### Section 1: Liability Calculation

<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>Dollar Amount of Insurance</td>
<td>P11</td>
<td>99</td>
<td>99999999.99</td>
<td>Round to whole number</td>
<td>Dollar Amount of Insurance equals Catastrophic Dollar Amount, ADM Price &quot;A00810&quot; when Coverage Type equals Catastrophic, &quot;C&quot;.</td>
</tr>
<tr>
<td>Dollar Amount of Insurance</td>
<td>P11</td>
<td>99</td>
<td>99999999.99</td>
<td>Round to whole number</td>
<td>Dollar Amount of Insurance equals Round(Reference Maximum Dollar Amount * Coverage Level Percent, 0) when Coverage Type equals Additional, &quot;A&quot;.</td>
</tr>
<tr>
<td>Dollar Amount of Insurance</td>
<td>P11</td>
<td>99</td>
<td>99999999.99</td>
<td>Round to whole number</td>
<td>If Dollar Amount of Insurance &gt; Maximum Dollar Amount, ADM Price &quot;A00810&quot; then Maximum Dollar Amount.</td>
</tr>
<tr>
<td>Reference Maximum Dollar Amount</td>
<td>ADM</td>
<td>None</td>
<td>999999.99</td>
<td>Edit With ADM Price, &quot;A00810&quot;.</td>
<td></td>
</tr>
<tr>
<td>Coverage Level Percent</td>
<td>P14</td>
<td>34</td>
<td>9.999</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Acre Guarantee Quantity</td>
<td>P11</td>
<td>100</td>
<td>99999999.99</td>
<td>Round to whole number</td>
<td>Acre Guarantee Quantity = Dollar Amount of Insurance.</td>
</tr>
<tr>
<td>Total Guarantee Amount</td>
<td>P11</td>
<td>97</td>
<td>99999999.99</td>
<td>Round to whole number</td>
<td>Total Guarantee Amount = Acre Guarantee Quantity * Reported Acreage.</td>
</tr>
<tr>
<td>Reported Acreage</td>
<td>P11</td>
<td>52</td>
<td>999999.99</td>
<td>None</td>
<td>Reported Acreage must equal the sum of all Land, P27, Reported Acreage.</td>
</tr>
<tr>
<td>Liability Amount</td>
<td>P11</td>
<td>88</td>
<td>999999999999</td>
<td>Round to whole number</td>
<td>Liability Amount = Total Guarantee Amount * Insured Share Percent.</td>
</tr>
<tr>
<td>Insured Share Percent</td>
<td>P11</td>
<td>47</td>
<td>9.999</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>
### Section 2: Base Premium Rate Calculation

**Base Premium Rate**

- **When Rate Method Code equals Fixed Rate, “F”:**
  - Sub County Rate * Rate Differential Factor
  - Field Name: Base Premium Rate
  - Record Number: Internal
  - Field Format: 999999.999999
  - Field Rounding: Round to 8 decimals.

- **When Rate Method Code equals Additive, “A”:**
  - (Sub County Rate + Base Rate) * Rate Differential Factor
  - Field Name: Sub County Rate
  - Record Number: ADM
  - Field Format: 9.9999
  - Field Rounding: None
  - Rules: Edit with ADM Sub County Rate, "A01050".

- **When Rate Method Code equals Multiplicative, “M”:**
  - Sub County Rate * Base Rate * Rate Differential Factor
  - Field Name: Base Rate
  - Record Number: ADM
  - Field Format: 999.9999
  - Field Rounding: None
  - Rules: Edit with ADM Base Rate, "A01010".

- **Otherwise:**
  - Base Rate * Rate Differential Factor
  - Field Name: Rate Differential Factor
  - Record Number: ADM
  - Field Format: 9.99999999
  - Field Rounding: None
  - Rules: Edit with ADM Coverage Level Differential, "A01040".

### Section 3: Optional Coverage Calculation

**Additive Optional Rate Adjustment Factor**

- **When Rate Method Code is Additive, “A”:**
  - ∑ Option Rate * Rate Differential Factor
  - Field Name: Additive Optional Rate Adjustment Factor
  - Record Number: Internal
  - Field Format: 999999.9999
  - Field Rounding: Round to 4 decimals.

  - Option Rate
    - Field Name: Option Rate
    - Record Number: ADM
    - Field Format: 999999.9999
    - Field Rounding: None
  
  - Rate Differential Factor
    - Field Name: Rate Differential Factor
    - Record Number: ADM
    - Field Format: 99999999
    - Field Rounding: None

  Rules: Option Rate will be the Sum of all Option Rate with Rate Method Code equal to Additive, “A”. Edit with ADM Option Rate, "A01060".

**Multiplicative Optional Rate Adjustment Factor**

- **When Rate Method Code is Multiplicative, “M”:**
  - ∑ Option Rate1 * Option Rate2 * Option Rate3...

  - Field Name: Multiplicative Optional Rate Adjustment Factor
  - Record Number: Internal
  - Field Format: 999999.9999
  - Field Rounding: Round to 4 decimals.

  - Option Rate
    - Field Name: Option Rate
    - Record Number: ADM
    - Field Format: 9.9999
    - Field Rounding: None

  Rules: Edit with ADM Option Rate, "A01060".
### Section 4: Premium Rate Calculation

<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>Premium Rate</td>
<td>Internal</td>
<td>9999999999.99999999</td>
<td>Round to 8 decimals.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unit Structure Discount Factor</td>
<td>ADM</td>
<td>9.99</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Edit with ADM Unit Discount, &quot;A01090&quot;. When Unit Structure Code equals &quot;OU&quot;, &quot;UA&quot;, or &quot;UD&quot;, then Unit Structure Discount Factor equals Optional Unit Discount Factor. When Unit Structure Code equals &quot;BU&quot;, then Unit Structure Discount Factor equals Basic Unit Discount Factor.</td>
</tr>
</tbody>
</table>

The Premium Rate for ALL Unit Structures should be capped at .999 in the event various adjustments to the Base Premium Rate would cause it to exceed 1.0.

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

<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>Preliminary Total Premium Amount</td>
<td>Internal</td>
<td>9999999999</td>
<td>Round to whole number</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Premium Amount</td>
<td>P11 89</td>
<td>9999999999</td>
<td>Round to whole number</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multiple Commodity Adjustment Factor</td>
<td>ICE</td>
<td>9999.99</td>
<td>None</td>
<td></td>
<td>Edit with ICE Multiple Cropping, &quot;D00063&quot;.</td>
</tr>
<tr>
<td>Subsidy Amount</td>
<td>P11 87</td>
<td>9999999999</td>
<td>Round to whole number</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Subsidy Percent</td>
<td>ADM 9.99</td>
<td>None</td>
<td></td>
<td></td>
<td>Edit with ADM Subsidy Percent, &quot;A00070&quot;.</td>
</tr>
<tr>
<td>Producer Premium Amount</td>
<td>P11 90</td>
<td>9999999999</td>
<td>Round to whole number</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Preliminary Total Premium Amount = Liability Amount * Premium Rate
Total Premium Amount = Preliminary Total Premium Amount * Multiple Commodity Adjustment Factor
Subsidy Amount = Total Premium Amount * Subsidy Percent
Producer Premium Amount = Total Premium Amount - Subsidy Amount