### Section 1: Indemnity Calculation

#### Expense Percentage

- **Field Name:** Expense Percentage
- **Record Number:** P23
- **Field Number:** 40
- **Field Format:** 9.999
- **Field Rounding:** Round to 3 decimal

The Expense Percentage is calculated as

\[
\text{Expense Percentage} = \frac{\text{Allowable Expenses Insurance Year Amount}}{\text{Approved Expense Amount}}
\]

If the result of dividing Expense Insurance Year Amount by Approved Expense Amount is greater than 0.700 then Expense Percentage will default to 1.000. If Micro Farm, "9110", then Expense Percentage will default to 1.000.

#### Allowable Expenses Insurance Year Amount

- **Field Name:** Allowable Expenses Insurance Year Amount
- **Record Number:** P23
- **Field Number:** 17
- **Field Format:** 9999999999
- **Field Rounding:** None

#### Approved Expenses Amount

- **Field Name:** Approved Expenses Amount
- **Record Number:** P19
- **Field Number:** 70
- **Field Format:** 9999999999
- **Field Rounding:** None

#### Expense Reduction Factor

- **Field Name:** Expense Reduction Factor
- **Record Number:** Internal
- **Field Number:** 0.999
- **Field Format:** None
- **Field Rounding:** Round to 3 decimal

The Expense Reduction Factor is calculated as

\[
\text{Expense Reduction Factor} = 1 - (0.700 - \text{Expense Percentage})
\]

If Expense Percentage defaulted to 1.000 then Expense Reduction Factor will be set to 1.000.

#### Adjusted Revenue Amount

- **Field Name:** Adjusted Revenue Amount
- **Record Number:** P23
- **Field Number:** 42
- **Field Format:** 9999999999
- **Field Rounding:** Round to whole number

The Adjusted Revenue Amount is calculated as

\[
\text{Adjusted Revenue Amount} = \text{Expense Reduction Factor} \times \text{AIP Approved Revenue Amount}
\]

#### AIP Approved Revenue Amount

- **Field Name:** AIP Approved Revenue Amount
- **Record Number:** P19
- **Field Number:** 24
- **Field Format:** 9999999999
- **Field Rounding:** None

#### Loss Guarantee Amount

- **Field Name:** Loss Guarantee Amount
- **Record Number:** P23
- **Field Number:** 37
- **Field Format:** 99999999.99
- **Field Rounding:** Round to whole number

The Loss Guarantee Amount is calculated as

\[
\text{Loss Guarantee Amount} = \text{Adjusted Revenue Amount} \times \text{Coverage Level Percent}
\]

#### Coverage Level Percent

- **Field Name:** Coverage Level Percent
- **Record Number:** P14
- **Field Number:** 34
- **Field Format:** 9.999
- **Field Rounding:** None

#### Revenue to Count Amount

- **Field Name:** Revenue to Count Amount
- **Record Number:** P23
- **Field Number:** 43
- **Field Format:** 9999999999
- **Field Rounding:** Round to whole number

The Revenue to Count Amount is calculated as

\[
\text{Revenue to Count Amount} = \text{Allowable Revenue Insurance Year Amount} \pm \text{Inventory Adjustment Amount} \pm \text{Accounts Receivable Adjustment Amount} \pm \text{Market Animal and Nursery Adjustment Amount} \pm \text{All Other Adjustment Amount}
\]

#### Unit Deficiency Quantity

- **Field Name:** Unit Deficiency Quantity
- **Record Number:** P23
- **Field Number:** 36
- **Field Format:** 9999999999
- **Field Rounding:** Round to whole number

The Unit Deficiency Quantity is calculated as

\[
\text{Unit Deficiency Quantity} = \text{Loss Guarantee Amount} - \text{Revenue to Count Amount}
\]

#### Preliminary Indemnity Amount

- **Field Name:** Preliminary Indemnity Amount
- **Record Number:** P23
- **Field Number:** 38
- **Field Format:** 9999999999
- **Field Rounding:** Round to whole number

The Preliminary Indemnity Amount is calculated as

\[
\text{Preliminary Indemnity Amount} = \text{Unit Deficiency Quantity}
\]

#### Indemnity Amount

- **Field Name:** Indemnity Amount
- **Record Number:** P23
- **Field Number:** 39
- **Field Format:** 9999999999
- **Field Rounding:** Round to whole number

The Indemnity Amount is calculated as

\[
\text{Indemnity Amount} = \text{Preliminary Indemnity Amount}
\]
<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><strong>Section 2: Replant Payment Guarantee Calculation</strong></td>
<td>Acre Stage Guarantee Amount</td>
<td>P23A</td>
<td>15</td>
<td>999999999.99</td>
<td>Round to 2 decimal places.</td>
<td></td>
</tr>
<tr>
<td>When Stage Code equals: Replant, &quot;R&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lesser of:</td>
<td>Actual Replant Cost</td>
<td>P23A</td>
<td>10</td>
<td>9999.99</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Or</td>
<td>Intended Yield</td>
<td>P19A</td>
<td>10</td>
<td>999999999.99</td>
<td>Use Intended Yield if Revised Yield is not available.</td>
<td></td>
</tr>
<tr>
<td>Acre Stage Guarantee Amount = Round((Intended Yield or Revised Yield) * (Intended Expected Value Amount or Revised Expected Value Amount),2) * 0.20 * Coverage Level Percent</td>
<td>Revised Yield</td>
<td>P19A</td>
<td>18</td>
<td>999999999.99</td>
<td>Use Intended Expected Value Amount if Revised Expected Value Amount is not available.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Intended Expected Value Amount</td>
<td>P19A</td>
<td>12</td>
<td>9999999999</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Revised Expected Value Amount</td>
<td>P19A</td>
<td>20</td>
<td>99999999999</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Coverage Level Percent</td>
<td>P14</td>
<td>34</td>
<td>9.9999</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td><strong>Section 3: Replant Payment Loss Guarantee Calculation</strong></td>
<td>Loss Guarantee Amount</td>
<td>Internal</td>
<td>999999999.99</td>
<td>Round to whole number.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Determined Acreage</td>
<td>P23A</td>
<td>11</td>
<td>999999999.99</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Section 4: Replant Payment Indemnity Calculation</strong></td>
<td>Indemnity Detail Amount</td>
<td>P23A</td>
<td>16</td>
<td>999999999999</td>
<td>Round to whole number.</td>
<td></td>
</tr>
<tr>
<td>Indemnity Detail Amount = Loss Guarantee Amount * Insured Share Percent</td>
<td>Insured Share Percent</td>
<td>P23A</td>
<td>12</td>
<td>9.9999</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indemnity Amount = sum of Indemnity Detail Amount</td>
<td>Indemnity Amount</td>
<td>P23</td>
<td>39</td>
<td>999999999999</td>
<td>Round to whole number.</td>
<td></td>
</tr>
</tbody>
</table>