

Exhibit Name: Premium Calculation  
 Exhibit Number: P11-9, Plan 90  
 Record Name: Acreage  
 Record Code: P11

Reinsurance Year: 2024  
 Version: Draft  
 Release Date: 12/14/2023

Insurance Plan Code 90 Actual Production History

|                                 |                         |                               |                            |
|---------------------------------|-------------------------|-------------------------------|----------------------------|
| 0012 Blueberries                | 0054 Apples             | 0132 Cucumbers                | 0235 Cigar Bindr Tobacco   |
| 0013 Onions                     | 0055 Culti Wild Rice    | 0147 Pumpkins                 | 0236 Cigar Wrapper Tobacco |
| 0017 Millet                     | 0058 Cranberries        | 0156 Sweet Potatoes           | 0255 Banana                |
| 0019 Avocados                   | 0059 Silage Sorghum     | 0158 Triticale                | 0256 Coffee                |
| 0022 Cotton Extra Long          | 0060 Figs               | 0201 Grapefruit               | 0257 Papaya                |
| 0023 Macadamia Nuts             | 0064 Green Peas         | 0202 Lemons                   | 0309 Mandarins/Tangerines  |
| 0028 Almonds                    | 0067 Dry Peas           | 0203 Tangelos                 | 0333 Camelina              |
| 0029 Walnuts                    | 0069 Mustard            | 0218 Fresh Apricots           | 0463 Kiwifruit             |
| <u>Commodity Code</u> 0031 Flax | 0072 Cabbage            | 0219 Processing Apricots      | 0396 Sesame                |
| 0033 Forage Production          | 0074 Mint               | 0220 Fresh Nectarines         | 0470 Pistachios            |
| 0034 Peaches                    | 0079 Clary Sage         | 0221 Processing Cling Peaches | 0501 Olives                |
| 0036 Prunes                     | 0084 Potatoes           | 0222 Processing Freestone     | 1302 Tangors               |
| 0038 Sugar Cane                 | 0086 Fresh Tomatoes     | 0223 Fresh Freestone Peaches  | 1218 Hemp                  |
| 0039 Sugar Beets                | 0087 Tomatoes           | 0227 Oranges                  | 6000 Caneberries           |
| 0042 Sweet Corn                 | 0089 Pears              | 0229 Flue Cured Tobacco       |                            |
| 0046 Processing Beans           | 0092 Fresh Plums        | 0230 Fire Cured Tobacco       |                            |
| 0047 Dry Beans                  | 0102 Grass Seed         | 0231 Burley Tobacco           |                            |
| 0049 Safflower                  | 0105 Fresh Market Beans | 0232 Maryland Tobacco         |                            |
| 0052 Table Grapes               | 0107 Alfalfa Seed       | 0233 Dark Air Tobacco         |                            |
| 0053 Grapes                     | 0114 Buckwheat          | 0234 Cigar Filler Tobacco     |                            |

Calculations

Field Name

Record Number

Field Number

Field Format

Field Rounding

Rules

Section 1: Liability Calculation

|   |                        |          |    |             |   |  |
|---|------------------------|----------|----|-------------|---|--|
| Guarantee Per Acre1 = Approved Yield * Coverage Level Percent | Guarantee Per Acre1    | Internal |    | 99999999.99 | When Unit of Measure equals Pounds, "LBS", then Round to whole Number.<br><br>When Unit of Measure equals Tons, "Tons", then Round to 2 decimals.<br><br>Otherwise, Round to 1 decimal. | Guarantee Per Acre1 should be rounded to whole pounds for Dry Beans, "0047" (all types), and Dry Peas, "0067" (all types).   |
|   | Approved Yield         | P11      | 42 | 99999999.99 | None  |  |
|   | Coverage Level Percent | P14      | 34 | 9.9999      | None  | For APH Trend, Yield Cup, Quality Loss, <b>Early Harvest Adjustment</b> , and Yield Exclusion the Coverage Level Percent in this section is ALWAYS the chosen coverage level and NOT the Effective Coverage Level. |

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| Calculations   | Field Name                      | Record Number | Field Number | Field Format | Field Rounding  | Rules  |
|--|---------------------------------|---------------|--------------|--------------|---|--|
| Premium Acre Guarantee Quantity = Guarantee Per Acre1 * Yield Conversion Factor  | Premium Acre Guarantee Quantity | Internal      |              | 99999999.99  | When Unit of Measure equals Pounds, "LBS", then Round to whole Number.<br><br>When Unit of Measure equals Tons, "Tons", then Round to 2 decimals.<br><br>Otherwise, Round to 1 decimal. | Premium Acre Guarantee Quantity should be rounded to whole pounds for Dry Beans, "0047" (all types), and Dry Peas, "0067" (all types).   |
|  | Yield Conversion Factor         | P11           | 59           | 9.999        | None  | When Commodity Code is '0021' and Skip Row Code is not one of the following values: '117', '217', '317' and Practice Code is one of the following values: '063', '073', '083', '729', '730', '731', '732', '733', '734' and Yield Conversion Factor exists Yield Conversion Factor must be valid; edit with the Yield Conversion ICE, "D00064" record. |
| Round(Guarantee Per Acre1 * Yield Conversion Factor, Acre Guarantee Quantity = lbs to 0, tons to 2, all other 1) * Guarantee Adjustment Factor | Acre Guarantee Quantity         | P11           | 106          | 99999999.99  | When Unit of Measure equals Pounds, "LBS", then Round to whole Number.<br><br>When Unit of Measure equals Tons, "Tons", then Round to 2 decimals.<br><br>Otherwise, Round to 1 decimal. | Acre Guarantee Quantity should be rounded to whole pounds for Dry Beans, "0047" (all types), and Dry Peas, "0067" (all types).   |
|  | Yield Conversion Factor         | P11           | 59           | 9.999        | None  | When Commodity Code is '0021' and Skip Row Code is not one of the following values: '117', '217', '317' and Practice Code is one of the following values: '063', '073', '083', '729', '730', '731', '732', '733', '734' and Yield Conversion Factor exists Yield Conversion Factor must be valid; edit with the Yield Conversion ICE, "D00064" record. |
|  | Guarantee Adjustment Factor     | P11           | 69           | 0.999        | None  | Edit with the Guarantee Adjustment ICE, "D00068" or ADM Guarantee Adjustment, "A01220" for Prevented Planting.   |

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| Calculations  | Field Name               | Record Number  | Field Number | Field Format | Field Rounding   | Rules   |
|---|--------------------------|----------------|--------------|--------------|--|---|
| Premium Total Guarantee Amount = Premium Acre Guarantee Quantity * Reported Acreage   | Premium Total Guarantee  | Internal       |              | 99999999.99  | When Unit of Measure equals Barrels or Tons, then Round to 1 decimal.<br>Otherwise, Round to whole number. |   |
|   | Reported Acreage         | P11            | 48           | 999999.99    | None   | Reported Acreage must equal the sum of all Land, P27, Reported Acreage.             |
| Total Guarantee Amount = Acre Guarantee Quantity * Reported Acreage   | Total Guarantee Amount   | P11            | 103          | 99999999.99  | When Unit of Measure equals Barrels or Tons, then Round to 1 decimal.<br>Otherwise, Round to whole number. |   |
|   | Reported Acreage         | P11            | 48           | 999999.99    | None   | Reported Acreage must equal the sum of all Land, P27, Reported Acreage.             |
| Price Election Amount = ADM Price (or Contract Price) * Price Election Percent  | Price Election Amount    | P11 (Internal) | 45           | 9999.9999    | See Appendix III Price Election Amount Rounding Exhibit P11.8.   | Result will be capped if based on Contract Price and it exceeds Contract Price Max. |
|   | ADM Price                | ADM            |              | 99999.9999   |  | Edit with ADM Price, "00810".   |
|   | Contract Price           | P11            | 46           | 9999.9999    | None   | Contract Price, if applicable, should be entered in the Contract Price field.       |
|   | Price Election Percent   | P14            | 35           | 9.9999       | None   |   |
| Premium Liability Amount = Premium Total Guarantee Amount * Price Election Amount * Insured Share Percent   | Premium Liability Amount | Internal       |              | 9999999999   | Round to whole number  |   |
|   | Price Election Amount    | P11            | 45           | 9999.9999    | None   | Edit with ADM Price, "A00810".  |
|   | Insured Share Percent    | P11            | 43           | 9.9999       | None   |   |
| For Mustard (commodity 0069):<br><br>Premium Liability Amount = (Lesser of "Reported Pounds or Premium Total Guarantee Amount") * Price Election Amount * Insured Share Percent | Premium Liability Amount | Internal       |              | 9999999999   | Round to whole number  |   |
|   | Reported Pounds          | P11            | 32           | 9999999999   | None   |   |
|   | Price Election Amount    | P11            | 45           | 9999.9999    | None   | Edit with ADM Price, "A00810".  |
|   | Insured Share Percent    | P11            | 43           | 9.9999       | None   |   |
| Liability Amount = Total Guarantee Amount * Price Election Amount * Insured Share Percent   | Liability Amount         | P11            | 94           | 9999999999   | Round to whole number  |   |
|   | Price Election Amount    | P11            | 45           | 9999.9999    | None   |   |
|   | Insured Share Percent    | P11            | 43           | 9.9999       | None   |   |
| For Mustard (commodity 0069):<br><br>Liability Amount = (Lesser of "Reported Pounds or Total Guarantee Amount") * Price Election Amount * Insured Share Percent                 | Liability Amount         | P11            | 94           | 9999999999   | Round to whole number  |   |
|   | Reported Pounds          | P11            | 32           | 9999999999   | None   |   |
|   | Price Election Amount    | P11            | 45           | 9999.9999    | None   | Edit with ADM Price, "A00810".  |
|   | Insured Share Percent    | P11            | 43           | 9.9999       | None   |   |

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| Calculations  | Field Name   | Record Number          | Field Number | Field Format    | Field Rounding      | Rules                              |  |
|---|--|------------------------|--------------|-----------------|---------------------|------------------------------------|--|
| <b>Section 2: Base Premium Rate Calculation</b>   |  |                        |              |                 |                     |                                    |  |
| Current Year Yield Ratio = Rate Yield / Reference Yield   | Current Year Yield Ratio   | Internal               |              | 9999999.99      | Round to 2 decimals | Cup at 0.50 and Cap at 1.50.       |  |
|   | Rate Yield   | P15                    | 35           | 99999999.99     | None                |                                    |  |
|   | Reference Yield  | ADM                    |              | 99999.99        | None                | Edit with ADM Base Rate, "A01010". |  |
| <b>When previous year yield limitation code = '03', Insurance Option Code List contains Yield Cup (YC), and Commodity Code Dry Beans "0047" and Type Code equals Contract "62", or Commodity Code equals Dry Peas "0067" and Type Code equals</b> |  |                        |              |                 |                     |                                    |  |
| Prior Year Yield Ratio = Round(Approved Yield * Contract Price,0) / Prior Year Reference Amount   | Prior Year Yield Ratio   | Internal               |              | 9999999.99      | Round to 2 decimals |                                    |  |
|   | Approved Yield   | P11                    | 42           | 99999999.99     | None                |                                    |  |
|   | Contract Price   | P11                    | 46           | 9999.9999       | None                |                                    |  |
|   | Prior Year Reference Amount  | ADM                    |              | 99999.99        | None                | Edit with ADM Base Rate, "A01010". |  |
| <b>When previous year yield limitation code = '03' and Insurance Option Code List contains Yield Cup (YC) and the aforementioned commodities/types are not applicable:</b>  |  |                        |              |                 |                     |                                    |  |
| Prior Year Yield Ratio = Approved Yield / Prior Year Reference Yield Amount   | Prior Year Yield Ratio   | Internal               |              | 9999999.99      | Round to 2 decimals |                                    |  |
|   | Approved Yield   | P11                    | 42           | 99999999.99     | None                |                                    |  |
|   | Prior Year Reference Yield Amount  | ADM                    |              | 99999.99        | None                | Edit with ADM Base Rate, "A01010". |  |
| <b>Otherwise:</b>   |  |                        |              |                 |                     |                                    |  |
| Prior Year Yield Ratio = Rate Yield / Prior Year Reference Amount   | Prior Year Yield Ratio   | Internal               |              | 9999999.99      | Round to 2 decimals |                                    |  |
|   | Rate Yield   | P15                    | 35           | 99999999.99     | None                |                                    |  |
|   | Prior Year Reference Amount  | ADM                    |              | 99999.99        | None                | Edit with ADM Base Rate, "A01010". |  |
| Current Year Rate Multiplier = Current Year Yield Ratio ^ Exponent Value  | Current Year Rate Multiplier   | Internal               |              | 999999.99999999 | Round to 8 decimals |                                    |  |
|   | Exponent Value   | ADM                    |              | 599.999         | None                | Edit with ADM Base Rate, "A01010". |  |
| Prior Year Rate Multiplier = Prior Year Yield Ratio ^ Prior Year Exponent Value   | Prior Year Rate Multiplier   | Internal               |              | 999999.99999999 | Round to 8 decimals |                                    |  |
|   | Prior Year Exponent Value  | ADM                    |              | 599.999         | None                | Edit with ADM Base Rate, "A01010". |  |
| Current Year Base Rate =  | <b>When Rate Method Code equals Fixed Rate, "F":</b><br>Sub County Rate  | Current Year Base Rate | Internal     |                 | 999999.99999999     | Round to 8 decimals                |  |
|   | <b>When Rate Method Code equals Additive, "A":</b><br>Sub County Rate + (Current Year Rate Multiplier * Reference Rate + Fixed Rate)       | Sub County Rate        | ADM          |                 | 9.9999              | None                               | Edit with ADM Sub County Rate, "A01050". |
|   | <b>When Rate Method Code equals Multiplicative, "M":</b><br>Sub County Rate * (Current Year Rate Multiplier * Reference Rate + Fixed Rate) | Reference Rate         | ADM          |                 | 9.9999              | None                               | Edit with ADM Base Rate, "A01010".       |
|   | <b>Otherwise:</b><br>Current Year Rate Multiplier * Reference Rate + Fixed Rate.   | Fixed Rate             | ADM          |                 | 9.9999              | None                               | Edit with ADM Base Rate, "A01010".       |

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| Calculations  | Field Name   | Record Number | Field Number | Field Format    | Field Rounding      | Rules   |
|---|--|---------------|--------------|-----------------|---------------------|---|
| Prior Year Base Rate =<br><br>Sub County Rate   | <b>When Rate Method Code equals Fixed Rate, "F":</b><br>Prior Year Base Rate   | Internal      |              | 999999.99999999 | Round to 8 decimals |   |
|   | <b>When Rate Method Code equals Additive, "A":</b><br>Sub County Rate + (Prior Year Rate Multiplier * Prior Year Reference Rate + Prior Year Fixed Rate)       | ADM           |              | 9.9999          | None                | Edit with ADM Sub County Rate, "A01050".  |
|   | <b>When Rate Method Code equals Multiplicative, "M":</b><br>Sub County Rate * (Prior Year Rate Multiplier * Prior Year Reference Rate + Prior Year Fixed Rate) | ADM           |              | 9.9999          | None                | Edit with ADM Base Rate, "A01010".  |
|   | <b>Otherwise:</b><br>Prior Year Rate Multiplier * Prior Year Reference Rate + Prior Year Fixed Rate  | ADM           |              | 9.9999          | None                | Edit with ADM Base Rate, "A01010".  |
| Current Year Base Premium Rate =<br>Current Year Base Rate * Rate Differential Factor * Unit Residual Factor. | Current Year Base Premium Rate   | Internal      |              | 999999.99999999 | Round to 8 decimals | If Option Code "YC", "QL", "EH", "YE" or "TA" is applicable and the effective coverage level exceeds the highest coverage level for the offer in the ADM, see Section 14 for the Current Year Base Premium Rate calculation.  |
|   | Rate Differential Factor   | ADM           |              | 9.99999999      | None                | Edit with ADM Coverage Level Differential, "A01040".<br>When Option Code 'YC', 'QL', 'EH', 'YE' or 'TA' is elected, see section 12.   |
|   | Unit Residual Factor   | ADM           |              | 9.999           | None                | Edit with ADM Coverage Level Differential, "A01040".<br>When Unit Structure Code equals "OU", "UA", "UD", or "BU", then Unit Residual Factor.<br>When Unit Structure Code equals "EU" or "EP," then Enterprise Unit Residual Factor.<br>When Option Code 'YC', 'QL', 'EH', 'YE' or 'TA' is elected, see section 13. |

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|--------------|------------|---------------|--------------|--------------|----------------|-------|
|--------------|------------|---------------|--------------|--------------|----------------|-------|

**When previous year yield limitation code = '03' and Insurance Option Code List contains Yield Cup (YC):**

|  |                                     |          |  |                 |                     |   |
|--|-------------------------------------|----------|--|-----------------|---------------------|---|
| $\text{Prior Year Base Premium Rate} = \frac{\text{Prior Year Base Premium}}{\text{Prior Year Base Rate} * 1.05 * \text{Prior Year Rate Differential Factor} * \text{Prior Year Residual Factor} * 1.2}$ | Prior Year Base Premium Rate        | Internal |  | 999999.99999999 | Round to 8 decimals |   |
|  | Prior Year Rate Differential Factor | ADM      |  | 9.99999999      | None                | Edit with ADM Coverage Level Differential, "A01040".  |
|  | Prior Year Unit Residual Factor     | ADM      |  | 9.999           | None                | Edit with ADM Coverage Level Differential, "A01040".<br>When Unit Structure Code equals "OU", "UA", "UD", or "BU", then Prior Year Unit Residual Factor.<br><br>When Unit Structure Code equals "EU" then Prior Year Enterprise Unit Residual Factor. |

**Otherwise:**

|   |                                     |          |  |                 |                     |  |
|---|-------------------------------------|----------|--|-----------------|---------------------|--|
| $\text{Prior Year Base Premium Rate} = \frac{\text{Prior Year Base Premium}}{\text{Prior Year Base Rate} * \text{Prior Year Rate Differential Factor} * \text{Prior Year Residual Factor} * 1.2}$ | Prior Year Base Premium Rate        | Internal |  | 999999.99999999 | Round to 8 decimals |  |
|   | Prior Year Rate Differential Factor | ADM      |  | 9.99999999      | None                | Edit with ADM Coverage Level Differential, "A01040".<br>When Option Code 'YC', 'QL', 'EH', 'YE' or 'TA' is elected, see section 12.  |
|   | Prior Year Unit Residual Factor     | ADM      |  | 9.999           | None                | Edit with ADM Coverage Level Differential, "A01040".<br>When Unit Structure Code equals "OU", "UA", "UD", or "BU", then Prior Year Unit Residual Factor.<br><br>When Unit Structure Code equals "EU" then Prior Year Enterprise Unit Residual Factor.<br><br>When Option Code 'YC', 'QL', 'EH', 'YE' or 'TA' is elected, see section 13. |

|  |                   |     |    |                 |      |  |
|--|-------------------|-----|----|-----------------|------|--|
| $\text{Base Premium Rate} = \text{MIN}(\text{Current Year Base Premium Rate}, \text{Prior Year Base Premium Rate}, \text{or } .999)$ | Base Premium Rate | P11 | 97 | 999999.99999999 | None |  |
|--|-------------------|-----|----|-----------------|------|--|

**Section 3: Optional Coverage Calculation**

|   |  |          |  |             |                     |   |
|---|--|----------|--|-------------|---------------------|---|
| $\text{Additive Optional Rate Adjustment Factor} = \frac{\text{When Rate Method Code} = \text{A}}{\text{SUM}(\text{Option Rate(s)}) * \text{Rate Differential Factor}}$ | Additive Optional Rate Adjustment Factor       | Internal |  | 999999.9999 | Round to 4 decimals |   |
|   | Option Rate                                    | ADM      |  | 9.9999      | None                | Edit with ADM Option Rate, "A01060".  |
|   | Rate Differential Factor                       | ADM      |  | 9.99999999  | None                | Edit with ADM Coverage Level Differential, "A01040".<br>When Option Code 'YC', 'QL', 'EH', 'YE' or 'TA' is elected, see section 12. |
| $\text{Multiplicative Optional Rate Adjustment Factor} = \frac{\text{When Rate Method Code} = \text{M}}{\text{Product}(\text{Option Rate(s)})}$                         | Multiplicative Optional Rate Adjustment Factor | Internal |  | 999999.9999 | Round to 4 decimals |   |
|   | Option Rate                                    | ADM      |  | 9.9999      | None                | Edit with ADM Option Rate, "A01060".  |

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|--------------|------------|---------------|--------------|--------------|----------------|-------|
|--------------|------------|---------------|--------------|--------------|----------------|-------|

**Section 4: Premium Rate Calculation**

|  |                                |          |  |                 |                     |  |
|--|--------------------------------|----------|--|-----------------|---------------------|--|
| $\text{Premium Rate} = \frac{\text{Base Premium Rate} * \text{Unit Structure Discount Factor} * \text{Multiplicative Optional Rate Adjustment Factor} + \text{Additive Optional Rate Adjustment Factor}}{\text{Unit Structure Discount Factor}}$ | Premium Rate                   | Internal |  | 999999.99999999 | Round to 8 decimals | Premium Rate is capped at 0.99900000.  |
|  | Unit Structure Discount Factor | ADM      |  | 9.999           | None                | <p>Edit with ADM Unit Discount, "A01090". When Unit Structure Code equals "OU", "UA", or "UD", then Unit Structure Discount Factor equals Optional Unit Discount Factor.</p> <p>When Unit Structure Code equals "BU", then Unit Structure Discount Factor equals Basic Unit Discount Factor.</p> <p>If commodity (ie Dry Beans and Dry Peas) uses acres for determination of Unit Structure Discount Factor when Unit Structure Code equals "BU", Basic Unit Discount Factor is contingent upon the sum of reported acres which were not prevented from planting for the unit being greater than or equal to Area Low Quantity and less than or equal to Area High Quantity fields contained on the ADM Unit Discount, "A01090" for Coverage Level. If unit only has prevented planted acres then no discount, factor = 1.000.</p> <p>When Unit Structure Code equals "EU" then Unit Structure Discount Factor equals Enterprise Unit Discount Factor.</p> |

**Section 5: Total Premium, Subsidy, and Producer Premium Calculation**

|   |                                  |          |    |            |                       |   |
|---|----------------------------------|----------|----|------------|-----------------------|---|
| $\text{Preliminary Total Premium Amount} = \text{Premium Liability Amount} * \text{Premium Rate} * \text{Experience Factor} * \text{Premium Surcharge Percent}$ | Preliminary Total Premium Amount | Internal |    | 9999999999 | Round to whole number |   |
|   | Experience Factor                | P11      | 47 | 9.999      | None                  | Must be a value between minimum and maximum on ICE, "D10023".   |
|   | Premium Surcharge Percent        | Internal |    | 9.99       | None                  | <p>When Surcharge Applied Flag equals "Y", then Premium Surcharge Percent must equal .05, otherwise must equal .00.</p> <p>Does not apply when option "YC" is elected. Set to 1.00.</p> |

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|--|--------------------------------------|---------------|--------------|--------------|-----------------------|---|
| Total Premium Amount = Preliminary Total Premium Amount * Multiple Commodity Adjustment Factor | Total Premium Amount                 | P11           | 95           | 9999999999   | Round to whole number |   |
|  | Multiple Commodity Adjustment Factor | ICE           |              | 9999.999     | None                  | Edit with ICE Multiple Cropping, "D00063".  |
| 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 10 for subsidy calculations. |
|  | Subsidy Percent                      | ADM           |              | 9.999        | None                  | Edit with ADM Subsidy Percent, "A00070".  |
| Producer Premium Amount = Total Premium Amount - Subsidy Amount                                | Producer Premium Amount              | P11           | 96           | 9999999999   | Round to whole number |   |

**Cottonseed Endorsement Option 'SE'**

Information (Approved Yield, Rate Yield, Reported Acreage, Insured Share Percent, Base Premium Rate) will be obtained from ELS Cotton P11 record associated with the Cottonseed record.

If Yield Cup, Yield Exclusion, Quality Loss, or Trend APH is elected, see section 14 and 15 for the current year base premium rate calculation when the Effective Coverage Level exceeds the MAX ADM coverage level.

**Section 6: Liability Calculation**

|   |                                 |          |     |             |                       |   |
|---|---------------------------------|----------|-----|-------------|-----------------------|---|
| Modified Yield = Approved Yield * Option Conversion Factor                          | Modified Yield                  | Internal |     | 99999999.99 | Round to whole Number |   |
|   | Approved Yield                  | P11      | 42  | 99999999.99 | None                  | From ELS cotton P11 record.   |
|   | Option Conversion Factor        | ADM      |     | 9.9999      | None                  | Edit with ADM Option Rate, "A01060".  |
| Guarantee Per Acre1 = Modified Yield * Coverage Level Percent                       | Guarantee Per Acre1             | Internal |     | 99999999.99 | Round to whole Number |   |
|   | Coverage Level Percent          | P14      | 34  | 9.9999      | None                  | For APH Trend, Quality Loss, and Yield Exclusion the Coverage Level Percent in this section is ALWAYS the chosen coverage level and NOT the Effective Coverage Level. |
| Premium Acre Guarantee Quantity = Guarantee Per Acre1                               | Premium Acre Guarantee Quantity | Internal |     | 99999999.99 | Round to whole Number |   |
| Acre Guarantee Quantity = Guarantee Per Acre1 * Guarantee Adjustment Factor         | Acre Guarantee Quantity         | P11      | 106 | 99999999.99 | Round to whole Number |   |
|   | Guarantee Adjustment Factor     | P11      | 69  | 0.999       | None                  | Edit with the Guarantee Adjustment ICE, "D00068" or ADM Guarantee Adjustment, "A01220" for Prevented Planting.  |
| Premium Total Guarantee Amount = Premium Acre Guarantee Quantity * Reported Acreage | Premium Total Guarantee Amount  | Internal |     | 99999999.99 | Round to whole number |   |
|   | Reported Acreage                | P11      | 48  | 999999.99   | None                  | From ELS cotton P11 record.   |



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| Calculations  | Field Name               | Record Number | Field Number | Field Format | Field Rounding        | Rules  |
|---|--------------------------|---------------|--------------|--------------|-----------------------|--|
| Total Guarantee Amount = Acre Guarantee Quantity * Reported Acreage                                       | Total Guarantee Amount   | P11           | 103          | 99999999.99  | Round to whole number |  |
|   | Reported Acreage         | P11           | 48           | 999999.99    | None                  | From ELS cotton P11 record.  |
| Premium Liability Amount = Premium Total Guarantee Amount * Price Election Amount * Insured Share Percent | Premium Liability Amount | Internal      |              | 9999999999   | Round to whole number |  |
|   | Price Election Amount    | P11           | 45           | 9999.9999    | None                  | Edit with ADM Price, "A00810". Will always equal 100% of Cottonseed Established Price. |
|   | Insured Share Percent    | P11           | 43           | 9.9999       | None                  |  |
| Liability Amount = Total Guarantee Amount * Price Election Amount * Insured Share Percent                 | Liability Amount         | P11           | 94           | 9999999999   | Round to whole number |  |
|   | Price Election Amount    | P11           | 45           | 9999.9999    | None                  |  |
|   | Insured Share Percent    | P11           | 43           | 9.9999       | None                  |  |

**Section 7: Optional Coverage Calculation**

|   |  |          |  |             |                     |   |
|---|--|----------|--|-------------|---------------------|---|
| Additive Optional Rate Adjustment Factor = SUM (Option Rate(s)) * Rate Differential Factor<br><br>When Rate Method Code = A | Additive Optional Rate Adjustment Factor       | Internal |  | 999999.9999 | Round to 4 decimals |   |
|   | Option Rate                                    | ADM      |  | 9.9999      | None                | Edit with ADM Option Rate, "A01060".  |
|   | Rate Differential Factor                       | ADM      |  | 9.99999999  | None                | Edit with ADM Coverage Level Differential, "A01040".<br>When Option Code 'YC', 'QL', 'EH', 'YE' or 'TA' is elected, see section 12. |
| Multiplicative Optional Rate Adjustment Factor = Product (Option Rate(s))<br><br>When Rate Method Code = M                  | Multiplicative Optional Rate Adjustment Factor | Internal |  | 999999.9999 | Round to 4 decimals |   |
|   | Option Rate                                    | ADM      |  | 9.9999      | None                | Edit with ADM Option Rate, "A01060".  |

**Section 8: Premium Rate Calculation**

|   |                                |          |    |                 |                     |   |
|---|--------------------------------|----------|----|-----------------|---------------------|---|
| Premium Rate = Base Premium Rate * Unit Structure Discount Factor + Multiplicative Optional Rate Adjustment Factor + Additive Optional Rate Adjustment Factor | Premium Rate                   | Internal |    | 999999.99999999 | Round to 8 decimals |   |
|   | Base Premium Rate              | P11      | 97 | 999999.99999999 | None                | From ELS cotton P11 record.   |
|   | Unit Structure Discount Factor | ADM      |    | 9.999           | None                | From ELS cotton P11 record.<br>Edit with ADM Unit Discount, "A01090".<br>When Unit Structure Code equals "OU", "UA", or "UD", then Unit Structure Discount Factor equals Optional Unit Discount Factor.<br><br>When Unit Structure Code equals "BU", then Unit Structure Discount Factor equals Basic Unit Discount Factor.<br><br>When Unit Structure Code equals "EU" then Unit Structure Discount Factor equals Enterprise Unit Discount Factor. |

Exhibit Name: Premium Calculation  
 Exhibit Number: P11-9, Plan 90  
 Record Name: Acreage  
 Record Code: P11

Reinsurance Year: 2024  
 Version: Draft  
 Release Date: 12/14/2023

| Calculations  | Field Name                           | Record Number | Field Number | Field Format | Field Rounding        | Rules  |
|---|--------------------------------------|---------------|--------------|--------------|-----------------------|--|
| <b>Section 9: Total Premium, Subsidy, and Producer Premium Calculation</b>  |                                      |               |              |              |                       |  |
| $\text{Preliminary Total Premium Amount} = \text{Premium Liability Amount} * \text{Premium Rate} * \text{Experience Factor} * \text{Premium Surcharge Percent}$ | Preliminary Total Premium Amount     | Internal      |              | 9999999999   | Round to whole number |  |
|   | Experience Factor                    | P11           | 47           | 9.999        | None                  | Must be a value between minimum and maximum on ICE, "D10023".  |
|   | Premium Surcharge Percent            | Internal      |              | 9.99         | None                  | When Surcharge Applied Flag equals "Y", then Premium Surcharge Percent must equal .05, otherwise must equal .00.<br><br>Does not apply when option "YC" is elected. Set to 1.00. |
| $\text{Total Premium Amount} = \text{Preliminary Total Premium Amount} * \text{Multiple Commodity Adjustment Factor}$   | Total Premium Amount                 | P11           | 95           | 9999999999   | Round to whole number |  |
|   | Multiple Commodity Adjustment Factor | ICE           |              | 9999.999     | None                  | Edit with ICE Multiple Cropping, "D00063".   |
| $\text{Subsidy Amount} = \text{Total Premium Amount} * \text{Subsidy Percent}$  | Subsidy Amount                       | P11           | 93           | 9999999999   | Round to whole number | If this record qualifies for Beginning Farmer and Rancher or Native Sod, see Section 10 for subsidy calculations.  |
|   | Subsidy Percent                      | ADM           |              | 9.999        | None                  | Edit with ADM Subsidy Percent, "A00070".   |
| $\text{Producer Premium Amount} = \text{Total Premium Amount} - \text{Subsidy Amount}$  | Producer Premium Amount              | P11           | 96           | 9999999999   | Round to whole number |  |
| <b>Section 10: Beginning Farmer and Rancher (BFR), Veteran Farmer Rancher (VFR), Native Sod (NS) and Conservation Compliance (CC) Subsidy Calculations</b>      |                                      |               |              |              |                       |  |
| $\text{Base Subsidy Amount} = \text{Total Premium Amount} * \text{Subsidy Percent}$   | Base Subsidy Amount                  | Internal      |              | 9999999999   | Round to whole number | Cupped by the standard rule of \$1 if applicable.  |
|   | Subsidy Percent                      | ADM           |              | 9.999        | None                  | Edit with ADM Subsidy Percent, "A00070".   |
| $\text{BFR/VFR Subsidy Amount} = \text{Total Premium Amount} * 0.10 * (1 - \text{CC Subsidy Reduction Percent})$  | BFR/VFR Subsidy Amount               | Internal      |              | 9999999999   | Round to whole number | Beginning Farmer Rancher/Veteran Farmer Rancher Subsidy Amount.<br>If Applicable; else 0.<br>0.10 (10%).   |
| $\text{Native Sod Subsidy Amount} = \text{Total Premium Amount} * 0.50$   | Native Sod Subsidy Amount            | Internal      |              | 9999999999   | Round to whole number | If Applicable; else 0.<br>0.50 (50%).<br>For CAT coverage, Native Sod Subsidy Amount is always 0.  |
| $\text{CC Subsidy Reduction Amount} = \text{Base Subsidy Amount} * \text{CC Subsidy Reduction Percent}$   | CC Subsidy Reduction Percent         | P11           | 76           | 9.9999       | None                  | If Applicable; else 0.   |
|   | CC Subsidy Reduction Amount          | P11           | 111          | 9999999999   | Round to whole number | CC Subsidy Reduction Amount.<br>If Applicable; else 0.   |
| $\text{Subsidy Amount} = \text{Base Subsidy Amount} + \text{BFR/VFR Subsidy Amount} - \text{Native Sod Subsidy Amount} - \text{CC Subsidy Reduction Amount}$    | Subsidy Amount                       | P11           | 93           | 9999999999   | Round to whole number | Subsidy Amount cannot exceed Total Premium Amount. Subsidy Amount will be cupped at \$0.   |
| $\text{Producer Premium Amount} = \text{Total Premium Amount} - \text{Subsidy Amount}$  | Producer Premium Amount              | P11           | 96           | 9999999999   | Round to whole number |  |

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 Record Name: Acreage  
 Record Code: P11

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| Calculations  | Field Name | Record Number | Field Number | Field Format | Field Rounding | Rules  |
|---|------------|---------------|--------------|--------------|----------------|--|
| Trend APH (Option 'TA'), Yield Cup (Option 'YC'), Quality Loss (Option 'QL'), <b>Early Harvest Adjustment (Option 'EH')</b> , and Yield Exclusion (Option 'YE') |            |               |              |              |                | Trend Adjustment Option (TA), Yield Cup Option (YC), Quality Loss (QL), <b>Early Harvest Adjustment (EH)</b> , and Yield Exclusion Option (YE) ONLY available in select counties for selected crops. |

Section 11: Effective Coverage Level Calculation

When Commodity Code equals Dry Beans "0047" and Type Code equals Contract "62", or Commodity Code equals Dry Peas "0067" and Type Code equals Spring Contract "98":

|  |                                  |          |    |             |                     |   |
|--|----------------------------------|----------|----|-------------|---------------------|---|
| $\text{Effective Coverage Level Percent} = \frac{\text{Coverage Level Percent} * \text{Round}(\text{Approved Yield} * \text{Contract Price}, 0)}{\text{Adjusted Yield}}$ | Effective Coverage Level Percent | Internal |    | 99.9999     | Round to 2 decimals |   |
|  | Coverage Level Percent           | P14      | 34 | 9.9999      | None                |   |
|  | Approved Yield                   | P11      | 42 | 99999999.99 | None                | For APH Trend, Yield Cup, Quality Loss, <b>Early Harvest Adjustment</b> , and Yield Exclusion, the Approved Yield will be the greater of the calculated Approved Yield and the Adjusted Yield.<br><br>For skip row commodities, the approved yield is the converted Approved Yield from the P15 record with skip row (yield conversion factor) applied. |
|  | Contract Price                   | P11      | 46 | 9999.9999   | None                |   |
|  | Adjusted Yield                   | P15      | 44 | 99999999.99 | None                | For skip row commodities, the Adjusted Yield is the converted Adjusted Yield from the P15 record with skip row (yield conversion factor) applied.   |

For all others:

|   |                                  |          |    |             |                       |  |
|---|----------------------------------|----------|----|-------------|-----------------------|--|
| $\text{Effective Coverage Level Percent} = \text{Coverage Level Percent} * \text{Approved Yield} / \text{Adjusted Yield}$ | Effective Coverage Level Percent | Internal |    | 99.9999     | Rounded to 2 decimals |  |
|   | Coverage Level Percent           | P14      | 34 | 9.9999      | None                  |  |
|   | Approved Yield                   | P11      | 42 | 99999999.99 | None                  | For APH Trend, Yield Cup, Quality Loss, <b>Early Harvest Adjustment</b> , and Yield Exclusion, the Approved Yield will be the greater of the calculated approved yield and the adjusted yield. |
|   | Adjusted Yield                   | P15      | 44 | 99999999.99 | None                  |  |

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 Exhibit Number: P11-9, Plan 90  
 Record Name: Acreage  
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| Calculations                         | Field Name | Record Number | Field Number | Field Format | Field Rounding | Rules   |
|--------------------------------------|------------|---------------|--------------|--------------|----------------|---|
| Section 12: Rate Differential Factor |            |               |              |              |                | When Trend Adjustment Option (TA) was chosen and yield reflects a trend or when Yield Cup Option "YC" was chosen or when Quality Loss Option "QL" is chosen or when Early Harvest Option "EH" is chosen or when Yield Exclusion Option "YE" was chosen. |

When the Insurance Option Code List contains Options "YE", "QL", "EH", or "YC":

|  |                                      |          |  |            |                           |  |
|--|--------------------------------------|----------|--|------------|---------------------------|--|
|  | Rate Differential Factor             | Internal |  | 9.99999999 | Round to 9 decimal places |  |
|  | Base Rate Differential Factor        | ADM      |  | 9.99999999 | 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      |  | 9.99999999 | 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.<br>If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level.<br>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      |  | 9.99999999 | 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.<br>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                      |  |

$$\text{Rate Differential Factor} = \frac{(1 + (\text{ROUND}(\text{MIN}((\text{MAX}(0.85, \text{Effective Coverage Level Percent}) - 0.85) / 0.15), 1)^3, 7)) * 0.05 * (\text{Round}(\text{Base Rate Differential Factor} + (\text{Upper Bound Rate Differential Factor} - \text{Lower Bound Rate Differential Factor}) * (\text{Effective Coverage Level Percent} - \text{Floored Effective Coverage Level Percent}) * 20, 9))}{1}$$

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| Calculations   | Field Name                                      | Record Number | Field Number | Field Format | Field Rounding            | Rules  |
|--|---|---------------|--------------|--------------|---------------------------|--|
| $\text{Rate Differential Factor (contintued)} = \frac{(1 + (\text{ROUND}(\text{MIN}((\text{MAX}(0.85, \text{Effective Coverage Level Percent}) - 0.85) / 0.15), 1)^3, 7)) * 0.05 * (\text{Round}(\text{Base Rate Differential Factor} + (\text{Upper Bound Rate Differential Factor} - \text{Lower Bound Rate Differential Factor}) * (\text{Effective Coverage Level Percent} - \text{Floored Effective Coverage Level Percent}) * 20, 9))}{\text{Floored Effective Coverage Level Percent}}$ | Floored Effective Coverage Level Percent        | Internal      |              | 99.9999      | None                      | Based on the 'floored' 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 the Effective Coverage Level Percent.<br>If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level.<br>If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level. |
| $\text{Prior Year Rate Differential Factor} = \text{Round}(\text{Base Prior Year Rate Differential Factor} + (\text{Upper Bound Prior Year Rate Differential Factor} - \text{Lower Bound Prior Year Rate Differential Factor}) * (\text{Effective Coverage Level Percent} - \text{Floored Effective Coverage Level Percent}) * 20, 9)$   | Prior Year Rate Differential Factor             | Internal      |              | 9.99999999   | Round to 9 decimal places |  |
|  | Base Prior Year Rate Differential Factor        | ADM           |              | 9.99999999   | 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           |              | 9.99999999   | 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.<br>If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level.<br>If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level. |

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**Record Code:** P11

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| Calculations   | Field Name                                      | Record Number | Field Number | Field Format | Field Rounding | Rules  |
|--|---|---------------|--------------|--------------|----------------|--|
|  | 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.<br>If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on lower ADM Coverage Level.<br>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. |
| $\text{Prior Year Rate Differential Factor} = \text{Round}(\text{Base Prior Year Rate Differential Factor} + (\text{Upper Bound Prior Year Rate Differential Factor} - \text{Lower Bound Prior Year Rate Differential Factor}) * (\text{Effective Coverage Level Percent} - \text{Floored Effective Coverage Level Percent}) * 20, 9)$ | Floored Effective Coverage Level Percent        | Internal      |              | 99.9999      | None           | Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040".<br>If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be the Effective Coverage Level Percent.<br>If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level.<br>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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| Calculations   | Field Name                           | Record Number | Field Number | Field Format | Field Rounding            | Rules  |
|--|--------------------------------------|---------------|--------------|--------------|---------------------------|--|
| <b>When Trend Adjustment Option "TA" is elected alone (excludes "YC", "QL", "EH", and "YE")</b>  |                                      |               |              |              |                           |  |
| $\text{Rate Differential Factor} = \text{Round}(\text{Base Rate Differential Factor} + (\text{Upper Bound Rate Differential Factor} - \text{Lower Bound Rate Differential Factor}) * (\text{Effective Coverage Level Percent} - \text{Floored Effective Coverage Level Percent}) * 20, 9)$ | 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.<br>If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level.<br>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.<br>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                      |  |

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| Calculations   | Field Name                                      | Record Number | Field Number | Field Format | Field Rounding             | Rules  |
|--|---|---------------|--------------|--------------|----------------------------|--|
|  | Floored Effective Coverage Level Percent        | Internal      |              | 99.9999      | None                       | Based on the 'floored' 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 the Effective Coverage Level Percent.<br>If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level.<br>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 Rate Differential Factor             | Internal      |              | 9.999999999  | Round to 9 decimal places. |  |
| $\text{Prior Year Rate Differential Factor} = \text{Round}(\text{Base Prior Year Rate Differential Factor} + (\text{Upper Bound Prior Year Rate Differential Factor} - \text{Lower Bound Prior Year Rate Differential Factor}) * (\text{Effective Coverage Level Percent} - \text{Floored Effective Coverage Level Percent}) * 20, 9)$ | 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.<br>If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level.<br>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 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.<br>If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on lower ADM Coverage Level.<br>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. |



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| Calculations   | Field Name                               | Record Number | Field Number | Field Format | Field Rounding            | Rules  |
|--|--|---------------|--------------|--------------|---------------------------|--|
|  | Effective Coverage Level Percent         | Internal      |              | 99.9999      | None                      |  |
| Prior Year Rate Differential Factor (continued)<br>$\text{Round}(\text{Base Prior Year Rate Differential Factor} + (\text{Upper Bound Prior Year Rate Differential Factor} - \text{Lower Bound Prior Year Rate Differential Factor}) * (\text{Effective Coverage Level Percent} - \text{Floored Effective Coverage Level Percent}) * 20, 9)$ | Floored Effective Coverage Level Percent | Internal      |              | 99.9999      | None                      | Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040".<br>If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be the Effective Coverage Level Percent.<br>If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level.<br>If the Effective Coverage Level Percent is greater than the maximum ADM Coverage Level then this will be the highest ADM Coverage Level. |
| Section 13: Unit Residual Factor   |  |               |              |              |                           | The lookup/interpolation/extrapolation procedure for 'Unit Residual Factor and Prior Unit Residual Factor' when Trend Adjustment Option (TA) was chosen and yield reflects a trend or when Yield Cup Option "YC" was chosen or when Quality Loss Option "QL" was chosen, or when Early Harvest Option "EH" was chosen, or when Yield Exclusion Option "YE" was chosen.   |
| When Unit Structure Code is equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, "BU", use the following calculations for Unit Residual Factor and Prior Year Unit Residual Factor:  |  |               |              |              |                           |  |
|  | 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   |
| Unit Residual Factor = $\text{Round}(\text{Base Unit Residual Factor} + (\text{Upper Bound Unit Residual Factor} - \text{Lower Bound Unit Residual Factor}) * (\text{Effective Coverage Level Percent} - \text{Floored Effective Coverage Level Percent}) * 20, 3)$  | Base Unit Residual Factor                | ADM           |              | 999.999      | None                      | Base Unit Residual Factor is equal to 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".  |

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| Calculations   | Field Name                               | Record Number | Field Number | Field Format | Field Rounding | Rules  |
|--|--|---------------|--------------|--------------|----------------|--|
| Unit Residual Factor = Round(Base Unit Residual Factor + (Upper Bound Unit Residual Factor - Lower Bound Unit Residual Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 3)<br>(continued) | Upper Bound 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 Percent equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level Percent.<br>If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be based on the higher 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 highest ADM Coverage Level. |
|  | Lower Bound 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.<br>If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the lower ADM Coverage Level.<br>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".<br>If the Effective Coverage Level Percent equals an existing ADM Coverage Level then this will be the Effective Coverage Level Percent.<br>If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level.<br>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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| Calculations  | Field Name                                  | Record Number | Field Number | Field Format | Field Rounding            | Rules  |
|---|---|---------------|--------------|--------------|---------------------------|--|
| Prior Year Unit Residual Factor = $\text{Round}(\text{Base Prior Year Unit Residual Factor} + (\text{Upper Bound Prior Year Unit Residual Factor} - \text{Lower Bound Prior Year Unit Residual Factor}) * (\text{Effective Coverage Level Percent} - \text{Floored Effective Coverage Level Percent}) * 20, 3)$ | Prior Year 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 Prior Year Unit Residual Factor        | ADM           |              | 999.999      | None                      | Base Prior Year Unit Residual Factor is equal to 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 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.<br>If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level.<br>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 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.<br>If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on lower ADM Coverage Level.<br>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  
 Exhibit Number: P11-9, Plan 90  
 Record Name: Acreage  
 Record Code: P11

Reinsurance Year: 2024  
 Version: Draft  
 Release Date: 12/14/2023

| Calculations   | Field Name                               | Record Number | Field Number | Field Format | Field Rounding | Rules  |
|--|--|---------------|--------------|--------------|----------------|--|
| $\text{Prior Year Unit Residual Factor (continued)} = \frac{\text{Round}(\text{Base Prior Year Unit Residual Factor} + (\text{Upper Bound Prior Year Unit Residual Factor} - \text{Lower Bound Prior Year Unit Residual Factor}) * (\text{Effective Coverage Level Percent} - \text{Floored Effective Coverage Level Percent}) * 20, 3)}{\text{Effective Coverage Level Percent}}$ | Floored Effective Coverage Level Percent | Internal      |              | 99.9999      | None           | Based on the 'floored' 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 the Effective Coverage Level.<br>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. |

When Unit Structure Code is equal to Enterprise Unit, 'EU', use the following calculations for Enterprise Unit Residual Factor and Prior Year Enterprise Unit Residual Factor:

|  |   |          |  |         |                           |  |
|--|---|----------|--|---------|---------------------------|--|
| $\text{Enterprise Unit Residual Factor} = \frac{\text{Round}(\text{Base Enterprise Unit Residual Factor} + (\text{Upper Bound Enterprise Unit Residual Factor} - \text{Lower Bound Enterprise Unit Residual Factor}) * (\text{Effective Coverage Level Percent} - \text{Floored Effective Coverage Level Percent}) * 20, 3)}{\text{Effective Coverage Level Percent}}$ | 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 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".  |
|  | Upper Bound 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 Percent equals an existing ADM Coverage Level then this will be based on the Effective Coverage Level Percent.<br>If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be based on the higher 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 highest ADM Coverage Level. |

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 Exhibit Number: P11-9, Plan 90  
 Record Name: Acreage  
 Record Code: P11

Reinsurance Year: 2024  
 Version: Draft  
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| Calculations   | Field Name                                  | Record Number | Field Number | Field Format | Field Rounding            | Rules  |
|--|---|---------------|--------------|--------------|---------------------------|--|
|  | Lower Bound 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.<br>If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the lower ADM Coverage Level.<br>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                      |  |
| Round(Base Enterprise Unit Residual Factor + (Upper Enterprise Unit Residual Factor - Lower Bound Enterprise Unit Residual Factor) * (Effective Coverage Level Percent - Floored Effective Coverage Level Percent) * 20, 3)<br>(continued) | Floored Effective Coverage Level Percent    | Internal      |              | 99.9999      | None                      | Based on the 'floored' 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 the Effective Coverage Level Percent.<br>If the Effective Coverage Level Percent falls between existing ADM Coverage Levels then this will be the lower ADM Coverage Level.<br>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   |

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 Exhibit Number: P11-9, Plan 90  
 Record Name: Acreage  
 Record Code: P11

Reinsurance Year: 2024  
 Version: Draft  
 Release Date: 12/14/2023

| Calculations  | Field Name   | Record Number | Field Number | Field Format | Field Rounding | Rules  |
|---|--|---------------|--------------|--------------|----------------|--|
| Prior Year Enterprise Unit Residual Factor = Round(Base Enterprise Prior Year Unit Residual Factor + (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) | 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.<br>If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level.<br>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.<br>If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on lower ADM Coverage Level.<br>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           |  |

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 Exhibit Number: P11-9, Plan 90  
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| Calculations   | Field Name                               | Record Number | Field Number | Field Format | Field Rounding | Rules  |
|--|--|---------------|--------------|--------------|----------------|--|
| $\text{Prior Year Enterprise Unit Residual Factor} = \frac{\text{Round}(\text{Base Enterprise Prior Year Unit Residual Factor} + (\text{Upper Bound Prior Year Enterprise Unit Residual Factor} - \text{Lower Bound Prior Year Enterprise Unit Residual Factor}) * (\text{Effective Coverage Level Percent} - \text{Floored Effective Coverage Level Percent}) * 20, 3)}{\text{Floored Effective Coverage Level Percent}}$ | Floored Effective Coverage Level Percent | Internal      |              | 99.9999      | None           | Based on the 'floored' 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 the Effective Coverage Level.<br>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. |

**Section 14: Yield Cup, Yield Exclusion, Quality Loss, Early Harvest Adjustment, 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).**

|   |                                      |          |    |                    |                       |  |
|---|--------------------------------------|----------|----|--------------------|-----------------------|--|
| $\text{Unadjusted Liability Amount} = \frac{\text{Round}((\text{Coverage Level Percent}/\text{Effective Coverage Level Percent}), 10) * \text{Premium Liability Amount}}$   | 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 |  |
| $\text{Max Coverage Level Adjustment Factor} = \frac{\text{ROUND}(1.00 / \text{Current Year Base Rate}, 8) - \text{ROUND}(\text{Unadjusted Liability Amount} / (\text{Current Year Base Rate} * \text{Premium Liability Amount}), 8) + \text{ROUND}(\text{ROUND}(\text{Base Rate Differential Factor} * \text{Base Unit Residual Factor} * \text{Unit Structure Discount Factor} * \text{Unadjusted Liability Amount}, 8) / \text{Premium Liability Amount}, 8)}$ | 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                  |  |
|   | 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 13 for more info. |

Exhibit Name: Premium Calculation  
 Exhibit Number: P11-9, Plan 90  
 Record Name: Acreage  
 Record Code: P11

Reinsurance Year: 2024  
 Version: Draft  
 Release Date: 12/14/2023

| Calculations   | Field Name                           | Record Number | Field Number | Field Format       | Field Rounding      | Rules   |
|--|--------------------------------------|---------------|--------------|--------------------|---------------------|---|
| Marginal Rate Adjustment Factor =<br><br><b>When Unit Structure Code is equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, "BU":</b><br><br>Max Coverage Level Adjustment Factor / (Rate Differential Factor * Unit Residual Factor * Unit Structure Discount Factor)<br><br><b>When Unit Structure code is Enterprise Unit, "EU":</b><br><br>Max Coverage Level Adjustment Factor / (Rate Differential Factor * Enterprise Unit Residual Factor * Unit Structure Discount Factor) | Marginal Rate Adjustment Factor      | Internal      |              | 9.99999999         | Round to 8 decimals |   |
|  | Max Coverage Level Adjustment Factor | Internal      |              | 999999999.99999999 | Round to 8 decimals |   |
|  | Rate Differential Factor             | ADM           |              | 9.99999999         | None                | Edit with ADM Coverage Level Differential, "A01040."<br>See Section 12 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), Quality Loss "QL", <b>Early Harvest "EH"</b> , and "YE" (Yield Exclusion).  |
|  | Unit Residual Factor                 | ADM           |              | 999.999            | None                | Edit with ADM Coverage Level Differential, "A01040."<br>See Section 13 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), <b>"EH" (Early Harvest)</b> , and "YE" (Yield Exclusion).  |
|  | Unit Structure Discount Factor       | Internal      |              | 9.99999999         | None                | Capped at 1.0.  |
|  | Enterprise Unit Residual Factor      | ADM           |              | 9.999              | None                | Edit with ADM Coverage Level Differential, "A01040".<br>See Section 13 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), <b>"EH" (Early Harvest)</b> , and "YE" (Yield Exclusion) where Unit Structure Code equal to Enterprise Unit, "EU". |
| Current Year Base Premium Rate =<br><br><b>When Unit Structure Code is equal to Optional Unit, "OU", "UA", "UD", or Basic Unit, "BU":</b><br><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      |              | 999999999.99999999 | Round to 8 decimals |   |
|  | Rate Differential Factor             | ADM           |              | 9.99999999         | None                | Edit with ADM Coverage Level Differential, "A01040".<br>See Section 12 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), <b>"EH" (Early Harvest)</b> , and "YE" (Yield Exclusion).  |



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| Calculations   | Field Name                      | Record Number | Field Number | Field Format       | Field Rounding      | Rules  |
|--|---------------------------------|---------------|--------------|--------------------|---------------------|--|
|  | Unit Residual Factor            | ADM           |              | 999.999            | None                | Edit with ADM Coverage Level Differential, "A01040".<br>See Section 13 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), "EH" (Early Harvest), 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><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 13 for Option Code "TA" (Trend Adjustment), "YC" (Yield Cup), "QL" (Quality Loss), "EH" (Early Harvest), and "YE" (Yield Exclusion) where Unit Structure Code equal to Enterprise Unit, 'EU'.                                |

**Section 15: Yield Cup, Quality Loss, Yield Exclusion and Trend APH for Cottonseed--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).**

|   |                                 |          |  |                    |                     |  |
|---|---------------------------------|----------|--|--------------------|---------------------|--|
| Current Year Base Premium Rate<br><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 |  | 999999999.99999999 | Round to 8 decimals |  |
|   | Rate Differential Factor        | ADM      |  | 9.999999999        | None                | Edit with ADM Coverage Level Differential, "A01040".<br>See Section 12 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 13 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 | Copy value over from the base lint line.   |

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| Calculations | Field Name | Record Number | Field Number | Field Format | Field Rounding | Rules |
|--------------|------------|---------------|--------------|--------------|----------------|-------|
|--------------|------------|---------------|--------------|--------------|----------------|-------|

**Section 16: Unit Structure Discount Factor for Yield Cup, Yield Exclusion, Quality Loss, Early Harvest, and Trend APH** The lookup/interpolation/extrapolation procedure for 'Optional Unit Discount Factor, Basic Unit Discount Factor, and Enterprise Unit Discount Factor' when Trend Adjustment Option (TA), Yield Cup Option (YC), Quality Loss (QL), **Early Harvest (EH)**, or Yield Exclusion Option (YE) was chosen and yield reflects a trend.

**When Unit Structure Code is equal to Optional Unit, "OU", "UA", or "UD", use the following calculation for Unit Structure Discount Factor:**

|  |  |          |  |             |                           |  |
|--|--|----------|--|-------------|---------------------------|--|
| Unit Structure Discount Factor = $\frac{\text{Round}(\text{Base Coverage Level Percent Optional Unit Discount Factor} + (\text{Upper Bound Coverage Level Percent Optional Unit Discount Factor} - \text{Lower Bound Coverage Level Percent Optional Unit Discount Factor}) * (\text{Effective Coverage Level Percent} - \text{Floored Effective Coverage Level Percent}) * 20, 4)}{\text{Optional Unit Discount Factor}}$ | 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 Percent Optional 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.<br>If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level.<br>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  
 Exhibit Number: P11-9, Plan 90  
 Record Name: Acreage  
 Record Code: P11

Reinsurance Year: 2024  
 Version: Draft  
 Release Date: 12/14/2023

| <u>Calculations</u>   | <u>Field Name</u>  | <u>Record Number</u> | <u>Field Number</u> | <u>Field Format</u> | <u>Field Rounding</u> | <u>Rules</u>   |
|---|--|----------------------|---------------------|---------------------|-----------------------|--|
| Unit Structure Discount Factor cont'd   | Lower Bound Coverage Level Percent Optional Unit 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.<br>If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the lower ADM Coverage Level.<br>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                  |  |
| Unit Structure Discount Factor =<br>(continued)<br><br>$\text{Round}(\text{Base Coverage Level Percent Optional Unit Discount Factor} + (\text{Upper Bound Coverage Level Percent Optional Unit Discount Factor} - \text{Lower Bound Coverage Level Percent Optional Unit Discount Factor}) * (\text{Effective Coverage Level Percent} - \text{Floored Effective Coverage Level Percent}) * 20, 4)$ | Floored Effective Coverage Level Percent                         | Internal             |                     | 99.9999             | None                  | Based on the 'floored' Coverage Level. Edit with ADM Coverage Level Differential, "A01040".<br>If the Effective Coverage Level equals an existing ADM Coverage Level then this will be the Effective Coverage Level.<br>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.                                       |

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| Calculations   | Field Name  | Record Number | Field Number | Field Format | Field Rounding            | Rules  |
|--|---|---------------|--------------|--------------|---------------------------|--|
| <b>When Unit Structure Code is equal to Basic Unit, 'BU', use the following calculation for Unit Structure Discount Factor:</b>  |   |               |              |              |                           |  |
| Unit Structure Discount Factor = $\frac{\text{Round}(\text{Base Coverage Level Percent Basic Unit Discount Factor} + (\text{Upper Bound Coverage Level Percent Basic Unit Discount Factor} - \text{Lower Bound Coverage Level Percent Basic Unit Discount Factor}) * (\text{Effective Coverage Level Percent} - \text{Floored Effective Coverage Level Percent}) * 20, 4)}{\text{Base Coverage Level Percent Basic Unit Discount Factor}}$ | Unit Structure Discount Factor                                | Internal      |              | 9.999999999  | Round to 4 decimal places | Capped at 1.0  |
|  | Base Coverage Level Percent Basic Unit Discount Factor        | ADM           |              | 9.999999999  | None                      | Base Coverage Level Percent Basic Unit 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".  |
|  | Upper Bound Coverage Level Percent Basic 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.<br>If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level.<br>If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level.       |
| Unit Structure Discount Factor cont'd  | Lower Bound Coverage Level Percent Basic 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.<br>If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the lower ADM Coverage Level.<br>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                      |  |

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| Calculations  | Field Name                               | Record Number | Field Number | Field Format | Field Rounding | Rules  |
|---|--|---------------|--------------|--------------|----------------|--|
| $\text{Unit Structure Discount Factor (continued)} = \frac{\text{Round}(\text{Base Coverage Level Percent Basic Unit Discount Factor} + (\text{Upper Bound Coverage Level Percent Basic Unit Discount Factor} - \text{Lower Bound Coverage Level Percent Basic Unit Discount Factor}) * (\text{Effective Coverage Level Percent} - \text{Floored Effective Coverage Level Percent}) * 20, 4)}{\text{Floored Effective Coverage Level Percent}}$ | Floored Effective Coverage Level Percent | Internal      |              | 99.9999      | None           | Based on the 'floored' 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 the Effective Coverage Level.<br>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. |

When Unit Structure Code is equal to Enterprise Unit, 'EU', use the following calculation for Unit Structure Discount Factor:

|  |  |          |  |             |                           |  |
|--|--|----------|--|-------------|---------------------------|--|
| $\text{Unit Structure Discount Factor} = \frac{\text{Round}(\text{Base Coverage Level Percent Enterprise Unit Discount Factor} + (\text{Upper Bound Coverage Level Percent Enterprise Unit Discount Factor} - \text{Lower Bound Coverage Level Percent Enterprise Unit Discount Factor}) * (\text{Effective Coverage Level Percent} - \text{Floored Effective Coverage Level Percent}) * 20, 4)}{\text{Upper Bound Coverage Level Percent Enterprise Unit Discount Factor}}$ | 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 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.<br>If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the higher ADM Coverage Level.<br>If the Effective Coverage Level is greater than the maximum ADM Coverage Level then this will be based on the highest ADM Coverage Level. |

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**Record Code:** P11

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| <u>Calculations</u>   | <u>Field Name</u>  | <u>Record Number</u> | <u>Field Number</u> | <u>Field Format</u> | <u>Field Rounding</u> | <u>Rules</u>   |
|---|--|----------------------|---------------------|---------------------|-----------------------|--|
| Unit Structure Discount Factor (continued) = $\frac{\text{Round}(\text{Base Coverage Level Percent Enterprise Unit Discount Factor} + (\text{Upper Bound Coverage Level Percent Enterprise Unit Discount Factor} - \text{Lower Bound Coverage Level Percent Enterprise Unit Discount Factor}) * (\text{Effective Coverage Level Percent} - \text{Floored Effective Coverage Level Percent}) * 20, 4)}{\text{Effective Coverage Level Percent}}$ | 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.<br>If the Effective Coverage Level falls between existing ADM Coverage Levels then this will be based on the lower ADM Coverage Level.<br>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".<br>If the Effective Coverage Level equals an existing ADM Coverage Level then this will be the Effective Coverage Level.<br>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.                                       |