### Indemnity Calculations

**Exhibit Name:** Indemnity Calculations  
**Exhibit Number:** P21-13, Plans 16 & 17  
**Record Name:** Acreage Claim  
**Record Code:** P21  
**Reinsurance Year:** 2022  
**Version:** Approved  
**Release Date:** 7/1/2021

<table>
<thead>
<tr>
<th>Commodity Code</th>
<th>Insurance Plan Code</th>
<th>Record Code</th>
<th>Release Date</th>
<th>Record Name</th>
<th>Version</th>
<th>Reinsurance Year</th>
<th>Exhibit Number</th>
<th>Exhibit Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>0011 Wheat</td>
<td>16</td>
<td>P21</td>
<td>7/1/2021</td>
<td>Acreage Claim</td>
<td>Approved</td>
<td>2022</td>
<td>P21-13</td>
<td>Indemnity Calculations</td>
</tr>
<tr>
<td>0018 Rice</td>
<td>17</td>
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<td>P21-13</td>
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<td>17</td>
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<td>P21-13</td>
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<td>17</td>
<td>P21</td>
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### Calculations

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<thead>
<tr>
<th>Field Name</th>
<th>Field Number</th>
<th>Field Format</th>
<th>Field Rounding</th>
<th>Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trigger Margin Amount</td>
<td>9</td>
<td>ADM</td>
<td>99999999.99</td>
<td>Round to 2 decimals</td>
</tr>
<tr>
<td>Expected Margin Amount</td>
<td>9</td>
<td>ADM</td>
<td>99999999.99</td>
<td>Round to 2 decimals</td>
</tr>
<tr>
<td>Coverage Level Percent</td>
<td>14</td>
<td>34</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Expected Revenue Amount</td>
<td>9</td>
<td>ADM</td>
<td>99999999.99</td>
<td>Round to 2 decimals</td>
</tr>
</tbody>
</table>

#### Section 1: Stage Guarantee Calculation

**Trigger Margin Amount** = Expected Margin Amount - ([Expected Revenue Amount] * (1.00 - Coverage Level Percent))

**Expected County Yield** = MAX(Projected Price, Harvest Price) - (Expected Revenue Amount - Expected Margin Amount) - [Expected County Yield * MAX(Projected Price, Harvest Price)] * (1 - Coverage Level Percent)

For Both Plans:

**Acre Stage Guarantee Amount** = MAX(Trigger Margin Amount - Final Margin Amount, 0)

### Section 2: Loss Guarantee Calculation

**Loss Guarantee Amount** = MIN(Dollar Amount of Insurance, Acre Stage Guarantee Amount * Price Election Percent) * Determined Acreage * Insured Share Percent * Liability Adjustment Factor

- **Dollar Amount of Insurance**
  - P21 60: 99999999.99
  - Internal
- **Determined Acreage**
  - P21 18: 99999999.99
  - Internal
- **Insured Share Percent**
  - P11 43: 9.9999
  - None
- **Price Election Percent**
  - P14 35: 9.9999
  - 2 decimal places
- **Liability Adjustment Factor**
  - P21 39: 9.9999
  - None

**Protection Factor:** This will be the Price Election Percent reported on the P14 and used in determination of P11 Dollar Amount of Insurance. If Native Sod applies to the associated P11 record, the Price Election Percent MUST equal 0.65 (65%).
## Section 3: Indemnity Calculation

### With Base (companion) policy (all unit structures):

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<tbody>
<tr>
<td>Preliminary Indemnity Amount</td>
<td>P21</td>
<td>62</td>
<td>S99999999</td>
<td>Round to whole number</td>
<td>This value is read in from the Base Policy's P21 record, Field Number 63. When there is no base policy claim, please treat the &quot;Base (Companion) Policy Preliminary Indemnity Amount&quot; as a 0.</td>
</tr>
<tr>
<td>Loss Guarantee Amount</td>
<td>Internal</td>
<td>S9999999999</td>
<td>Round to whole number</td>
<td>Amounts paid on the base policy for stage codes P2, PF, PT, R or P are not included in the MP indemnity calculation. If the base policy claim lines that are eligible to be included in the margin unit sum up to a negative number (after excluding uninsurable base policy acreage), then treat the &quot;Base (Companion) Policy Preliminary Indemnity Amount&quot; as a 0.</td>
<td></td>
</tr>
<tr>
<td>Base (Companion) Policy Preliminary Indemnity Amount</td>
<td>P21</td>
<td>63</td>
<td>S9999999999</td>
<td>Round to whole number</td>
<td>When Total Preliminary Indemnity is less than or equal to 0:</td>
</tr>
<tr>
<td>Indemnity Amount</td>
<td>P21</td>
<td>63</td>
<td>S9999999999</td>
<td>Round to whole number</td>
<td>When the Total Preliminary Indemnity for the Margin Unit is 0 or less, then no indemnity is due and all lines within the Margin Unit can be treated as a 0.</td>
</tr>
<tr>
<td>Total Preliminary Indemnity</td>
<td>Internal</td>
<td>S9999999999</td>
<td>Round to whole number</td>
<td>The Indemnity Amount on an individual line within a Margin Unit can potentially be negative when the Total Preliminary Indemnity is positive for the Margin Unit.</td>
<td></td>
</tr>
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**Calculations**

- **Final Dollar Amount of Insurance**
  
  \[
  \text{Final Dollar Amount of Insurance} = \max(\text{Projected Price, Harvest Price}) \times \text{Expected County Yield} \times \text{Coverage Level Percent} \times \text{Price Election Percent} 
  \]

- **Loss Guarantee Amount**
  
  \[
  \text{Loss Guarantee Amount} = \min(\text{Final Dollar Amount of Insurance, Acre Stage Guarantee Amount} \times \text{Price Election Percent}) \times \text{Determined Acreage} \times \text{Insured Share Percent} \times \text{Liability Adjustment Factor} 
  \]

- **Preliminary Indemnity Amount**
  
  \[
  \text{Preliminary Indemnity Amount} = \text{Loss Guarantee Amount} - \text{Base (Companion) Policy Preliminary Indemnity Amount} 
  \]

- **Total Preliminary Indemnity**
  
  \[
  \text{Total Preliminary Indemnity} = \sum \text{Preliminary Indemnity for the Margin Unit} 
  \]
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<td>$9999999999</td>
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*Without Base (companion) policy:*