**Exhibit Name:** Premium Calculation  
**Exhibit Number:** P11-13, Plans 16, 17  
**Record Name:** Acreage  
**Reinsurance Year:** 2022  
**Version:** Draft  
**Release Date:** 9/2/2021

**Margins Protection (MP)**

<table>
<thead>
<tr>
<th>Insurance Plan Code</th>
<th>16 Margin Protection</th>
<th>Commodity Code</th>
<th>Wheat 0011</th>
<th>Rice 0018</th>
<th>Corn 0041</th>
<th>Soybeans 0081</th>
</tr>
</thead>
</table>

### Calculations

#### Section 1: Dollar Amount of Insurance

Dollar Amount of Insurance = Expected Revenue * Coverage Level Percent * Price Election Percent

- **Dollar Amount of Insurance**
  - Field Name: Internal
  - Record Number: P11
  - Field Number: 110
  - Field Format: 99999999.99
  - Field Rounding: Round to whole number.

- **Coverage Level Percent**
  - Field Name: P14
  - Field Number: 34
  - Field Format: 9.99
  - Field Rounding: 2 decimal places
  - Rules: Coverage Level Percent in 5% increments as selected for MP.

- **Price Election Percent**
  - Field Name: P14
  - Field Number: 35
  - Field Format: 9.99
  - Field Rounding: 2 decimal places
  - Rules: Protection Factor

- **Expected Revenue**
  - Field Name: ADM
  - Field Number: 99999999.99
  - Field Format: None

#### Section 2: Liability Calculation

<table>
<thead>
<tr>
<th>Calculation</th>
<th>Field Name</th>
<th>Record Number</th>
<th>Field Number</th>
<th>Field Format</th>
<th>Field Rounding</th>
<th>Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reported Acreage</td>
<td>Reported Acreage</td>
<td>P11</td>
<td>48</td>
<td>99999999.99</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Liability Amount = Total Guarantee Amount * Insured Share Percent</td>
<td>Liability Amount</td>
<td>P11</td>
<td>101</td>
<td>99999999.99</td>
<td>Round to whole number.</td>
<td></td>
</tr>
<tr>
<td>Insured Share Percent</td>
<td>Insured Share Percent</td>
<td>P11</td>
<td>43</td>
<td>9.9999</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Liability Amount = Total Guarantee Amount * Insured Share Percent</td>
<td>Liability Amount</td>
<td>P11</td>
<td>101</td>
<td>99999999.99</td>
<td>Round to whole number.</td>
<td></td>
</tr>
</tbody>
</table>

#### Section 3: Total Premium, Subsidy, and Producer Premium Calculation

<table>
<thead>
<tr>
<th>Calculation</th>
<th>Field Name</th>
<th>Record Number</th>
<th>Field Number</th>
<th>Field Format</th>
<th>Field Rounding</th>
<th>Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Total Premium Amount = Reported Acreage * Base Rate * Price Election Percent * Insured Share Percent</td>
<td>Preliminary Total Premium Amount</td>
<td>Internal</td>
<td>99999999.99</td>
<td>Round to whole number.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Base Rate</td>
<td>Base Rate</td>
<td>ADM</td>
<td>999999.9999</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Premium Amount</td>
<td>Total Premium Amount</td>
<td>P11</td>
<td>102</td>
<td>99999999.99</td>
<td>Round to whole number.</td>
<td></td>
</tr>
<tr>
<td>Subsidy Amount = Total Premium Amount * Subsidy Percent</td>
<td>Subsidy Amount</td>
<td>P11</td>
<td>100</td>
<td>99999999.99</td>
<td>Round to whole number.</td>
<td></td>
</tr>
<tr>
<td>Subsidy Percent</td>
<td>Subsidy Percent</td>
<td>ADM</td>
<td>9.9999</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Producer Premium Amount = Total Premium Amount - Subsidy Amount</td>
<td>Producer Premium Amount</td>
<td>P11</td>
<td>103</td>
<td>99999999.99</td>
<td>Round to whole number.</td>
<td></td>
</tr>
</tbody>
</table>
### Calculations

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Record Number</th>
<th>Field Number</th>
<th>Field Format</th>
<th>Field Rounding</th>
<th>Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simple Average Annual Yield</td>
<td>Internal</td>
<td>99999999.99</td>
<td>Round to 2 decimals.</td>
<td>Sum all average annual yields in the APH database for a type/practice unit divide by the number of yields.</td>
<td></td>
</tr>
<tr>
<td>Average Annual Yield(i)</td>
<td>Internal</td>
<td>99999999.99</td>
<td>Round to 2 decimals.</td>
<td>APH average annual yields for each year in the APH database.</td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>Internal</td>
<td>99999</td>
<td>Whole Number</td>
<td>Count of the yields in the APH database.</td>
<td></td>
</tr>
</tbody>
</table>

### County Yield Deviation(i)

\[ \text{County Yield Deviation}(i) = \text{Yield}(i) - \text{Simple Average County Yield} \]

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Record Number</th>
<th>Field Number</th>
<th>Field Format</th>
<th>Field Rounding</th>
<th>Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>County Yield Deviation(i)</td>
<td>Internal</td>
<td>9999999.99</td>
<td>Round to 2 decimals.</td>
<td>Yield(i) is the &quot;Yield Amount&quot; found in the ADM Historical Yield Trend, &quot;A01115&quot;.</td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>Internal</td>
<td>99999</td>
<td>Whole Number</td>
<td>Count of the yields in the APH database.</td>
<td></td>
</tr>
</tbody>
</table>

### Unit Yield Deviation(i)

\[ \text{Unit Yield Deviation}(i) = \text{Average Annual Yield}(i) - \text{Simple Average Annual Yield} \]

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Record Number</th>
<th>Field Number</th>
<th>Field Format</th>
<th>Field Rounding</th>
<th>Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit Yield Deviation(i)</td>
<td>Internal</td>
<td>9999999.99</td>
<td>Round to 2 decimals.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Cross Product(i)

\[ \text{Cross Product}(i) = \text{County Yield Deviation}(i) \times \text{Unit Yield Deviation}(i) \]

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Record Number</th>
<th>Field Number</th>
<th>Field Format</th>
<th>Field Rounding</th>
<th>Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross Product(i)</td>
<td>Internal</td>
<td>9999999.9999</td>
<td>Round to 4 decimals</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Squared County Deviation(i)

\[ \text{Squared County Deviation}(i) = \text{County Yield Deviation}(i) \times \text{County Yield Deviation}(i) \]

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Record Number</th>
<th>Field Number</th>
<th>Field Format</th>
<th>Field Rounding</th>
<th>Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Squared County Deviation(i)</td>
<td>Internal</td>
<td>9999999.9999</td>
<td>Round to 4 decimals</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Margin Protection (MP)**

<table>
<thead>
<tr>
<th>Calculations</th>
<th>Field Name</th>
<th>Record Number</th>
<th>Field Number</th>
<th>Field Format</th>
<th>Field Rounding</th>
<th>Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beta = ∑Cross Product(i) / ∑Squared County Deviation(i)</td>
<td>Beta</td>
<td>Internal</td>
<td>999999.9999</td>
<td>Round to 4 decimals</td>
<td>If calculated Beta &lt; 0.3 or if N &lt; 4, set Beta = 0.3 or if calculated Beta &gt; 1.6, set Beta = 1.6. Step 13 of Parameter Example Exhibit P15-6. Note: The sum of the cross product (∑Cross Product(i)) and the sum of the squared county deviation(∑Squared County Deviation(i)) should be rounded to 2 decimals before performing the beta calculation. When there are zero (0) yield years with an approved actual yield type for MP then the Beta, Alpha, Sigma are NOT calculated for the MP P11 and the MP P11 is treated as a standalone MP P11. Credit will = 1.</td>
<td></td>
</tr>
<tr>
<td>Alpha = Simple Average Annual Yield - Beta * Simple Average County Yield</td>
<td>Alpha</td>
<td>Internal</td>
<td>999999.9999</td>
<td>Round to 4 decimals</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Squared Yield Deviation(i) = [Average Annual Yield(i) - Alpha - Beta * Yield(i)]²</td>
<td>Squared Yield Deviation(i)</td>
<td>Internal</td>
<td>999999.9999</td>
<td>Round to 4 decimals</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sigma = [∑ᵢ₌₁,...,N Squared Yield Deviation(i) / (N-2)]₀.₅</td>
<td>Sigma</td>
<td>Internal</td>
<td>999999.9999</td>
<td>Round to 4 decimals</td>
<td>If N &lt; 4, Sigma = 0.</td>
<td></td>
</tr>
</tbody>
</table>

**Trigger Margin Calculation:**

<table>
<thead>
<tr>
<th>Trigger Margin</th>
<th>Field Name</th>
<th>Record Number</th>
<th>Field Number</th>
<th>Field Format</th>
<th>Field Rounding</th>
<th>Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trigger Margin = Expected Margin - [1 * (Expected Revenue * (1 - Coverage Level Percent))]</td>
<td>Trigger Margin</td>
<td>Internal</td>
<td>99999999.99</td>
<td>Round to 2 decimals.</td>
<td>Expected Margin found in the ADM Price, &quot;A00810&quot;.</td>
<td></td>
</tr>
<tr>
<td>Expected Margin</td>
<td>ADM</td>
<td>99999999.99</td>
<td>Round to 2 decimals.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Margin Protection (MP)

**Insurance Plan Code**
- 16 Margin Protection
- 17 Margin Protection with Harvest Price Option

<table>
<thead>
<tr>
<th>Commodity Code</th>
<th>0011 Wheat</th>
<th>0018 Rice</th>
<th>0041 Corn</th>
<th>0081 Soybeans</th>
</tr>
</thead>
</table>

#### Calculations

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Record Number</th>
<th>Field Number</th>
<th>Field Format</th>
<th>Field Rounding</th>
<th>Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Margin Draw</td>
<td>Internal</td>
<td>99999999.99</td>
<td>Round to 2 decimals.</td>
<td>Note: Starting in 2018, the 't' is defined as 60 and will increase by one each year.</td>
<td></td>
</tr>
<tr>
<td>n</td>
<td>ADM</td>
<td>99999999.99</td>
<td>None</td>
<td>Beginning in 2018 'n' is defined as 60 and will increase by one each year going forward.</td>
<td></td>
</tr>
<tr>
<td>Detrended Yield</td>
<td>ADM</td>
<td>9999999999.99</td>
<td>None</td>
<td>Do not make calculations if Detrended Yields = 0, skip to next value. Detrended Yield found in the ADM Historical Yield Trend, &quot;A01115&quot;.</td>
<td></td>
</tr>
<tr>
<td>Commodity Price Draw Quantity</td>
<td>ADM</td>
<td>9999999999.99</td>
<td>None</td>
<td>Commodity Price Draw Quantity found in the ADM Draw Data, &quot;A00615&quot;.</td>
<td></td>
</tr>
<tr>
<td>Input Cost Draw Quantity</td>
<td>ADM</td>
<td>9999.99999999</td>
<td>None</td>
<td>Input Cost Draw Quantity found in the ADM Draw Data, &quot;A00615&quot;.</td>
<td></td>
</tr>
</tbody>
</table>

**Counter = Counter + 1**

Counter | Internal | 99999999.99 | Whole Number | Counter is set = 0 to begin the simulation. Do not increment counter when any County Detrended Yield = 0 or missing from ADM data. |

When Insurance Plan Code Equals 16:

**MP Gross Indemnity**

\[
\text{MP Gross Indemnity} = \min(\max([\text{Trigger Margin} - \text{Margin Draw}(t,j),0] \times \text{Price Election Percent}, \text{Dollar Amount of Insurance}))
\]

MP Gross Indemnity Draw(t,j) | Internal | 99999999.99 | Round to 2 decimals. | Edit with ADM Price, "A00810". The Projected Price to be used in MP will be stored in Projected Price in "A00810" in the applicable record for either Insurance Plan Code 16 or 17. |

When Insurance Plan Code equals 17:

**Projected Price**

\[
\text{Projected Price} = \min(\max([\text{Coverage Level Percent} \times \text{Expected County Yield} \times \max([\text{Projected Price}, \text{Commodity Price Draw Quantity}(t,j)], 0] - \text{Expected Revenue} + \text{Expected Margin} - \text{Margin Draw}(t,j), 0] \times \text{Price Election Percent}, \text{Dollar Amount of Insurance}))
\]

Expected County Yield | ADM | 99999999.99 | None | Edit with ADM Price, 'A00810'. Expected County Yield = Expected Index Value. |

**MP Gross Indemnity**

\[
\text{MP Gross Indemnity} = \sum_{t=1}^{n} \sum_{j=1}^{100} [\text{MP Gross Indemnity Draw}(t,j)]
\]

MP Gross Indemnity | Internal | 99999999.99 | Round to 2 decimals. | Sum the MP Gross Indemnities for all iterations. |
### Farm Revenue Draw (t,j)

**Formula:**

\[
\text{Farm Revenue Draw}(t,j) = \text{Farm Yield Draw}(t,j) \times \text{Commodity Price Draw Quantity}(t,j)
\]

**Details:**

- **Format:** 99999999.99
- **Rounding:** Round to 2 decimals.

### Farm Deviation Quantity (j)

**Details:**

- **Format:** 99999999.9999
- **Rounding:** None

Farm Deviation Quantity (j) found in the ADM Draw Data, "A00615".

### Farm Yield Draw (t,j)

**Formula:**

\[
\text{Farm Yield Draw}(t,j) = \max(\alpha + \beta \times \text{Detrended Yield}(t) + \sigma \times \text{Farm Deviation Quantity}(j), 0)
\]

### Farm Revenue Draw (t,j)

**Formula:**

\[
\text{Farm Revenue Draw}(t,j) = \text{Farm Yield Draw}(t,j) \times \text{Commodity Price Draw Quantity}(t,j)
\]

### YP Indemnity Draw (t,j)

**Formula:**

\[
\text{YP Indemnity Draw}(t,j) = \text{Projected Price} \times \max(\text{Guarantee Per Acre} - \text{Farm Yield Draw}(t,j), 0)
\]

### RP Guarantee Draw (t,j)

**Formula:**

\[
\text{RP Guarantee Draw}(t,j) = \text{Guarantee Per Acre} \times \max(\text{Commodity Price Draw Quantity}(t,j), \text{Projected Price})
\]
## Margin Protection (MP)

### Calculations

**RP Indemnity Draw(t,j)**

\[ \text{RP Indemnity Draw}(t,j) = \text{MAX} (\text{RP Guarantee Draw}(t,j) - \text{Farm Revenue Draw}(t,j), 0) \]

- **Field Name**: RP Indemnity Draw(t,j)
- **Record Number**: Internal
- **Field Number**: 99999999.99
- **Field Rounding**: 2 decimal places

**RPHPE Indemnity Draw(t,j)**

\[ \text{RPHPE Indemnity Draw}(t,j) = \text{MAX} \{ \text{Guarantee Per Acre} \times \text{Projected Price} - \text{Farm Revenue Draw}(t,j), 0 \} \]

- **Field Name**: RPHPE Indemnity Draw(t,j)
- **Record Number**: Internal
- **Field Number**: 99999999.99
- **Field Rounding**: 2 decimal places

### Net Indemnities:

**YP Net Indemnity Draw(t,j)**

\[ \text{YP Net Indemnity Draw}(t,j) = \text{MAX} (\text{MP Gross Indemnity Draw}(t,j) - \text{YP Indemnity Draw}(t,j), 0) \]

- **Field Name**: YP Net Indemnity Draw(t,j)
- **Record Number**: Internal
- **Field Number**: 99999999.99
- **Field Rounding**: 2 decimal places

**RP Net Indemnity Draw(t,j)**

\[ \text{RP Net Indemnity Draw}(t,j) = \text{MAX} (\text{MP Gross Indemnity Draw}(t,j) - \text{RP Indemnity Draw}(t,j), 0) \]

- **Field Name**: RP Net Indemnity Draw(t,j)
- **Record Number**: Internal
- **Field Number**: 99999999.99
- **Field Rounding**: 2 decimal places

**RPHPE Net Indemnity Draw(t,j)**

\[ \text{RPHPE Net Indemnity Draw}(t,j) = \text{MAX} (\text{MP Gross Indemnity Draw}(t,j) - \text{RPHPE Indemnity Draw}(t,j), 0) \]

- **Field Name**: RPHPE Net Indemnity Draw(t,j)
- **Record Number**: Internal
- **Field Number**: 99999999.99
- **Field Rounding**: 2 decimal places

### Notes

- The Projected Price to be used in MP will be stored in Projected Price in "A00810" in the applicable record for either Insurance Plan Code 16 or 17.
- For Corn "0041" Type Silage "026", convert Approved Yield (measured in tons) to bushels by dividing by 0.15 and rounding to the nearest whole number.
### Calculations

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Record Number</th>
<th>Field Number</th>
<th>Field Format</th>
<th>Field Rounding</th>
<th>Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>YP Net Indemnity</td>
<td>Internal</td>
<td>99999999.99</td>
<td>2 decimal places</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RP Net Indemnity</td>
<td>Internal</td>
<td>99999999.99</td>
<td>2 decimal places</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RPHPE Net Indemnity</td>
<td>Internal</td>
<td>99999999.99</td>
<td>2 decimal places</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Gross Premium and Net Premium Per Acre on a 100% share basis:

- **Gross Premium** = \( \text{Round}(\text{Gross Premium Indemnity} / \text{Counter}, 2) \)
- **YP Net Premium Per Acre** = \( \text{Round}(\text{YP Net Indemnity} / \text{Counter}, 2) \)
- **RP Net Premium Per Acre** = \( \text{Round}(\text{RP Net Indemnity} / \text{Counter}, 2) \)
- **RPHPE Net Premium Per Acre** = \( \text{Round}(\text{RPHPE Net Indemnity} / \text{Counter}, 2) \)
**Exhibit Name:** Premium Calculation  
**Exhibit Number:** P11-13, Plans 16, 17  
**Record Name:** Acreage  
**Record Code:** P11  
**Reinsurance Year:** 2022  
**Version:** Draft  
**Release Date:** 9/2/2021

**Margin Protection (MP)**

<table>
<thead>
<tr>
<th>Insurance Plan Code</th>
<th>16 Margin Protection</th>
<th>17 Margin Protection with Harvest Price Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commodity Code</td>
<td>0011 Wheat</td>
<td>17 Margin Protection with Harvest Price Option</td>
</tr>
<tr>
<td></td>
<td>0018 Rice</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0041 Corn</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0081 Soybeans</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Calculations</th>
<th>Field Name</th>
<th>Record Number</th>
<th>Field Number</th>
<th>Field Format</th>
<th>Field Rounding</th>
<th>Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base (Companion) Policy Credit and MP Net Premium:</td>
<td>YP Base Policy Credit = Gross Premium - YP Net Premium Per Acre</td>
<td>YP Base Policy Credit</td>
<td>Internal</td>
<td>999999999.99</td>
<td>2 decimal places</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RP Base Policy Credit = Gross Premium - RP Net Premium Per Acre</td>
<td>RP Base Policy Credit</td>
<td>Internal</td>
<td>999999999.99</td>
<td>2 decimal places</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RPHPE Base Policy Credit = Gross Premium - RPHPE Net Premium Per Acre</td>
<td>RPHPE Base Policy Credit</td>
<td>Internal</td>
<td>999999999.99</td>
<td>2 decimal places</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Preliminary MP Net Premium = Base Rate * Price Election Percent - (YP Base Policy Credit, RP Base Policy Credit, or RPHPE Base Policy Credit)</td>
<td>Preliminary MP Net Premium</td>
<td>Internal</td>
<td>999999999.99</td>
<td>2 decimal places</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Base Rate</td>
<td>ADM</td>
<td>999999999.99</td>
<td>None</td>
<td>Base Rate is Margin Protection Premium Amount Per Acre. Edit with ADM Area Rate, &quot;A01135&quot; and ADM Area Coverage Level, &quot;A01130&quot;. Use Sections 3 and 4 when base (companion) record does not have qualifying information for MP Net Premium.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Base Policy Total Premium Amount</td>
<td>P11</td>
<td>102</td>
<td>999999999.99</td>
<td>2 decimal places</td>
<td>Edit with YP, RP, RPHPE Total Premium Amount from P11 Insurance Plan Code 01, 02, or 03.</td>
</tr>
<tr>
<td></td>
<td>Base Policy Premium</td>
<td>Internal</td>
<td>93</td>
<td>999999999.99</td>
<td>2 decimal places</td>
<td>Converts Base Policy Total Premium to dollars per 100 percent share acre.</td>
</tr>
<tr>
<td></td>
<td>MP Net Premium = MAX(Preliminary MP Net Premium, 0.50, 0.30 * Base Rate * Price Election Percent , (Base Rate * Price Election Percent) - (0.70 * Base Policy Premium))</td>
<td>MP Net Premium</td>
<td>Internal</td>
<td>999999999.99</td>
<td>2 decimal places</td>
<td>0.50 = 50 cent minimum cost per acre 0.30 * Base Rate * Price Election Percent limits subsidy to 70% of the calculated amount (Base Rate * Price Election Percent) - (0.70 * Base Policy Premium) limits credit to 70% of the premium per acre of the base policy.</td>
</tr>
</tbody>
</table>

**Section 5: Total Premium, Subsidy, and Producer Premium Calculation for MP Policies with Base (Companion) Policy:**

<table>
<thead>
<tr>
<th>Calculations</th>
<th>Field Name</th>
<th>Record Number</th>
<th>Field Number</th>
<th>Field Format</th>
<th>Field Rounding</th>
<th>Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preliminary Total Premium Amount = Reported Acreage * MP Net Premium * Insured Share Percent</td>
<td>Preliminary Total Premium Amount</td>
<td>Internal</td>
<td>99999999999</td>
<td>Round to whole number.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Premium Amount = Preliminary Total Premium Amount</td>
<td>Total Premium Amount</td>
<td>P11</td>
<td>102</td>
<td>99999999999</td>
<td>Round to whole number.</td>
<td>If this record qualifies for Beginning Farmer and Rancher or Native Sod, see Section 4 for subsidy calculations.</td>
</tr>
<tr>
<td>Subsidy Amount = Total Premium Amount * Subsidy Percent</td>
<td>Subsidy Amount</td>
<td>P11</td>
<td>100</td>
<td>99999999999</td>
<td>Round to whole number.</td>
<td>Edit with ADM Subsidy Percent, &quot;A00070&quot;.</td>
</tr>
<tr>
<td>Producer Premium Amount = Total Premium Amount - Subsidy Amount</td>
<td>Producer Premium Amount</td>
<td>P11</td>
<td>103</td>
<td>99999999999</td>
<td>Round to whole number.</td>
<td></td>
</tr>
</tbody>
</table>
## Section 6: Beginning Farmer and Rancher (BFR), Veteran Farmer Rancher (VFR), Native Sod (NS), and Conservation Compliance (CC) Subsidy Calculations

### Base Subsidy Amount
- \[ \text{Base Subsidy Amount} = \text{Total Premium Amount} \times \text{Subsidy Percent} \]
- Field Name: Base Subsidy Amount, Record Number: Internal
- Format: 9999999999
- Rounding: Round to whole number
- Cupped by the standard rule of $1 if applicable.

### CC Subsidy Reduction Percent
- \[ \text{CC Subsidy Reduction Percent} = \text{BFR/VFR Subsidy Amount} \times \text{CC Subsidy Reduction Percent} \]
- Field Name: CC Subsidy Reduction Percent, Record Number: P11, Field Number: 76
- Format: 9999999999
- Rounding: Round to whole number
- Beginning Farmer Rancher/Veteran Farmer Rancher Subsidy Amount. If Applicable; else 0.

### Native Sod Subsidy Amount
- \[ \text{Native Sod Subsidy Amount} = \text{Total Premium Amount} \times 0.50 \]
- Field Name: Native Sod Subsidy Amount, Record Number: Internal
- Format: 9999999999
- Rounding: Round to whole number
- If Applicable; else 0. 0.50 (50%). For CAT coverage, Native Sod Subsidy Amount is always 0.

### CC Subsidy Reduction Amount
- \[ \text{CC Subsidy Reduction Amount} = \text{Base Subsidy Amount} \times \text{CC Subsidy Reduction Percent} \]
- Field Name: CC Subsidy Reduction Amount, Record Number: P11, Field Number: 118
- Format: 9999999999
- Rounding: Round to whole number
- CC Subsidy Reduction Amount. If Applicable; else 0.

### Subsidy Amount
- \[ \text{Subsidy Amount} = \text{Base Subsidy Amount} + \text{BFR/VFR Subsidy Amount} - \text{Native Sod Subsidy Amount} - \text{CC Subsidy Reduction Amount} \]
- Field Name: Subsidy Amount, Record Number: P11, Field Number: 100
- Format: 9999999999
- Rounding: Round to whole number
- Subsidy Amount cannot exceed Total Premium Amount. Subsidy Amount will be cupped at $0.

### Producer Premium Amount
- \[ \text{Producer Premium Amount} = \text{Total Premium Amount} - \text{Subsidy Amount} \]
- Field Name: Producer Premium Amount, Record Number: P11, Field Number: 103
- Format: 9999999999
- Rounding: Round to whole number