

| Exhibit Name: Premium Calculation  <br> Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2013 <br> Record Name: Acreage Version: Approved <br> Record Code: P11 Release Date: $12 / 18 / 2017$ |  |  |  |  |  |  |  |
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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 | 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 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 Guarantee Adjustment Type Code equals Late Planting, "L" OR Prevented Planting, "P": <br> Premium Guarantee Per Acre Amount * Guarantee Adjustment Factor <br> Guarantee Per Acre <br> Amount $=$ |  | 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 | 75 | 0.999 | None | Edit with the Guarantee Adjustment ICE, "D00068". |
|  |  |  |  |  |  | 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 for specialty type Corn, Soybeans or Barley; round to nearest one hundredth cent (\$9.9999). |  |




| Exhibit Name: Premium Calculation <br> Exhibit Number: P11-1, Plan 01, 02, 03 <br> Record Name: Acreage <br> Record Code: P11 |  | Reinsurance Year: 2013 <br> Version: Approved <br> Release Date: 12/18/2017 |  |  |  |  |
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| Insurance Plan Code 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
|   <br> Commodity Code 0011 Wheat <br> 0015 Canola <br> 0018 Rice | 0021 Cotton <br> 0041 Corn <br> 0043 Popcorn | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  |  | Field <br> Rounding | 0078 Sunflowers 0081 Soybeans 0091 Barley |
| Calculations | Field <br> Name | Record <br> Number | Field <br> Number | Field <br> Format |  | Rules |
| $\text { Total Guarantee Amount = } \begin{aligned} & \text { Guarantee Per Acre Amount * Price Election Amount * } \\ & \text { Reported Acreage } \end{aligned}$ | Total Guarantee Amount | P11 | 100 | 99999999.99 | Round to 2 decimals. |  |
|  | Price Election Amount | Internal |  | 9999.9999 | None |  |
|  | Reported Acreage | P11 | 52 | 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 |  |
|  | Insured Share Percent | P11 | 47 | 9.9999 | None |  |
| Liability Amount $=$ Total Guarantee Amount * Insured Share Percent | Liability Amount | P11 | 91 | 9999999999 | Round to whole number. |  |
|  | Insured Share Percent | P11 | 47 | 9.9999 | None |  |
| Section 2: Base Premium Rate Calculation |  |  |  |  |  |  |
| Current Year Yield Ratio = Rate Yield / Reference Amount | Current Year Yield Ratio | Internal |  | 9.9999 | 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 coverted rate yield from the P15 record with skip row (yield conversion factor) applied. |
|  | Reference Yield | ADM |  | 99999.99 | None | Edit with ADM Base Rate, "A01010". |
| Prior Year Yield Ratio $=$ Rate Yield / Prior Year Reference Amount | Prior Year Yield Ratio | Internal |  | 9.9999 | 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 coverted rate yield from the P15 record with skip row (yield conversion factor) applied. |
|  | Prior Year Reference Amount | ADM |  | 99999.99 | None | Edit with ADM Base Rate, "A01010". |
| $\begin{aligned} & \text { Current Year Rate }=\text { Current Year Yield Ratio ^ Exponent Value } \\ & \text { Multiplier } \end{aligned}$ | Current Year Rate Multiplier | Internal |  | 9999.99999999 | Round to 8 decimals. |  |
|  | Exponent Value | ADM |  | S99.999 | None | Edit with ADM Base Rate, "A01010". |
| Prior Year Rate Multiplier = Prior Year Yield Ratio ^ Prior Year Exponent Value | Prior Year Rate Multiplier | Internal |  | 9999.99999999 | Round to 8 decimals. |  |
|  | Prior Year Exponent Value | ADM |  | S99.999 | None | Edit with ADM Base Rate, "A01010". |



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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 |  |  | 47 Dry Beans <br> 51 Grain Sorghum <br> 67 Dry Peas |  | 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field <br> Name | Record <br> Number | Field Number | Field <br> Format | Field <br> 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) | 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). |
|  |  | Unit Residual Factor | ADM |  | 999.999 | None | Edit with ADM Coverage Level Differential, "A01040". <br> See Section 18 for Option Code "TA" (Trend Adjustment) and Unit Structure Code equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, 'BU'. |
|  | When Unit Structure code is Enterprise Unit, "EU": <br> Round(Current Year Base Rate * Rate Differential Factor * <br> Enterprise Unit Residual Factor, 8) | 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) and 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) | 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) and Unit Structure Code equal to Whole Farm Unit, 'WU'. |


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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 | $\begin{aligned} & 0021 \text { Cotton } \\ & 0041 \text { Corn } \\ & 0043 \text { Popcorn } \end{aligned}$ | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  |  | Field <br> Rounding | 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field <br> Name | Record <br> Number | Field <br> Number | Field <br> Format |  | Rules |
| 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 |  | 9999999999.99999999 | Round to 8 decimals. |  |
|  |  | Prior Year Rate Differential Factor | ADM |  | 9.999999999 | None | Edit with ADM Coverage Level Differential, "A01040". <br> See Section 17 for Option code "TA" (Trend Adjustment). |
|  |  | 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) and 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 <br> 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) and 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) and 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 | 94 | 9999999999.99999999 | 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 |  |  |  | 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field Name | Record Number | Field Number | Field <br> Format | Field <br> Rounding | Rules |
| When Commodity Code is EQUAL to Wheat, "0011", Cotton, "0021", Corn, "0041", or Soybeans, "0081". |  |  |  |  |  |  |  |
| Revenue Lookup Adjustment Factor | When the Unit Structure Code is Optional Unit, "OU", $=$ "UA", or "UD": <br> Unti 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 |  | 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field <br> Name | Record <br> Number | Field Number | Field <br> Format | Field <br> Rounding | Rules |
|  | When the Unit Structure Code is Optional Unit, "OU", "UA", or "UD": <br> Optional Unit Discount Factor | Unit Structure Discount Factor | Internal |  | 9.99999999 | None | Capped at 1.0 See Section 19 for Option Code "TA" (Trend Adjustment). |
|  |  | Optional Unit Discount Factor | ADM |  | 9.999 | None | Edit with ADM Unit Discount, "A01090". See Section 19 for Option Code "TA" (Trend Adjustment). |
|  | When Unit Structure Code is Basic Unit, "BU": <br> Basic Unit Discount Factor | Basic Unit Discount Factor | ADM |  | 9.999 | None | Edit with ADM Unit Discount, "A01090" by 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 Coverage Level. <br> See Section 19 for Option Code "TA" (Trend Adjustment). |




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| Insurance Plan Code 01 Yield Protection 02 Revenue Protection 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 |  |  |  | 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field <br> Name | Record <br> Number | Field Number | Field <br> Format | Field <br> Rounding | Rules |
| Section 5: Revenue Coverage Add on Rates (Applicable only for Plans 02 and 03) <br> Lookup Rate = Revenue Lookup Rate * Revenue Lookup Adjustment Factor |  |  |  |  |  |  | It is recommended that other than hard coding for specific type and practice codes which will eventually change when the new key structure is adopted, that a condition be put in place that will set the add on rate to 0 when the Price Volatility is 0 . This condition MUST occur at some point in order to circumvent the Calculation of Preliminary Revenue Protection Add on Rate and Preliminary Revenue Protection with Harvest Price Exclusion Add on Rate, which contains a constraint that the add on rate be at least $1 \%$ greater than the base Premium Rate. |
|  |  | Lookup Rate | Internal |  | 9999999999.9999 | Round to 4 decimals. |  |
|  |  | Revenue Lookup Rate | Internal |  | 9999999999.9999 | Round to 4 decimals. | From Section 2. |
|  |  | Revenue Lookup Adjustment Factor | Internal |  | 9.99999999 | None | From Section 3. |
| Adjusted Mean Quantity = Approved Yield * Mean Quantity / 100 |  | Adjusted Mean Quantity (AdjMean) | Internal |  | 999999.99999999 | Round to 8 decimals. |  |
|  |  | Approved Yield (AY) | P11 | 46 | 99999999.99 | None | For APH Trend, the Approved Yield will be the greater of the Trended yield and the adjusted yield (the approved yield that would have been if TA wasn't selected without the effects to cups or floors) <br> For skip row commodities, the approved yield is the coverted approved yield from the P15 record with skip row (yield conversion factor) applied. |
|  |  | Mean Quantity | ADM |  | 999.999999999 | None | Edit with ADM Combo Revenue Factor, "A01030". <br> Search the Combo Revenue Factor, "A01030" for the Mean Quantity using Lookup Rate. |





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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 |  | 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field <br> Name | Record <br> Number | Field <br> 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 | 46 | 99999999.99 | None | For APH Trend, the Approved Yield will be the greater of the Trended yield and the adjusted yield (the approved yield that would have been if TA wasn't selected without the effects to cups or floors) <br> For skip row commodities, the approved yield is the coverted approved yield from the P15 record with skip row (yield conversion factor) applied. |
|  |  | Coverage Level Percent (covlvl) | P14 | 34 | 9.9999 | None | For Option Code "TA" (Trend Adjustment) this will be Effective Coverage Level Percent. See Section 16 for Option Code "TA" (Trend Adjustment). |
|  |  | 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 |  |  |
|  0011 Wheat <br> Commodity Code 0015 Canola <br> 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  |  |  | 0078 Sunflowers 0081 Soybeans 0091 Barley |
| Calculations | Field <br> Name | Record Number | Field Number | Field <br> Format | Field <br> Rounding | Rules |
| $\begin{gathered}\text { Simulated Yield Protection } \\ \text { Base Premium Rate }\end{gathered}=\begin{aligned} & (\text { Simulated Yield Protection Losses Quantity / 500) / } \\ & \text { (Approved Yield }{ }^{*} \text { Coverage Level Percent) }\end{aligned}$ | Simulated Yield Protection Base Premium Rate | Internal |  | 999999.99999999 | Round to 8 decimals. | For Option Code "TA" (Trend Adjustment) 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) Effective Coverage Level Percent will replace Coverage Level Percent. |
| ```Simulated Revenue Protection with Harvest (Simulated Revenue Protection with harvest Price Exclusion Price Exclusion Base = Losses Quantity / 500) / (Approved Yield * Coverage level Premium Rate Percent * (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) 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 Revenue <br> Protection with Harvest <br> Price Exclusion Add on <br> Rate$=$MAX(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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| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  |  | 0078 Sunflowers 0081 Soybeans 0091 Barley |  |
| Calculations |  | Field <br> Name | Record <br> Number | Field Number | Field <br> Format | Field <br> Rounding | Rules |
|  |  | 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". |
| $\begin{gathered}\text { Prior Capping Rate } \\ \text { Multiplier }\end{gathered}=$ 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 BaseRate | 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". See Section 21 for Written Agreement Sub County Rate information. |
|  | ```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". See Section 21 for Written Agreement Sub County Rate information. |
|  | ```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". |


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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 |  | 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field <br> Name | Record <br> Number | Field <br> Number | Field <br> Format | Field Rounding | Rules |
|  | 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 Bas Rat | . 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. |  |


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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 |  | 0078 Sunflowers <br> 0081 Soybeans <br> 0091 Barley |
|  | Calculations | Field <br> Name | Record <br> Number | Field Number | Field <br> Format | Field <br> Rounding | Rules |
| Historical Revenue Protection Base Premium Rate | When Unit Structure Code is equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, "BU": <br> [beta0 Factor + <br> Beta 1 Factor * Historical Basic Unit Base Rate + Beta 2 <br> Factor * Historical Basic Unit Base Rate ^2 + Beta 3 Factor * <br> Coverage Level Percent + <br> Beta 4 Factor * Coverage Level Percent ^2 + <br> Beta 5 Factor * Approved Yield / Capping Reference Yield + <br> Beta 6 Factor * (Approved Yield / Capping Reference <br> Yield)^2 + <br> Beta 7 Factor* Price Volatility Factor + <br> Beta 8 Factor * Price Volatility Factor^2 + <br> Beta 9 Factor * Historical Basic Unit Base Rate * Coverage Level Percent + <br> Beta 10 Factor * Historical Basic Unit Base Rate * Approved Yield / Capping Reference Yield + <br> Beta 11 Factor * Historical Basic Unit Base Rate * Price <br> Volatility Factor + <br> Beta 12 Factor * Coverage Level Percent * Approved Yield / <br> Capping Reference Yield + <br> Beta 13 Factor * Coverage Level Percent * Price Volatility <br> Factor + <br> Beta 14 Factor * (Approved Yield / Capping Reference <br> Yield) * Price Volatility Factor ] * Unit Residual Factor X 1.1 | Coverage Level Percent | P14 | 34 | 9.9999 | None | For Option Code "TA" (Trend Adjustment) this will be Effective Coverage Level Percent. See Section 16 for Option Code "TA" (Trend Adjustment). |
|  |  | Historical Revenue Protection Base Premium Rate | Internal |  | 9999999999.99999999 | Round each intermittent Beta * calculation to 8 decimals as it has been done historically. |  |
|  |  | Beta 0 Factor - Beta 14 Factor | ADM |  | S99.999999999 | None | Edit with ADM Historical Revenue Capping, "A01110". |
|  |  | Price Volatility Factor | ADM |  | 9.99 | None | Edit with ADM Price, "A00810". |
|  |  | Unit Residual Factor | ADM |  | 999.999 | None | Edit with ADM Coverage Level Differential, "A01040". <br> See Section 18 for Option Code "TA" (Trend Adjustment). |
|  | When Unit Structure Code is equal to Enterprise Unit, "EU": <br> Replace 'Unit Residual Factor' with 'Enterprise Unit Residual Factor' | Enterprise Unit Residual Factor | ADM |  | 999.999 | None | Edit with ADM Coverage Level Differential, "A01040". <br> See Section 18 for Option Code "TA" (Trend Adjustment). |


| Exhibit Name: Premium Calculation <br> Exhibit Number: P11-1, Plan 01, 02, 03 <br> Record Name: Acreage <br> Record Code: P11 |  |  |  |  | Reinsurance Year: 2013 <br> Version: Approved <br> Release Date: 12/18/2017 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  |  | 03 Revenue Protect | with Harvest Price Exclusion |
| Commodity Code | 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 47 Dry Beans <br> 51 Grain Sorghum <br> 67 Dry Peas |  | 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field <br> Name | Record <br> Number | Field <br> Number | Field <br> Format | Field <br> Rounding | Rules |
| Historical Revenue Protection with Harvest Price Exclusion Base Premium Rate | When Unit Structure Code is equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, "BU": <br> [beta0 Factor + <br> Beta 1 Factor * Historical Basic Unit Base Rate + Beta 2 <br> Factor * Historical Basic Unit Base Rate ^2 + Beta 3 Factor * <br> Coverage Level Percent + <br> Beta 4 Factor * Coverage Level Percent ^2 + <br> Beta 5 Factor * Approved Yield / Capping Reference Yield + <br> Beta 6 Factor * (Approved Yield / Capping Reference <br> Yield)^2 + <br> Beta 7 Factor * Price Volatility Factor + <br> Beta 8 Factor * Price Volatility Factor^2 + <br> Beta 9 Factor * Historical Basic Unit Base Rate * Coverage <br> Level Percent + <br> Beta 10 Factor * Historical Basic Unit Base Rate * Approved <br> Yield / Capping Reference Yield + <br> Beta 11 Factor * Historical Basic Unit Base Rate * Price <br> Volatility Factor + <br> Beta 12 Factor * Coverage Level Percent * Approved Yield / <br> Capping Reference Yield + <br> Beta 13 Factor * Coverage Level Percent * Price Volatility <br> Factor + <br> Beta 14 Factor * (Approved Yield / Capping Reference <br> Yield) * Price Volatility Factor ] * Unit Residual Factor X 1.1 | Coverage Level Percent | P14 | 34 | 9.9999 | None | For Option Code "TA" (Trend Adjustment) this will be Effective Coverage Level Percent. See Section 16 for Option Code "TA" (Trend Adjustment). |
|  |  | Historical Revenue Protection with Harvest Price Exclusion Base Premium Rate | Internal |  | 9999999999.99999999 | Round each intermittent Beta * calculation to 8 decimals as it has been done historically. |  |
|  |  | Beta 0 Factor - Beta 14 Factor | ADM |  | S99.999999999 | None | Edit with ADM Historical Revenue Capping, "A01110". |
|  |  | Price Volatility Factor | ADM |  | 9.99 | None | Edit with ADM Price, "A00810". |
|  |  | Unit Residual Factor | ADM |  | 999.999 | None | Edit with ADM Coverage Level Differential, "A01040". <br> See Section 18 for Option Code "TA" (Trend Adjustment). |
|  | When Unit Structure Code is equal to Enterprise Unit, "EU": <br> Replace 'Unit Residual Factor' with 'Enterprise Unit Residual Factor' | Enterprise Unit Residual Factor | ADM |  | 999.999 | None | Edit with ADM Coverage Level Differential, "A01040". <br> See Section 18 for Option Code "TA" (Trend Adjustment). |





## 12/12/2017



| Exhibit Name: Premium Calculation <br> Exhibit Number: P11-1, Plan 01, 02, 03 <br> Record Name: Acreage <br> Record Code: P11 |  |  |  |  | Reinsurance Year: 2013 <br> Version: Approved <br> Release Date: 12/18/2017 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 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 |  |  | 047 Dry Beans <br> 51 Grain Sorghum <br> 067 Dry Peas |  | 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field <br> Name | Record Number | Field <br> Number | Field <br> Format | Field <br> Rounding | Rules |
| Simulated Revenue Protection Losses Whole = Farm | 500 all Commodities <br> $\sum$ Round(MAX $\left(0, \Sigma\right.$ Ay $_{\text {commodityj }}$ * <br> i=1 <br> Acres $_{\text {commodityj }}$ * covlvl commodityj * <br> Round(MAX(ProjPrice commodityj, $^{\text {Round(MIN(2 }}$ * <br> ProjPrice commodityj, Round(e ${ }^{\text {(Pricecommodityji * }}$ <br> Round(VLnVarcommodityj,12) + <br> LnMeancommodityj) ,12)),12)),12) - <br> all Commodities <br> $\sum$ Round(MAX(0)Round(Yield commodityji * <br> j= <br> AdjStdDev $_{\text {commodityj }}+$ AdjMean $_{\text {commodityj,12 }}$ ) $)$,12) <br> * Round(MIN(2 * ProjPrice commodiyj , <br> Round( $\mathrm{e}^{\text {(Pricecommodityji * Round(VLnVarcommodityj,12) + }}$ <br> LnMeancommodityj) ,12)),12) * <br> Round(Acres commodityj,12 ), 12) | Simulated Revenue Protection Losses Whole Farm <br> (SimRPLossesWF) | Internal |  | 9999999999.99999999999 | Round to 12 decimals. | Simulated Revenue Protection Losses for All Commodity/Acreage report line in the Whole Farm Unit. |
|  |  | Coverage Level Percent ${ }_{\text {commodityj }}$ (covivl) | P14 | 34 | 9.9999 | None | For Option Code "TA" (Trend Adjustment) this will be Effective Coverage Level Percent. See Section 16 for Option Code "TA" (Trend Adjustment). |
|  |  | Approved Yield ${ }_{\text {commodityj }}$ ( AY ) | P11 | 46 | 99999999.99 | None | Approved Yield for each Commodity/Acreage report line in the Whole Farm Unit. <br> For APH Trend, the Approved Yield will be the greater of the Trended yield and the adjusted yield (the approved yield that would have been if TA wasn't selected without the effects to cups or floors) <br> For skip row commodities, the approved yield is the coverted approved yield from the P15 record with skip row (yield conversion factor) applied. |
|  |  | Reported Acreage ${ }_{\text {commodityj }}$ (Acres) | P11 | 52 | 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 | Edit with ADM Price, "A00810". <br> Projected Price or Contract Price for each Commodity/Acreage report line in the Whole Farm Unit. |
|  |  | Price Draw Quanity ${ }_{\text {commodityj }}{ }^{i}$ (Price) | ADM |  | S99.999999999 | None | Price Draw Quantity for each Commodity /Acreage report line in the Whole Farm Unit. |
|  |  | Log Variance ${ }_{\text {commodityj }}$ (LnVar) | Internal |  | 999999.99999999 | None | Log Variance for each Commodity/Acreage report line in the Whole Farm Unit. |
|  |  | log Mean ${ }_{\text {commodityj }}$ (LnMean) | Internal |  | 999999.99999999 | None | Log Mean 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: 2013 <br> Record Name: Acreage Version: Approved <br> Record Code: P11 Release Date: $12 / 18 / 201$ |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
|   <br> 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 |  |  |  | 0078 Sunflowers 0081 Soybeans 0091 Barley |
| Calculations | Field <br> Name | Record Number | Field Number | Field <br> Format | Field <br> Rounding | Rules |
|  | Coverage Level Percent ${ }_{\text {commodityj }}$ (covlvi) <br> Revenue Protection with Harvest Price Exclusion Whole Farm Rate | P14 | 34 | 9.9999 | None | For Option Code "TA" (Trend Adjustment) this will be Effective Coverage Level Percent. See Section 16 for Option Code "TA" (Trend Adjustment). |
|  |  | 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. |
| When Insurance Plan Code equals Revenue Protection, "02": <br> ```Whole Farm Base Premium Rate``` | Whole Farm Base Premium Rate | Internal |  | 9999999999.99999999 | None |  |
| When Insurance Plan Code equals Revenue Protection with Harvest Price Exclusion, "03": $\quad \begin{gathered}\text { Whole Farm Base } \\ \text { Premium Rate }\end{gathered}=\begin{aligned} & \text { Revenue Protection with Harvest Price Exclusion Whole } \\ & \text { Farm Rate }\end{aligned}$ | Whole Farm Base Premium Rate | Internal |  | 9999999999.99999999 | None |  |



| Exhibit Name: Premium Calculation  <br> Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2013 <br> Record Name: Acreage Version: Approved <br> Record Code: P11 Release Date: $12 / 18 / 2017$ |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 01 Yield Protection | 02 Revenue Protection |  |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |
| 0011 Wheat 0015 Canola 0018 Rice | 0021 Cotton <br> 0041 Corn 0043 Popcorn | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  |  |  | 0078 Sunflowers 0081 Soybeans 0091 Barley |
| Calculations | Field <br> Name | Record <br> Number | Field Number | Field <br> Format | Field <br> Rounding | Rules |
| Section 9: Total Premium Amount, Subsidy Amount, and Producer Premium Amount |  |  |  |  |  |  |
| $\begin{gathered} \text { Preliminary Total } \begin{array}{c} \text { Premium Liability Amount * Premium Rate * Experience } \\ \text { Premium }= \end{array} \begin{array}{l} \text { Factor * Premium Surcharge Percent * Total Premium } \\ \text { Multiplicative Optional Rate Adjustment Factor } \end{array} \text { 俍 } \end{gathered}$ | Preliminary Total Premium | Internal |  | 9999999999 | Round to whole number. |  |
|  | Experience Factor | P11 | 51 | 9.999 | None | Experience Factor is only applicable for Insurance Plan Code Yield Protection, "01". |
|  | Premium Surcharge Percent | Internal |  |  |  | Use when the Approved Yield Had a Cup or Surcharge applied. |
|  | Total Premium Multiplicative Optional Rate Adjustment Factor | ADM |  | 9.9999 | None | If Option Rate with Rate Method Code equal "T". Edit with ADM Option Rate, "A01060". Currently this will be used for Short Rate Option. |
|  | Total Premium Amount | P11 | 92 | 9999999999 | Round to whole number. |  |
| Adjustment Factor | Multiple Commodity Adjustment Factor | ICE |  | 9999.999 | None | Edit with ICE Multiple Cropping, "D00063". Used when there is a first Commodity Loss. |
|  | Subsidy Amount | P11 | 90 | 9999999999 | Round to whole number. |  |
|  | Subsidy Percent | ADM |  | 9.999 | None | Edit with ADM Subsidy Percent, "A00070". |
| Producer Premium Amount | Producer Premium Amount | P11 | 93 | 9999999999 | Round to whole number. |  |




| Exhibit Name: Premium Calculation  <br> Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2013 <br> Record Name: Acreage Version: Approved <br> Record Code: P11 Release Date: $12 / 18 / 2017$ |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
|  0011 Wheat <br> Commodity Code 0015 Canola <br> 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  |  |  | 0078 Sunflowers 0081 Soybeans 0091 Barley |
| Calculations | Field <br> Name | Record Number | Field Number | Field <br> Format | Field <br> Rounding | Rules |
|  | Reported Acreage | Internal |  |  | None | There may need to be multiple record is there are multiple contracts and/or there are more acres insured to yield more bushels than the contract(s) call for. <br> Acreage in excess of contracted acreage will be insured at the additional value price on the actuarial documents. <br> If there is not enough reported acres to support all of the contracts, Insurance will be limited to what the total reported acreage will support. |
| $\begin{aligned} & \text { Premium Guarantee Per }=\text { Approved Yield * Coverage Level Percent } \\ & \text { Acre Amount } \end{aligned}$ | Premium Guarantee Per Acre Amount | Internal |  | 999999999.99 | Round to 1 decimals. | Determine the Premium Guarantee Per Acre Amount and the Guarantee Per Acre Amount for each record. <br> Common Crop Insurance Policy definition 'production guarantee (per acre)'. |
| If Late Planting applies: $\begin{aligned} & \text { Guarantee Per Acre } \\ & \text { Amount } \end{aligned}=\begin{aligned} & \text { Premium Guarantee Per Acre Amount * Guarantee } \\ & \text { Adjustment Factor } \end{aligned}$ | Guarantee Per Acre Amount | Internal |  | 999999999.99 | Round to 1 decimals. | Prevented Planting does not apply to Malting Barley Option A or Malting Barley Option B records. |
| Premium Total Guarantee <br> Amount$=$Premium Guarantee Per Acre Amount * Price Election <br> Amount * Reported Acreage | Premium Total Guarantee Amount | Internal |  | 99999999.99 | Round to 2 decimals. |  |
| $\text { Total Guarantee Amount = } \begin{aligned} & \text { Guarantee Per Acre Amount * Price Election Amount * } \\ & \text { Reported Acreage } \end{aligned}$ | Total Guarantee Amount | P11 | 100 | 99999999.99 | Round to 2 decimals. |  |
| Premium Liability Amount = Premium Total Guarantee Amount * Insured Share Percent | Premium Liability Amount | Internal |  | 9999999999 | Round to whole number. |  |
| Liability Amount = Total Guarantee Amount * Insured Share Percent | Liability Amount | P11 | 91 | 9999999999 | Round to whole number. |  |


| Exhibit Name: Premium Calculation  <br> Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2013 <br> Record Name: Acreage Version: Approved <br> Record Code: P11 Release Date: $12 / 18 / 2017$ |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
|   <br> Commodity Code 0011 Wheat <br> 0015 Canola <br> 0018 Rice | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 47 Dry Beans 51 Grain Sorghum 67 Dry Peas |  | 0078 Sunflowers 0081 Soybeans 0091 Barley |
| Calculations | Field Name | Record <br> Number | Field Number | Field Format | Field Rounding | Rules |
| Section 11: Premium Rate |  |  |  |  |  |  |
| MIN(.999, Base Premium Rate * Unit Structure Discount $\begin{aligned} & \text { Premium Rate }==\text { Factor } * \text { Multiplicative Optional Rate Adjustment Factor+ } \\ & \text { Additive Optional Rate Factor) }\end{aligned}$ | Premium Rate | Internal |  | 9999999999.99999999 | Round to 8 decimals. | Premium Rate is capped at 0.99900000 . <br> To Determine the Premium Rate for the Malting <br> Barley Option Records: <br> 1) Use the Rate Yield as determined under normal procedures. <br> 2) Process the Rate Yield through section 2 of these procedures as if it was a normal Yield Protection Plan of Insurance using the rating components for the regular Barley offer. <br> 3) Find the Basic Unit Discount Factor to be applied later from section 3 of these procedures as if it was a normal Yield Protection Plan of Insurance <br> 4) Find the applicable Malting Barley Option Factor to be applied later from section 4. This will be the only option factor applied to a Malting Barley record. <br> 5) Sections 5, 6, 7 are not applicable for MA/MB records. |
|  | Multiplicative Optional Rate Adjustment Factor | Internal |  | 999999.9999 |  |  |
|  | Additive Optional Rate Adjustment Factor | Internal |  | 999999.9999 |  |  |



| Exhibit Name: Premium Calculation <br> Exhibit Number: P11-1, Plan 01, 02, 03 <br> Record Name: Acreage <br> Record Code: P11 |  | Reinsurance Year: 2013 <br> Version: Approved <br> Release Date: 12/18/2017 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
|   <br> 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 |  |  | 0078 Sunflowers 0081 Soybeans 0091 Barley |  |
| Calculations | Field <br> Name | Record Number | Field Number | Field <br> Format | Field <br> Rounding | Rules |
| When Guarantee Adjustment Type Code equals Late Planting, "L" OR Prevented Planting, "P": <br> Premium Guarantee Per Acre Amount * Guarantee Adjustment Factor | Guarantee Per Acre Amount | Internal |  | 999999999.99 | Round to whole number. |  |
|  | Guarantee Adjustment Factor | P11 | 75 | 0.999 | None | Edit with the Guarantee Adjustment ICE, "D00068". |
| Price Election Amount $=$ Projected Price * Price Election Percent | Price Election Amount | Internal |  | 9999.9999 | Round to nearest whole cent [\$9.99]. | Cottonseed will equal the Projected Price from ADM regardless of Price Election Percent for Cotton Lint. |
|  | Projected Price | ADM |  | 99999.9999 |  |  |
|  | Price Election Percent | ICE |  | 9.9999 | None | Will always be 1.000 for Cottonseed. |
| $\begin{gathered} \text { Premium Total Guarantee }=\begin{array}{l} \text { Premium Guarantee Per Acre Amount * Price Election } \\ \text { Amount } \end{array} \text { Amount * Reported Acreage } \end{gathered}$ | Premium Total Guarantee Amount | Internal |  | 99999999.99 | Round to 2 decimals. |  |
|  | Price Election Amount | Internal |  | 9999.9999 | None |  |
|  | Reported Acreage | P11 | 52 | 99999999.99 | None | From Cotton P11 record. |
| $\text { Total Guarantee Amount = } \begin{aligned} & \text { Guarantee Per Acre Amount * Price Election Amount * } \\ & \text { Reported Acreage } \end{aligned}$ | Total Guarantee Amount | P11 | 100 | 99999999.99 | Round to 2 decimals. |  |
|  | Price Election Amount | Internal |  | 9999.9999 | None |  |
|  | Reported Acreage | P11 | 52 | 999999.99 | None | From Cotton P11 record. |
| Premium Liability Amount $=$ Premium Total Guarantee Amount * Insured Share Percent | Premium Liability Amount | Internal |  | 9999999999 | Round to whole number. |  |
|  | Insured Share Percent | P11 | 47 | 9.9999 | None | From Cotton P11 record. |
| Liability Amount $=$ Total Guarantee Amount * Insured Share Percent | Liability Amount | P11 | 91 | 9999999999 | Round to whole number. |  |
|  | Insured Share Percent | P11 | 47 | 9.9999 | None | From Cotton P11 record. |



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| Exhibit Name: Premium Calculation  <br> Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2013 <br> Record Name: Acreage Version: Approved <br> Record Code: P11 Release Date: $12 / 18 / 2017$ |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 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 |  | 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field Name | Record Number | $\begin{aligned} & \text { Field } \\ & \text { Number } \end{aligned}$ | Field Format | Field Rounding | Rules |
| $\text { Rate Differential Factor = } \begin{aligned} & \text { Round(Base Rate Differential Factor }+ \text { (Upper Bound Rate } \\ & \text { Differential Factor }- \text { Lower Bound Rate Differential Factor) } \\ & \text { (Effective Coverage Level Percent }- \text { Floored Effective } \\ & \text { Coverage Level Percent) } * 20,9) \end{aligned}$ |  | 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 |
|  |  | Effective Coverage Level Percent | Internal |  | 9.99 | None |  |


|  |  | Exhibit Name: Premium Calculation Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11 | Reinsurance Year: 2013 <br> Version: Approved <br> Release Date: 12/18/2017 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  |  | 03 Revenue Prote | n 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 |  | 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field Name | Record Number | Field | Field Format | $\begin{gathered} \text { Field } \\ \text { Rounding } \end{gathered}$ | Rules |
|  |  | Floored Effective Coverage Level Percent | Internal |  | 9.99 | 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 Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11 |  | Reinsurance Year: 2013 <br> Version: Approved <br> Release Date: 12/18/2017 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 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 |  | 0078 Sunflowers 0081 Soybeans 0091 Barley |
| Calculations |  | Field Name | Record Number | Field Number | Field Format | Field Rounding | Rules |
|  |  | Floored Effective Coverage Level Percent | Internal |  | 9.99 | 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. |
|  |  | 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". |


| Exhibit Name: Premium Calculation <br> Exhibit Number: P11-1, Plan 01, 02, 03 <br> Record Name: Acreage <br> Record Code: P11 |  |  |  | Reinsurance Year: 2013 <br> Version: Approved <br> Release Date: 12/18/2017 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 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 |  | 0078 Sunflowers 0081 Soybeans 0091 Barley |
| Calculations | Field Name | Record <br> Number | Field Number | Field Format | Field Rounding | Rules |
| $\begin{aligned} \text { Prior Year Enterprise Unit } \\ \text { Residual Factor } \end{aligned}=\begin{aligned} & \text { (Upper Bound Prior Year Enterprise Unit Residual Factor - } \\ & \text { Lower Bound Prior Year Enterprise Unit Residual Factor) * } \end{aligned}$ | 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. |
|  | 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 |  | 9.99 | None |  |


|  |  | Exhibit Name: Premium Calculation Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11 | Reinsurance Year: 2013 <br> Version: Approved <br> Release Date: 12/18/2017 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 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 |  | 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field Name | $\begin{array}{\|l} \hline \text { Record } \\ \text { Number } \\ \hline \end{array}$ | $\begin{array}{\|l} \text { Field } \\ \text { Number } \\ \hline \end{array}$ | $\underset{\text { Format }}{\text { Field }}$ | $\begin{gathered} \text { Field } \\ \text { Rounding } \end{gathered}$ | Rules |
|  |  | Floored Effective Coverage Level Percent | Internal |  | 9.99 | 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: 2013 <br> Record Name: Acreage Version: Approved <br> Record Code: P11 Release Date: $12 / 18 / 2017$ |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 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 |  |  | 0078 Sunflowers 0081 Soybeans 0091 Barley |  |
|  | Calculations | Field <br> Name | Record <br> Number | Field <br> Number | Field <br> Format | Field <br> Rounding | Rules |
| Whole Farm Unit ResidualFactor $=$Round(Base Whole Farm Unit Residual Factor + (Upper <br> Bound Whole Farm Unit Residual Factor - Lower Bound <br> Whole Farm Unit Residual Factor) <br> * (Effective Coverage <br> Level Percent - Floored Effective Coverage Level Percent) <br> $20,3)$ |  | Lower Bound Whole Farm Unit Residual Factor | ADM |  | 999.999 | None $\quad$Based on the 'lower bound' Coverage Level. <br> Edit with ADM Coverage Level Differential, <br> "A01040". <br> If the Effective Coverage Level equals an <br> existing ADM Coverage Level then this will be <br> based on the Effective Coverage Level. <br> If the Effective Coverage Level falls between <br> existing ADM Coverage Levels then this will be <br> based on the lower ADM Coverage Level. <br> If the Effective Coverage Level is greater than <br> the maximum ADM Coverage Level then this <br> will be based on the second highest ADM <br> Coverage Level. |  |
|  |  | Effective Coverage Level Percent | Internal |  | 9.99 | None |  |
|  |  | Floored Effective Coverage Level Percent | Internal |  | 9.99 | 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 <br> None 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. |  |
|  |  | Prior Year Whole Farm 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 |


| Exhibit Name: Premium Calculation  <br> Exhibit Number: P11-1, Plan 01, 02, 03 Reinsurance Year: 2013 <br> Record Name: Acreage Version: Approved <br> Record Code: P11 Release Date: $12 / 18 / 2017$ |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 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 |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field Name | Record Number | $\begin{aligned} & \text { Field } \\ & \text { Number } \end{aligned}$ | Field Format | $\begin{gathered} \text { Field } \\ \text { Rounding } \end{gathered}$ | Rules |
| $\square$ <br> Round(Base Whole Farm Prior Year Unit Residual Factor + <br> Prior Year Whole Farm Unit Residual Factor (Upper Bound Prior Year Whole Farm Unit Residual Factor Lower Bound Prior Year Whole Farm Unit Residual Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 3) |  | Base Whole Farm Base Prior Year Unit Residual Factor | ADM |  | 999.999 | None | Base Whole Farm Base Prior Year Unit Residual Factor is equal to Whole Farm Base 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 Whole Farm 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. |
|  |  | Lower Bound Prior Year 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 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 |  | 9.99 | None |  |


|  |  | Exhibit Name: Premium Calculation Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11 | Reinsurance Year: 2013 <br> Version: Approved <br> Release Date: 12/18/2017 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 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 |  | 0078 Sunflowers 0081 Soybeans 0091 Barley |
|  | Calculations | Field Name | $\begin{aligned} & \text { Record } \\ & \text { Number } \end{aligned}$ | Field | Field Format | $\begin{gathered} \text { Field } \\ \text { Rounding } \end{gathered}$ | Rules |
|  |  | Floored Effective Coverage Level Percent | Internal |  | 9.99 | 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 Exhibit Number: P11-1, Plan 01, 02, 03 Record Name: Acreage Record Code: P11 | Reinsurance Year: 2013 <br> Version: Approved <br> Release Date: 12/18/2017 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 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 |  |  | 0078 Sunflow 0081 Soybea 0091 Barley |  |
|  | Calculations | $\begin{aligned} & \text { Field } \\ & \text { Name } \end{aligned}$ | Record Number | $\begin{aligned} & \text { Field } \\ & \text { Number } \end{aligned}$ | Field Format | $\begin{gathered} \text { Field } \\ \text { Rounding } \end{gathered}$ | Rules |
|  |  | Effective Coverage Level Percent | Internal |  | 9.99 | None |  |
|  |  | Floored Effective Coverage Level Percent | Internal |  | 9.99 | 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 |


| Exhibit Name: Premium Calculation <br> Exhibit Number: P11-1, Plan 01, 02, 03 <br> Record Name: Acreage <br> Record Code: P11 |  | Reinsurance Year: 2013 <br> Version: Approved <br> Release Date: 12/18/2017 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code 01 Yield Protection | 02 Revenue Protection |  |  | 03 Revenue Protection with Harvest Price Exclusion |  |  |
|   <br> Commodity Code 0011 Wheat <br> 0015 Canola <br> 0018 Rice <br>   | 0021 Cotton 0041 Corn 0043 Popcorn |  |  | 0047 Dry Beans 0051 Grain Sorghum 0067 Dry Peas |  | 0078 Sunflowers 0081 Soybeans 0091 Barley |
| Calculations | Field <br> Name | Record <br> Number | Field Number | Field <br> Format | Field <br> Rounding | Rules |
| Written Agreement Rate Information |  |  |  |  |  |  |
| Section 20: Written Agreement Rate Calculation |  |  |  |  |  | The following information will be used only when an applicable county program does not exist in the county and written agreement (WA) specifies a Multiplicative Rate, Add-on Rate, or Designated Rate. This would include situations where a written agreement (WA) for a type or practice not contained in the Actuarial materials. |
| When WA specifies a Multiplicative Rate: |  |  |  |  |  |  |
| $\begin{aligned} & =\begin{array}{l} \text { Round(Reference Rate }+ \text { Fixed Rate) * Written Agreement } \\ \text { Multiplicative Rate Adjustment,3) }- \text { Fixed Rate } \end{array} \end{aligned}$ | Reference Rate | Internal |  | 9.9999 | None |  |
|  | Reference Rate | ADM |  | 9.9999 | None | Edit with ADM Base Rate, "A01010". |
|  | Fixed Rate | ADM |  | 9.9999 | None | Edit with ADM Base Rate, "A01010". |
|  | Written Agreement <br> Multiplicative Rate Adjustment | WA |  | 9.9999 | None |  |
| $\begin{aligned} \text { Prior Year Reference Rate }=\begin{array}{l} \text { (Round(Reference Rate }+ \text { Fixed Rate) }) * \text { Written Agreement } \\ \text { Multiplicative Rate Adjustment, } 3)- \text { Fixed Rate } \end{array} \end{aligned}$ | Prior Year Reference Rate | Internal |  | 9.9999 | None |  |
|  | Reference Rate | ADM |  | 9.9999 | None | Edit with ADM Base Rate, "A01010". |
|  | Fixed Rate | ADM |  | 9.9999 | None | Edit with ADM Base Rate, "A01010". |
|  | Written Agreement <br> Multiplicative Rate Adjustment | WA |  | 9.9999 | None |  |
| When WA specifies a Add-on Rate: |  |  |  |  |  |  |
| = Fixed Rate + Written Agreement Add-on Rate | Fixed Rate | Internal |  | 9.9999 | None |  |
|  | Fixed Rate | ADM |  | 9.9999 | None | Edit with ADM Base Rate, "A01010". |
|  | Written Agreement Add-on Rate | WA |  | 9.9999 | None |  |
| Prior Year Fixed Rate = Fixed Rate + Written Agreement Add-on Rate | Prior Year Fixed Rate | Internal |  | 9.9999 | None |  |
|  | Fixed Rate | ADM |  | 9.9999 | None | Edit with ADM Base Rate, "A01010". |
|  | Written Agreement Add-on Rate | WA |  | 9.9999 | None |  |



| Exhibit Name: Premium Calculation <br> Exhibit Number: P11-1, Plan 01, 02,03 <br> Record Name: Acreage <br> Record Code: P11 |  | Reinsurance Year: 2013 <br> Version: Approved <br> Release Date: 12/18/2017 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 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 |  |  |  | 0078 Sunflowers 0081 Soybeans 0091 Barley |
| Calculations | Field Name | Record Number | Field Number | Field Format | $\begin{gathered} \text { Field } \\ \text { Rounding } \end{gathered}$ | 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 22: Liability Calculation |  |  |  |  |  |  |
| $\begin{aligned} & \text { Premium Liability Amount }=\begin{array}{l} \text { Dollar Amount of Insurance } * \text { Reported Acreage } * \text { Insured } \\ \text { Share Percent } * \text { Price Election Percent } \end{array} \end{aligned}$ | 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 | 51 | 99999999.99 | None |  |
|  | Insured Share Percent | P11 | 46 | 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. |
| $\text { Liability Amount }=\begin{aligned} & \text { Dollar Amount of Insurance * Reported Acreage * Insured } \\ & \text { Share Percent * Price Election Percent } \end{aligned}$ | Liability Amount | P11 | 93 | 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 | 51 | 999999.99 | None |  |
|  | Insured Share Percent | P11 | 46 | 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 Exhibit Number: P11-1, Plan 01, 02, 03 <br> Record Name: Acreage <br> Record Code: P11 | Reinsurance Year: 2013 <br> Version: Approved <br> Release Date: 12/18/2017 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Insurance Plan Code | 01 Yield Protection | 02 Revenue Protection |  |  |  | 03 Revenue Prot | 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 |  |  |  | 0078 Sunflowers 0081 Soybeans 0091 Barley |
| Calculations |  | Field <br> Name | Record <br> Number | Field <br> Number | Field <br> Format | Field <br> Rounding | Rules |
| Section 23: Total Premium Amount, Subsidy Amount, and Producer Premium Amount |  |  |  |  |  |  |  |
| $\begin{aligned} & \text { Preliminary Total } \\ & \text { Premium } \end{aligned}=\text { Premium Liability Amount * Premium Rate }$ |  | Preliminary Total Premium | Internal |  | 9999999999 | Round to whole number. |  |
|  |  | Premium Rate | ADM |  |  | None | Edit with ADM Option Rate, "A01060", rate with insurance option = 'DC'. |
| Total Premium Amou | Preliminary Total Pr | Total Premium Amount | P11 | 94 | 9999999999 | Round to whole number. |  |
| Subsidy Amount $=$ Total Premium Amount * Subsidy Percent |  | Subsidy Amount | P11 | 92 | 9999999999 | Round to whole number. |  |
|  |  | Subsidy Percent | ADM |  | 9.999 | None | Edit with ADM Subsidy Percent, "A00070". Will always be 38\% for DRE. |
| ```Producer Premium = Total Premium Amount - Subsidy Amount``` |  | Producer Premium Amount | P11 | 95 | 9999999999 | Round to whole number. |  |

