  | Projected Price or Contract Price $_{\text {commodityj }}$ (ProjPrice) | ADM |  | 99999.9999 | None | Edit with ADM Price, "A00810". <br> Projected Price or Contract Price (as addressed in Section 1) for each Commodity/Acreage report line in the Whole Farm Unit. |
| Revenue Protection with Harvest Price Exclusion = Whole Farm Rate | $\frac{\text { SimRPhpeLossesWF }}{500}$ | Coverage Level Percent ${ }_{\text {commodityj }}$ (covivl) | P14 | 34 | 9.9999 | None | For Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion) this will be Effective Coverage Level Percent. See Section 16 for Option Code "TA" (Trend Adjustment), "QL" (Quality Loss), and "YE" (Yield Exclusion). |
|  | $=\sum_{\mathrm{j}=}^{\text {all commodities }} \text { covlvi }_{\text {commodityj }} * \mathrm{AY}_{\text {commodityj }} * \text { ProjPrice }_{\text {commodityj }} *$ | Revenue Protection with Harvest Price Exclusion Whole Farm Rate | Internal |  | 9999999999.99999999 | Round to 8 decimals. |  |
|  | Acres ${ }_{\text {commodity }}$ ) | Projected Price or Contract Price $_{\text {commodityj }}$ (ProjPrice) | ADM |  | 99999.9999 | None | Edit with ADM Price, "A00810". <br> Projected Price or Contract Price (as addressed in Section 1) for each Commodity/Acreage report line in the Whole Farm Unit. |



| Exhibit Name: Premium Calculation  <br> Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2023 <br> Record Name: Acreage Version: Approved <br> Record Code: P11 Release Date: $7 / 1 / 2022$ |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
| Commodity Code 0011 Wheat <br> 0015 Canola <br> 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  |  |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
| Calculations | $\begin{aligned} & \text { Field } \\ & \text { Name } \end{aligned}$ | $\begin{aligned} & \text { Record } \\ & \text { Number } \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Field } \\ & \text { Number } \end{aligned}$ | $\begin{aligned} & \text { Field } \\ & \text { Format } \end{aligned}$ | $\begin{gathered} \text { Field } \\ \text { Rounding } \\ \hline \end{gathered}$ | Rules |
| When Unit Structure Code DOES NOT EQUAL Whole Farm Unit, "WU": $\text { Premium Rate }=\begin{aligned} & \text { MIN(.999, Base Premium Rate * Unit Structure Discount } \\ & \text { Factor * Multiplicative Optional Rate Adjustment Factor }+ \\ & \text { Additive Optional Rate Factor }+ \text { Capped Revenue Add On } \\ & \text { Factor) } \end{aligned}$ | Premium Rate | Internal |  | 9999999999.9999999 | Round to 8 decimals. | Set Capped Revenue Add On Factor as follows: <br> If Insurance Plan Code equals 01, Capped Revenue Add On Factor will equal zero. If Unit Structure Code does not equal Whole Farm (WU), set Capped Revenue Add On Factor as follows: <br> If Section 6 is applicable, Capped Revenue Add On Factor will equal Capped Revenue Protection Add On Rate when Insurance Plan Code equals 02 or Capped Revenue Protection with Harvest Price Exclusion Add On Rate when Insurance Plan Code equals 03. <br> If Section 6 is not applicable, Capped Revenue Add On Factor will equal Preliminary Revenue Protection Add On Rate when Insurance Plan Code equals 02 or Preliminary Revenue Protection with Harvest Price Exclusion Add On Rate when Insurance Plan Code equals 03. |





| Exhibit Name: Premium Calculation <br> Exhibit Number: P11-1, Plan 01, 02, 03 <br> Record Name: Acreage <br> Record Code: P11 |  | Reinsurance Year: 2023 <br> Version: Approved <br> Release Date: 7/1/2022 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
| Commodity Code 0011 Wheat <br> 0015 Canola <br> 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |  |
| Calculations | $\begin{aligned} & \text { Field } \\ & \text { Name } \end{aligned}$ | Record Field <br> Number <br> Number |  | Field <br> Format | $\begin{gathered} \text { Field } \\ \text { Rounding } \\ \hline \end{gathered}$ | Rules |
| Section 12: Total Premium Amount, Subsidy Amount, and Producer Premium Amount |  |  |  |  |  |  |
| $\begin{aligned} & \text { Preliminary Total } \\ & \text { Premium } \end{aligned}=\begin{aligned} & \text { Premium Liability Amount * Premium Rate * Experience } \\ & \text { Factor * Premium Rate Surcharge Percent } \end{aligned}$ | Preliminary Total Premium | Internal |  | 9999999999 | Round to whole number. |  |
|  | Experience Factor | P11 | 47 | 9.999 | None | Experience Factor is only applicable for Insurance Plan Code Yield Protection, "01". |
|  | Premium Rate Surcharge Percent |  |  |  |  | Does not apply when option "YC" is elected. Set to 1.00 . |
| unt $=$ Preliminary Total Premium * Multiple Commodity | Total Premium Amount | P11 | 95 | 9999999999 | Round to whole number. |  |
| Total Premium Amount ${ }^{\text {Adjustment Factor }}$ | Multiple Commodity Adjustment Factor | ICE |  | 9999.999 | None | Edit with ICE Multiple Cropping, "D00063". |
| Subsidy Amount = Total Premium Amount * 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 18 for subsidy calculations. |
|  | Subsidy Percent | ADM |  | 9.999 | None | Edit with ADM Subsidy Percent, "A00070". |
| Producer Premium $\qquad$ | Producer Premium Amount | P11 | 94 | 9999999999 | Round to whole number. |  |
| APH Yield Trend (Trend Adjustment Option 'TA'), Yield Cup (Option 'YC'), Quality Loss (Option 'QL'), and Yield Exclusion (Option 'YE') |  |  |  |  |  | Trend Adjustment Option (TA), Yield Cup Option (YC), Quality Loss Option (QL), and Yield Exclusion Option (YE) ONLY available in select counties for selected crops. See "white papers" for examples. |
| Section 13: Effective Coverage Level Calculation |  |  |  |  |  |  |
| When Commodity Code equals Dry Beans "0047" and Type Code equals Contract "62", or | r Commodity Code equals Dry | eas "0067" | and Type | Code equals Spring Co | "98": |  |
|  | Effective Coverage Level Percent | Internal |  | 99.9999 | Round to 2 decimals. |  |
|  | Coverage Level Percent | P14 | 34 | 9.9999 | None |  |
| $\begin{aligned} & \text { Effective Coverage Level }=\begin{array}{l} \text { Coverage Level Percent * Round(Approved Yield * Contract } \\ \text { Percent } \end{array}=\text { Price,0) / Adjusted Yield } \end{aligned}$ | Approved Yield | P11 | 42 | 99999999.99 | None | For APH Trend, Yield Cup, Quality Loss, and Yield Exclusion, the Approved Yield will be the greater of the calculated Approved Yield and the Adjusted Yield. |
|  | Contract Price | P11 | 46 | 9999.9999 | None |  |
|  | Adjusted Yield | P15 | 44 | 99999999.99 | None |  |




| Exhibit Name: Premium Calculation <br> Exhibit Number: P11-1, Plan 01, 02, 03 <br> Record Name: Acreage <br> Record Code: P11 |  |  |  |  | Reinsurance Year: 2023 <br> Version: Approved <br> Release Date: 7/1/2022 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  |  | 03 Revenue Prote | with Harvest Price Exclusion |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
| Calculations |  | $\begin{aligned} & \text { Field } \\ & \text { Name } \end{aligned}$ | Record Number | Field | Field Format | $\begin{gathered} \frac{\text { Field }}{} \\ \text { Rounding } \\ \hline \end{gathered}$ | Rules |
| Rate Differential Factor (continued) | (1+ (ROUND (MIN ( ( ( MAX (0.85,Effective Coverage Level Percent) -0.85 ) $\left.(0.15), 1)^{3}, 7\right)$ ) 0.05 ) * (Round(Base Rate Differential Factor + (Upper Bound Rate Differential Factor - Lower Bound Rate Differential Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 9)) | Lower Bound Rate Differential Factor | ADM |  | 9.999999999 | None | Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". <br> If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level Percent. If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be based on the lower ADM Coverage Level. <br> If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level. |
|  |  | Effective Coverage Level Percent | Internal |  | 99.9999 | None |  |
|  |  | Floored Effective Coverage Level Percent | Internal |  | 99.9999 | None | Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be the Effective Coverage Level Percent. If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level. |



| Exhibit Name: Premium Calculation  <br> Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2023 <br> Record Name: Acreage Version: Approved <br> Record Code: P11 Release Date: $7 / 1 / 2022$ |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field Name | Record Number | $\begin{aligned} & \text { Field } \\ & \text { Number } \end{aligned}$ | Field Format | $\underset{\text { Rounding }}{\text { Field }}$ | Rules |
| Round(Base Prior Year Rate Differential Factor + (Upper <br> Prior Year Rate Bound Prior Year Rate Differential Factor - Lower Bound Differential Factor $=$ Prior Year Rate Differential Factor) * (Effective Coverage (contintued) Level Percent - Floored Effective Coverage Level Percent) * $20,9)$ |  | Lower Bound Prior Year Rate Differential Factor | ADM |  | 9.999999999 | None | Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". <br> If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level. |
|  |  | Effective Coverage Level Percent | Internal |  | 99.9999 | None |  |
|  |  | Floored Effective Coverage Level Percent | Internal |  | 99.9999 | None | Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be the Effective Coverage Level Percent. If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level. |


| Exhibit Name: Premium Calculation  <br> Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2023 <br> Record Name: Acreage Version: Approved <br> Record Code: P11 Release Date: $7 / 1 / 2022$ |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
| Commodity Code 0011 Wheat <br> 0015 Canola <br> 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
| Calculations | Field <br> Name | $\begin{aligned} & \text { Record } \\ & \text { Number } \end{aligned}$ | $\begin{aligned} & \text { Field } \\ & \text { Number } \end{aligned}$ | $\begin{aligned} & \text { Field } \\ & \text { Format } \end{aligned}$ | Field Rounding | Rules |
| When Trend Adjustment Option "TA" is elected alone (excludes "YC" and "YE") |  |  |  |  |  |  |
| $\text { Rate Differential Factor = } \begin{aligned} & \text { Round(Base Rate Differential Factor }+ \text { (Upper Bound Rate } \\ & \text { Differential Factor }- \text { Lower Bound Rate Differential Factor) } \\ & \text { (Effective Coverage Level Percent }- \text { Floored Effective } \\ & \text { Coverage Level Percent) } * 20,9) \end{aligned}$ | Rate Differential Factor | Internal |  | 9.999999999 | Round to 9 decimal places |  |
|  | Base Rate Differential Factor | ADM |  | 9.999999999 | None | Base Rate Differential Factor is equal to Rate Differential for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040". |
|  | Upper Bound Rate Differential Factor | ADM |  | 9.999999999 | None | Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". <br> If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level. |
|  | Lower Bound Rate Differential Factor | ADM |  | 9.999999999 | None | Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". <br> If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level Percent. If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be based on the lower ADM Coverage Level. <br> If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level. |
|  | Effective Coverage Level Percent | $\begin{aligned} & \text { Internal } \\ & \text { of } 78 \end{aligned}$ |  | 99.9999 | None |  |


| Exhibit Name: Premium Calculation  <br> Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2023 <br> Record Name: Acreage Version: Approved <br> Record Code: P11 Release Date: $7 / 1 / 2022$ |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field Name | Record Number | Field | Field Format | $\begin{gathered} \text { Field } \\ \text { Rounding } \end{gathered}$ | Rules |
| Rate Differential Factor = | Round(Base Rate Differential Factor + (Upper Bound Rate Differential Factor-Lower Bound Rate Differential Factor) * <br> (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 9) | Floored Effective Coverage Level Percent | Internal |  | 99.9999 | None | Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be the Effective Coverage Level Percent. If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level. |


| Exhibit Name: Premium Calculation  <br> Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2023 <br> Record Name: Acreage Version: Approved <br> Record Code: P11 Release Date: $7 / 1 / 2022$ |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field Name | Record Number | Field Number | Field Format | Field Rounding | Rules |
| Prior Year Rate  <br> Differential FactorRound(Base Prior Year Rate Differential Factor + (Upper <br> Bound Prior Year Rate Differential Factor - Lower Bound  <br> $=$Prior Year Rate Differential Factor) * (Effective Coverage <br> Level Percent - Floored Effective Coverage Level Percent) *  <br>  20, 9) |  | Prior Year Rate Differential Factor | Internal |  | 9.999999999 | Round to 9 decimal places. |  |
|  |  | Base Prior Year Rate Differential Factor | ADM |  | 9.999999999 | None | Base Prior Year Rate Differential Factor is equal to Prior Year Rate Differential for Minimum of 1 Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040". |
|  |  | Upper Bound Prior Year Rate Differential Factor | ADM |  | 9.999999999 | None | Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". <br> If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level. |


| Exhibit Name: Premium Calculation  <br> Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2023 <br> Record Name: Acreage Version: Approved <br> Record Code: P11 Release Date: $7 / 1 / 2022$ |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field Name | Record Number | $\begin{aligned} & \text { Field } \\ & \text { Number } \end{aligned}$ | Field Format | $\begin{aligned} & \text { Field } \\ & \text { Rounding } \end{aligned}$ | Rules |
| Round(Base Prior Year Rate Differential Factor + (Upper <br> Prior Year Rate Bound Prior Year Rate Differential Factor - Lower Bound Differential Factor = Prior Year Rate Differential Factor) * (Effective Coverage (contintued) Level Percent - Floored Effective Coverage Level Percent) * $20,9)$ |  | Lower Bound Prior Year Rate Differential Factor | ADM |  | 9.999999999 | None | Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". <br> If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level. |
|  |  | Effective Coverage Level Percent | Internal |  | 99.9999 | None |  |
|  |  | Floored Effective Coverage Level Percent | Internal |  | 99.9999 | None | Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be the Effective Coverage Level Percent. If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level. |





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| Exhibit Name: Premium Calculation  <br> Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2023 <br> Record Name: Acreage Version: Approved <br> Record Code: P11 Release Date: $7 / 1 / 2022$ |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field Name | Record Number | $\stackrel{\text { Field }}{\text { Number }}$ | Field Format | Field Rounding | Rules |
| Round(Base Enterprise Prior Year Unit Residual Factor + <br> Prior Year Enterprise Unit (Upper Bound Prior Year Enterprise Unit Residual Factor = Lower Bound Prior Year Enterprise Unit Residual Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 3) |  | Prior Year Enterprise Unit Residual Factor | Internal |  | 999.999 | Round to 3 decimal places. | The cap value for the Residual Factors is the MAX(Residual Factor) from all coverage levels within the chosen unit structure |
|  |  | Base Enterprise Prior Year Unit Residual Factor | ADM |  | 999.999 | None | Base Enterprise Prior Year Unit Residual Factor is equal to Enterprise Prior Year Unit Residual for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040". |
|  |  | Upper Bound Prior Year Enterprise Unit Residual Factor | ADM |  | 999.999 | None | Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". <br> If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level. |


| Exhibit Name: Premium Calculation  <br> Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2023 <br> Record Name: Acreage Version: Approved <br> Record Code: P11 Release Date: $7 / 1 / 2022$ |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field Name | Record Number | Field Number | Field Format | $\begin{gathered} \text { Field } \\ \text { Rounding } \end{gathered}$ | Rules |
| Round(Base Enterprise Prior Year Unit Residual Factor + <br> Prior Year Enterprise Unit (Upper Bound Prior Year Enterprise Unit Residual Factor - <br> Residual Factor = Lower Bound Prior Year Enterprise Unit Residual Factor) * <br> (continued) (Effective Coverage Level Percent - Floored Effective <br> Coverage Level Percent) * 20, 3) |  | Lower Bound Prior Year Enterprise Unit Residual Factor | ADM |  | 999.999 | None | Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". <br> If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level. |
|  |  | Effective Coverage Level Percent | Internal |  | 99.9999 | None |  |
|  |  | Floored Effective Coverage Level Percent | Internal |  | 99.9999 | None | Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. <br> If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level. |



| Exhibit Name: Premium Calculation  <br> Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2023 <br> Record Name: Acreage Version: Approved <br> Record Code: P11 Release Date: $7 / 1 / 2022$ |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field Name | Record Number | Field Number | Field Format | $\frac{\text { Field }}{\text { Rounding }}$ | Rules |
| Round(Base Whole Farm Unit Residual Factor + (Upper <br> Whole Farm Unit Residual Bound Whole Farm Unit Residual Factor - Lower Bound <br> Factor $=$ Whole Farm Unit Residual Factor) * (Effective Coverage <br> (continued) Level Percent - Floored Effective Coverage Level Percent) * <br> 20,3 ) |  | Lower Bound Whole Farm Unit Residual Factor | ADM |  | 999.999 | None | Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". <br> If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level. |
|  |  | Effective Coverage Level Percent | Internal |  | 99.9999 | None |  |
|  |  | Floored Effective Coverage Level Percent | Internal |  | 99.9999 | None | Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be the Effective Coverage Level Percent. If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level. |





| Exhibit Name: Premium Calculation <br> Exhibit Number: P11-1, Plan 01, 02, 03 <br> Record Name: Acreage <br> Record Code: P11 |  |  |  |  | Reinsurance Year: 2023 <br> Version: Approved <br> Release Date: 7/1/2022 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  |  | 03 Revenue Protectio | with Harvest Price Exclusion |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field Name | Record Number | Field Number | Field Format | Field Rounding | Rules |
| $\text { Unit Structure Discount }=\begin{aligned} & \text { Round(Base Coverage Level Percent Optional Unit Discount } \\ & \text { Factor }+ \text { (Upper Bound Coverage Level Percent Optional } \\ & \text { Factor } \end{aligned}=\begin{aligned} & \text { Unit Discount Factor }- \text { Lower Bound Coverage Level Percent } \\ & \text { Optional Unit Discount Factor) * } \text { (Effective Coverage Level } \end{aligned}$ |  | Unit Structure Discount Factor | Internal |  | 9.999999999 | Round to 4 decimal places. | Capped at 1.0 |
|  |  | Base Coverage Level Percent Optional Unit Discount Factor | ADM |  | 9.999999999 | None | Base Coverage Level Percent Optional Unit Discount Factor is equal to Percent Optional Discount for Minimum of 1) Maximum available Coverage Level or; 2 ) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040". |
|  |  | Upper Bound Coverage Level <br> Percent Optional Unit <br> Discount Factor | ADM |  | 9.999999999 | None | Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". <br> If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level. |
|  |  | Lower Bound Coverage Level <br> Percent Optional Unit <br> Discount Factor | ADM |  | 9.999999999 | None | Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". <br> If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level. |
|  |  | Effective Coverage Level Percent | Internal |  | 99.9999 | None |  |





| Exhibit Name: Premium Calculation <br> Exhibit Number: P11-1, Plan 01, 02, 03 <br> Record Name: Acreage <br> Record Code: P11 |  |  |  |  | Reinsurance Year: 2023 <br> Version: Approved <br> Release Date: 7/1/2022 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |  |
|  | Calculations | Field <br> Name | Record <br> Number | Field <br> Number | Field <br> Format | Field <br> Rounding | Rules |
| When Unit Structure Code is equal to Enterprise Unit, 'EU', use the following calculation for Unit Structure Discount Factor: |  |  |  |  |  |  |  |
| Unit Structure Discount Facto |  | Unit Structure Discount Factor | Internal |  | 9.999999999 | Round to 4 decimal places. | Capped at 1.0 |
|  |  | Base Coverage Level Percent Enterprise Unit Discount Factor | ADM |  | 9.999999999 | None | Base Coverage Level Percent Enterprise Unit Discount Factor is equal to Enterprise Unit Discount Factor for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040". |
|  |  | Upper Bound Coverage Level <br> Percent Enterprise Unit Discount Factor | ADM |  | 9.999999999 | None | Based on the 'upper bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". <br> If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level. |
|  |  | Lower Bound Coverage Level Percent Enterprise Unit Discount Factor | ADM |  |  | None | Based on the 'lower bound' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". <br> If the Effective Coverage Level equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the second highest ADM Coverage Level. |
|  |  | Effective Coverage Level <br> Percent | Internal of 78 |  | 99.9999 | None |  |


| Exhibit Name: Premium Calculation  <br> Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2023 <br> Record Name: Acreage Version: Approved <br> Record Code: P11 Release Date: $7 / 1 / 2022$ |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | $\begin{aligned} & \text { Field } \\ & \text { Name } \end{aligned}$ | Record Number | $\begin{array}{c\|} \text { Field } \\ \text { Number } \\ \hline \end{array}$ | Field Format | $\begin{gathered} \frac{\text { Field }}{\text { Rounding }} \end{gathered}$ | Rules |
| Unit Structure Discount Factor $=$ (continued) | Round(Base Coverage Level Percent Enterprise Unit Discount Factor + (Upper Bound Coverage Level Percent Enterprise Unit Discount Factor - Lower Bound Coverage Level Percent Enterprise Unit Discount Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 4) | Floored Effective Coverage Level Percent | Internal |  | 99.9999 | None | Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040". If the Effective Coverage Level equals an existing ADM Coverage Level then this will be the Effective Coverage Level. If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level. If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level. |


| Exhibit Name: Premium Calculation <br> Exhibit Number: P11-1, Plan 01, 02, 03 <br> Record Name: Acreage <br> Record Code: P11 |  | Reinsurance Year: 2023 <br> Version: Approved <br> Release Date: 7/1/2022 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
| Commodity Code 0011 Wheat <br> 0015 Canola <br> 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
| Calculations | $\begin{aligned} & \text { Field } \\ & \text { Name } \end{aligned}$ | Record Number | $\begin{aligned} & \text { Field } \\ & \text { Number } \end{aligned}$ | $\begin{aligned} & \text { Field } \\ & \text { Format } \end{aligned}$ | $\begin{gathered} \text { Field } \\ \text { Rounding } \\ \hline \end{gathered}$ | Rules |
| Downed Rice Endorsement (DRE) Option 'DC' |  |  |  |  |  | CAT does not apply to Downed Rice (DRE). Only Unit Structure Codes 'BU and OU' apply regardless of the base Rice selection. Price Election Percent for base Rice will apply to DRE. Subsidy Level will be $38 \%$ for DRE regardless of the base Rice Unit Structure or Coverage Level. Insured Share can be different for DRE than base Rice. Insured Share will be 100\%. DRE coverage is not available for high-risk CAT acreage if excluded from additional coverage for Base Rice. |
| Section 16: Liability Calculation |  |  |  |  |  |  |
| $\text { Premium Liability Amount }=\begin{aligned} & \text { Dollar Amount of Insurance * Reported Acreage * Insured } \\ & \text { Share Percent } * \text { Price Election Percent } \end{aligned}$ | Premium Liability Amount | Internal |  | 9999999999 | Round to whole number. |  |
|  | Dollar Amount of Insurance | ADM |  | 99999 | None | Edit with ADM Price, "A00810", Fixed Coverage Amount with insurance option = 'DC'. |
|  | Reported Acreage | P11 | 48 | 99999999.99 | None |  |
|  | Insured Share Percent | P11 | 43 | 9.9999 | None | DRE insured share will always be $100 \%$ without regards to base Rice. |
|  | Price Election Percent | ICE |  | 9.9999 | None | From base Rice P14 record. |
| $\text { Liability Amount }=\begin{aligned} & \text { Dollar Amount of Insurance } * \text { Reported Acreage * Insured } \\ & \text { Share Percent * Price Election Percent } \end{aligned}$ | Liability Amount | P11 | 94 | 9999999999 | Round to whole number. |  |
|  | Dollar Amount of Insurance | ADM |  | 99999 | None | Edit with ADM Price, "A00810", Fixed Coverage Amount with insurance option = 'DC'. |
|  | Reported Acreage | P11 | 48 | 999999.99 | None |  |
|  | Insured Share Percent | P11 | 43 | 9.9999 | None | DRE insured share will always be $100 \%$ without regards to base Rice. |
|  | Price Election Percent | ICE |  | 9.9999 | None | From base Rice P14 record. |



| Exhibit Name: Premium Calculation  <br> Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2023 <br> Record Name: Acreage Version: Approved <br> Record Code: P11 Release Date: $7 / 1 / 2022$ |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  |  | 03 Revenue Protection | with Harvest Price Exclusion |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
| Calculations |  | Field Name | $\begin{array}{\|l\|} \hline \text { Record } \\ \text { Number } \\ \hline \end{array}$ | Field Number | Field Format | Field Rounding | Rules |
| Section 19: Yield Cup, Yield Exclusion, Quality Loss, and Trend APH Current Year Base Premium Rate Calculations (only use when the Effective Coverage Level for the record exceeds the highest coverage level for the offer in the ADM) |  |  |  |  |  |  |  |
| Unadjusted Liability $=$ Round((Coverage Level Percent/Effective Coverage Level Amount ${ }^{\text {Percent }), 10)}$ * Premium Liability Amount |  | Unadjusted Liability Amount | Internal |  | 9999999999 | Round to whole number |  |
|  |  | Coverage Level Percent | P14 | 34 | 9.9999 | None |  |
|  |  | Effective Coverage Level Percent | Internal |  | 99.9999 |  |  |
|  |  | Premium Liability Amount | Internal |  | 9999999999 | Round to whole number |  |
| Max Coverage Level Adjustment Factor | When Unit Structure Code is equal to Optional Unit, "OU", "UA" or "UD: <br> ROUND(1.00/ Current Year Base Rate,8) ROUND(Unadjusted Liability Amount/(Current Year Base Rate * Premium Liability Amount),8) + ROUND(ROUND(Base Rate Differential Factor * Base Unit Residual Factor * Base Optional Unit Structure Discount Factor * Unadjusted Liability Amount,8)/Premium Liability Amount,8) | Max Coverage Level Adjustment Factor | Internal |  | 999999999.99999999 | Round to 8 decimals. |  |
|  |  | Unadjusted Liability Amount | Internal |  | 9999999999 | Round to whole number |  |
|  |  | Current Year Base Rate | Internal |  | 9999999999.99999 | Round to 8 decimals. |  |
|  |  | Premium Liability Amount | Internal |  | 9999999999 | Round to whole number |  |
|  |  | Base Rate Differential Factor | ADM |  | 9.999999999 | None |  |
|  |  | Base Unit Residual Factor | ADM |  | 999.999 | None |  |
|  |  | Base Optional Unit Structure Discount Factor | ADM |  | 9.999999999 | None | Base Optional Unit Structure Discount Factor is equal to Optional Unit Discount Factor for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040". See Section 19 for more info. |
|  | When Unit Structure code is Basic Unit, "BU": <br> ROUND(1.00/ Current Year Base Rate,8) ROUND(Unadjusted Liability Amount/(Current Year Base Rate * Premium Liability Amount),8) + ROUND(ROUND(Base Rate Differential Factor * Base Unit Residual Factor * Base Basic Unit Structure Discount Factor * Unadjusted Liability Amount,8)/Premium Liability Amount,8) | Base Basic Unit Structure Discount Factor | ADM |  | 9.999999999 | None | Base Basic Unit Structure Discount Factor is equal to Basic Unit Discount Factor for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040". See Section 19 for more info. When the total planted acres for the unit is 0 (all acres are prevented planted) set to 1.00 . |


| Exhibit Name: Premium Calculation <br> Exhibit Number: P11-1, Plan 01, 02, 03 <br> Record Name: Acreage <br> Record Code: P11 |  |  |  |  | Reinsurance Year: 2023 <br> Version: Approved <br> Release Date: 7/1/2022 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  |  | 03 Revenue Prote | with Harvest Price Exclusion |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
| Calculations |  | Field Name | Record Number | Field | Field Format | $\begin{gathered} \text { Field } \\ \text { Rounding } \end{gathered}$ | Rules |
| Max Coverage Level Adjustment Factor (continued) | When Unit Structure code is Enterprise Unit, "EU": <br> ROUND(1.00/ Current Year Base Rate,8) ROUND(Unadjusted Liability Amount/( Current Year Base Rate * Premium Liability Amount),8) + ROUND(ROUND(Base Rate Differential Factor * Base Enterprise Unit Residual Factor * Base Enterprise Unit Structure Discount Factor * Unadjusted Liability Amount,8)/Premium Liability Amount,8) | Base Enterprise Unit Structure Discount Factor | ADM |  | 9.999999999 | None | Base Enterprise Unit Structure Discount Factor is equal to Enterprise Unit Discount Factor for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040". See Section 19 for more info. When the total planted acres for the unit is 0 (all acres are prevented planted) set to 1.00 . |
|  |  | Base Enterprise Unit Residual Factor | ADM |  | 999.999 | None | Base Enterprise Unit Residual Factor is equal to Enterprise Unit Residual for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040". |
|  | When Unit Structure code is Whole Farm Unit "WU": <br> ROUND(1.00/ Current Year Base Rate,8) ROUND(Unadjusted Liability Amount/( Current Year Base Rate * Premium Liability Amount), 8 ) + ROUND(ROUND(Base Rate Differential Factor * Base Whole Farm Unit Residual Factor * Unit Structure Discount Factor * Unadjusted Liability Amount,8)/Premium Liability Amount,8) | Unit Structure Discount Factor | Internal |  | 9.99999999 | None | Capped at 1.0 <br> See Section 19 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion). |
|  |  | Base Whole Farm Unit Residual Factor | ADM |  | 999.999 | None | Base Whole Farm Unit Residual Factor is equal to Whole Farm Unit Residual for Minimum of 1) Maximum available Coverage Level or; 2) available Coverage Level less than or equal to Effective Coverage Level. Edit with ADM Coverage Level Differential, "A01040". |


| Exhibit Name: Premium Calculation  <br> Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2023 <br> Record Name: Acreage Version: Approved <br> Record Code: P11 Release Date: $7 / 1 / 2022$ |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  |  | 03 Revenue Protection | with Harvest Price Exclusion |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
| Calculations |  | Field Name | Record Number | $\begin{aligned} & \text { Field } \\ & \text { Number } \end{aligned}$ | Field Format | Field Rounding | Rules |
| Marginal Rate Adjustment Factor | Max Coverage Level Adjustment Factor /(Rate Differential Factor * Unit Residual Factor * Unit Structure Discount Factor) | Marginal rate Adjustment Marginal Adjustment Rate Factor | Internal |  | 9.99999999 | Round to 8 decimals. |  |
|  |  | Max Coverage Level Adjustment Factor | Internal |  | 999999999.99999999 | Round to 8 decimals. |  |
|  |  | Rate Differential Factor | ADM |  | 9.999999999 | None | Edit with ADM Coverage Level Differential, "A01040". <br> See Section 17 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion). |
|  |  | Unit Residual Factor | ADM |  | 999.999 | None | Edit with ADM Coverage Level Differential, "A01040". <br> See Section 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion). |
|  |  | Unit Structure Discount Factor | Internal |  | 9.99999999 | None | Capped at 1.0 <br> See Section 19 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion). |
|  | When Unit Structure code is Enterprise Unit, "EU": <br> Max Coverage Level Adjustment Factor /(Rate Differential Factor * Enterprise Unit Residual Factor * Unit Structure Discount Factor) | Enterprise Unit Residual Factor | ADM |  | 9.999 | None | Edit with ADM Coverage Level Differential, "A01040". <br> See Section 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion) where Unit Structure Code equal to Enterprise Unit, 'EU' |
|  | When Unit Structure code is Whole Farm Unit, "WU": <br> Max Coverage Level Adjustment Factor /(Rate Differential Factor * Whole Farm Unit Residual Factor * Unit Structure Discount Factor) | Whole Farm Unit Residual Factor | ADM |  | 9.999 | None | Edit with ADM Coverage Level Differential, "A01040". <br> See Section 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), and "YE" (Yield Exclusion) where Unit Structure Code equal to Whole Farm Unit, 'WU'. |


| Exhibit Name: Premium Calculation <br> Exhibit Number: P11-1, Plan 01, 02, 03 <br> Record Name: Acreage <br> Record Code: P11 |  |  |  |  | Reinsurance Year: 2023 <br> Version: Approved <br> Release Date: 7/1/2022 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  |  | 03 Revenue Protection | with Harvest Price Exclusion |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field Name | Record Number | Field | Field Format | Field Rounding | Rules |
| Current Year Base Premium Rate | When Unit Structure Code is equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, "BU": <br> Round(Current Year Base Rate * Rate Differential Factor * Unit Residual Factor, 8) * MIN(Marginal Rate Adjustment Factor, 1.00) | Current Year Base Premium Rate | Internal |  | 9999999999.99999999 | Round to 8 decimals. |  |
|  |  | Rate Differential Factor | ADM |  | 9.999999999 | None | Edit with ADM Coverage Level Differential, "A01040". <br> See Section 17 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion). |
|  |  | Unit Residual Factor | ADM |  | 999.999 | None | Edit with ADM Coverage Level Differential, "A01040". <br> See Section 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion) where Unit Structure Code equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, 'BU'. |
|  |  | Marginal Rate Adjustment Factor | Internal |  | 999999999.99999999 | Round to 8 decimals. |  |
|  | When Unit Structure code is Enterprise Unit, "EU": <br> Round(Current Year Base Rate * Rate Differential Factor * Enterprise Unit Residual Factor, 8) * MIN(Marginal Rate Adjustment Factor, 1.00) | Enterprise Unit Residual Factor | ADM |  | 9.999 | None | Edit with ADM Coverage Level Differential, "A01040". <br> See Section 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion) where Unit Structure Code equal to Enterprise Unit, 'EU'. |
|  | When Unit Structure code is Whole Farm Unit, "WU": <br> Round(Current Year Base Rate * Rate Differential Factor * Whole Farm Unit Residual Factor, 8) * MIN(Marginal Rate Adjustment Factor, 1.00) | Whole Farm Unit Residual Factor | ADM |  | 9.999 | None | Edit with ADM Coverage Level Differential, "A01040". <br> See Section 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion) where Unit Structure Code equal to Whole Farm Unit, 'WU'. |


| Exhibit Name: Premium Calculation  <br> Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2023 <br> Record Name: Acreage Version: Approved <br> Record Code: P11 Release Date: $7 / 1 / 2022$ |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code 01 Yield Protection 02 Revenue Protection 03 Revenue Protection with Harvest Price Exclusion |  |  |  |  |  |  |  |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0075 Peanuts 0078 Sunflowers 0081 Soybeans 0091 Barley |
| Calculations |  | Field <br> Name | Record Number | Field <br> Number | Field <br> Format | Field <br> Rounding | Rules |
|  the ADM). |  |  |  |  |  |  |  |
| Current Year Base Premium Rate | When Unit Structure Code is equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, "BU": <br> Round(Current Year Base Rate * Rate Differential Factor * Unit Residual Factor, 8) * MIN(Marginal Rate Adjustment Factor, 1.00) | Current Year Base Premium Rate | Internal |  | 9999999999.99999999 | Round to 8 decimals. |  |
|  |  | Rate Differential Factor | ADM |  | 9.999999999 | None | Edit with ADM Coverage Level Differential, "A01040". <br> See Section 17 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion). |
|  |  | Unit Residual Factor | ADM |  | 999.999 | None | Edit with ADM Coverage Level Differential, "A01040". <br> See Section 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion) where Unit Structure Code equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, 'BU'. |
|  |  | Marginal Rate Adjustment Factor | Internal |  | 9999999999.99999999 | Round to 8 decimals. | Copy value over from the base lint line. |
|  | When Unit Structure Code is is Enterprise Unit, "EU": <br> Round(Current Year Base Rate * Rate Differential Factor * Enterprise Unit Residual Factor, 8) * MIN(Marginal Rate Adjustment Factor, 1.00) | Enterprise Unit Residual Factor | ADM |  | 9.999 | None | Edit with ADM Coverage Level Differential, "A01040". <br> See Section 18 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), and "YE" (Yield Exclusion) where Unit Structure Code equal to Enterprise Unit, 'EU'. |

