## Indemnity Calculations

### Exhibit Name:
Indemnity Calculations

### Exhibit Number:
P21-2, Plan 02 & 03

### Record Name:
Acreage Claim

### Record Code:
P21

### Reinsurance Year:
2020

### Version:
Approved

### Release Date:
12/20/2019

#### Insurance Plan Code
- 02 Revenue Protection
- 03 Revenue Protection with Harvest Price Exclusion

#### Commodity Code
- 0011 Wheat
- 0015 Canola
- 0018 Rice
- 0021 Cotton
- 0041 Corn
- 0043 Popcorn
- 0051 Grain Sorghum
- 0067 Dry Peas
- 0075 Peanuts
- 0078 Sunflowers
- 0081 Soybeans
- 0091 Barley
- 0047 Dry Beans
- 0043 Popcorn
- 0067 Dry Peas
- 0081 Soybeans
- 0091 Barley

## 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>Guarantee Per Acre1</td>
<td>P11</td>
<td>42</td>
<td>99999999.99</td>
<td>None</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>
</tbody>
</table>

### Section 1: Stage Guarantee Calculation

**Guarantee Per Acre1 = Approved Yield * Coverage Level Percent**

- **Approved Yield**
- **Coverage Level Percent**

### Cottonseed Endorsement Option "SE":

**Modified Yield = Approved Yield * Option Conversion Factor**

- **Modified Yield**
- **Approved Yield**
- **Option Conversion Factor ADM**

**Guarantee Per Acre2 = Guarantee per Acre1 * Guarantee Adjustment Factor**

- **Guarantee Per Acre2**
- **Guarantee Adjustment Factor**

---

Guarantee Per Acre1 should be rounded to whole pounds for Dry Beans, "0047" (all types), and Dry Peas, "0067" (all types).

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Guarantee Per Acre2 should be rounded to whole pounds for Dry Beans, "0047" (all types), and Dry Peas, "0067" (all types).
<table>
<thead>
<tr>
<th>Insurance Plan Code</th>
<th>Commodity Code</th>
<th>Calculations</th>
</tr>
</thead>
<tbody>
<tr>
<td>02 Revenue Protection</td>
<td>0011 Wheat</td>
<td>Revenue Protection, &quot;02&quot;, Price Election Amount Calculation:</td>
</tr>
<tr>
<td></td>
<td>0015 Canola</td>
<td>When Commodity Code equals Canola, &quot;0015&quot;, Rice, &quot;0018&quot;, Sunflowers, &quot;0078&quot;, or Cottonseed, &quot;0021&quot; (Option 'SE'); round to nearest one-hundredth cent ([9.9999]). If result is based on Contract Price for specialty type Canola; round to nearest hundredth cent ([9.9999]).</td>
</tr>
<tr>
<td></td>
<td>0018 Rice</td>
<td>When Commodity Code equals Popcorn, &quot;0043&quot;, Dry Beans, &quot;0047&quot;, or Dry Peas, &quot;0067&quot; round to nearest one-hundredth cent ([9.9999]).</td>
</tr>
</tbody>
</table>
|                     | 0041 Corn | Price Election Amount Internal 9999.999
|                     | 0043 Popcorn | Price Election Amount Greater of Projected Price (or Contract Price if applicable) or Harvest Price * Price Election Percent
|                     | 0047 Dry Beans | Price Election Amount

### Contract Price

<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>Projected Price</td>
<td>ADM</td>
<td>9999.999</td>
<td>None</td>
<td>Edit with ADM Price, &quot;A00810&quot;.</td>
<td></td>
</tr>
<tr>
<td>Contract Price</td>
<td>P11</td>
<td>46</td>
<td>9999.999</td>
<td>None</td>
<td>Contract Price that was submitted on P11 (capped with Max Contract Price from ADM).</td>
</tr>
<tr>
<td>Harvest Price</td>
<td>Internal</td>
<td>9999.999</td>
<td>None</td>
<td>Edit with ADM Price, &quot;00810&quot;. If Contract Price was submitted on the P11 then Harvest Price will be adjusted by difference between Projected Price and Contract Price.</td>
<td></td>
</tr>
<tr>
<td>Price Election Percent</td>
<td>ICE</td>
<td>9.999</td>
<td>None</td>
<td>Price Election Percent would equal 1.00 when insurance Plan Code &quot;02&quot;.</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>Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revenue Protection with Harvest Price Exclusion, &quot;03&quot;, Price Election Amount Calculation:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Price Election Amount</td>
<td>Internal</td>
<td>9999.9999</td>
<td></td>
<td>When Commodity Code equals Barley, &quot;0091&quot;, Corn, &quot;0041&quot;, Cotton, &quot;0021&quot;, Grain Sorghum, &quot;0051&quot;, Soybeans, &quot;0081&quot; or Wheat, &quot;0011&quot;; round to nearest whole cent ($9.99). If result is based on Contract Price for specialty type Canola, Soybeans or Barley, round to nearest one hundredth cent ($9.9999).</td>
</tr>
<tr>
<td>Projected Price</td>
<td>ADM</td>
<td>9999.9999</td>
<td>None</td>
<td>Edit with ADM Price, &quot;A00810&quot;.</td>
</tr>
<tr>
<td>Contract Price</td>
<td>P11</td>
<td>46</td>
<td>9999.9999</td>
<td>None</td>
</tr>
<tr>
<td>Price Election Percent</td>
<td>ICE</td>
<td>9.9999</td>
<td>None</td>
<td>Price Election Percent would equal 1.00 when Insurance Plan Code equals &quot;03&quot;.</td>
</tr>
</tbody>
</table>
### Section 2: Loss Guarantee 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></td>
<td>Determined Acreage</td>
<td>P21</td>
<td>18</td>
<td>99999999.99</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Liability Adjustment Factor</td>
<td>P21</td>
<td>39</td>
<td>9.999999</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Revenue Conversion Production to Count</td>
<td>Revenue Conversion Production to Count</td>
<td>P21</td>
<td>45</td>
<td>99999999.99</td>
<td>Round to nearest dollar and cents.</td>
<td></td>
</tr>
<tr>
<td>Production to Count Quantity</td>
<td>Production to Count Quantity</td>
<td>P21</td>
<td>34</td>
<td>99999999.99</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Section 3: Indemnity 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>Unit Deficiency Quantity = Revenue Conversion Production to Count</td>
<td>Unit Deficiency Quantity</td>
<td>P21</td>
<td>59</td>
<td>99999999.99</td>
<td>Round to nearest dollar and cents.</td>
<td></td>
</tr>
<tr>
<td>Preliminary Indemnity Amount = Unit Deficiency Quantity * Insured Share Percent</td>
<td>Preliminary Indemnity Amount</td>
<td>P21</td>
<td>62</td>
<td>9999999999</td>
<td>Round to whole number.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Insured Share Percent</td>
<td>P11</td>
<td>43</td>
<td>9.999</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Indemnity Amount = Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor</td>
<td>Indemnity Amount</td>
<td>P21</td>
<td>63</td>
<td>9999999999</td>
<td>Round to whole number.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Multiple Commodity Adjustment Factor</td>
<td>ICE</td>
<td></td>
<td>9999.999</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Total Indemnity = Indemnity Amount for the Unit</td>
<td>Total Indemnity</td>
<td>Internal</td>
<td></td>
<td>9999999999</td>
<td>Round to whole number.</td>
<td></td>
</tr>
</tbody>
</table>

*Edit with ADM Price, "00810". If Contract Price was submitted on the P11 then Harvest Price will be adjusted by difference between Projected Price and Contract Price. If Harvest Price has not been released for revenue Protection, "02", the Projected Price or Contract Price (whichever applies) can be used for validation of Revenue to Count.*
## 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>Guaranteed Per Acre1 = Approved Yield * Coverage Level Percent</td>
<td></td>
<td></td>
<td>99999999.99</td>
<td>None</td>
<td>When Unit of Measure equals Pounds, &quot;LBS&quot;, then round to whole number. Common Crop Insurance Policy 'production guarantee (per acre)'. Guarantee Per Acre1 should be rounded to whole pounds for Dry Beans, &quot;0047&quot; (all types), and Dry Peas, &quot;0067&quot; (all types).</td>
</tr>
<tr>
<td>Approved Yield</td>
<td>P11</td>
<td>42</td>
<td>99999999.99</td>
<td>None</td>
<td>When Stage Code equals Replanted, &quot;R&quot;, guarantee per acre.</td>
</tr>
<tr>
<td>Coverage Level Percent</td>
<td>P14</td>
<td>34</td>
<td>9.9999</td>
<td>None</td>
<td>When Stage Code equals Replanted, &quot;R&quot;, guarantee per acre.</td>
</tr>
<tr>
<td>Guaranteed Per Acre2 = Guarantee per Acre1 * Guarantee Adjustment Factor</td>
<td></td>
<td></td>
<td>99999999.99</td>
<td>None</td>
<td>When Stage Code equals Replanted, &quot;R&quot;, guarantee per acre. Guarantee Per Acre2 should be rounded to whole pounds for Dry Beans, &quot;0047&quot; (all types), and Dry Peas, &quot;0067&quot; (all types).</td>
</tr>
<tr>
<td>Guarantee Adjustment Factor</td>
<td>P11</td>
<td>69</td>
<td>0.999</td>
<td>None</td>
<td>When Stage Code equals Replanted, &quot;R&quot;, guarantee per acre.</td>
</tr>
<tr>
<td>Commodity Code</td>
<td>Insurance Plan Code</td>
<td>Calculations</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------------</td>
<td>---------------------</td>
<td>-------------------------------------------------------------------------------</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 0011 Wheat     | 02 Revenue Protection | Acre Stage Guarantee Amount = Max Replant Guarantee Per Acre * Price Election Amount |}

### Commodity Code not equal Dry Beans, "0047" or Peanuts, "0075":

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Record Number</th>
<th>Field Number</th>
<th>Field Format</th>
<th>Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acre Stage Guarantee Amount</td>
<td>P21</td>
<td>58</td>
<td>999999999.99</td>
<td>Round to nearest dollar and cents.</td>
</tr>
<tr>
<td>Price Election Amount</td>
<td>P11</td>
<td>45</td>
<td>99999.99</td>
<td>None</td>
</tr>
<tr>
<td>Maximum Replant Guarantee Per Acre</td>
<td>ICE</td>
<td></td>
<td></td>
<td>Edit with SPOI &quot;D00129&quot;.</td>
</tr>
</tbody>
</table>

#### Acre Stage Guarantee Amount

- **Less than: 20% of Guarantee Per Acre**:
  - **Price Election Amount**
  - **Round to nearest dollar and cents.**

- **Greater than or equal to: 20% of Guarantee Per Acre**:
  - **Maximum Replant Guarantee Per Acre**
  - **ICE Edit with SPOI "D00129".**

#### Maximum Replant Guarantee Per Acre

- **When Unit of Measure equals Pounds, "LBS"**:
  - Round to whole Number.

- **When Unit of Measure equals Tons, "Tons"**:
  - Round to 2 decimals.

- **Otherwise, Round to 1 decimal.**

### Commodity Code equal Peanuts, "0075":

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Record Number</th>
<th>Field Number</th>
<th>Field Format</th>
<th>Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acre Stage Guarantee Amount</td>
<td>P11</td>
<td>45</td>
<td>999999999.99</td>
<td>Round to nearest dollar and cents.</td>
</tr>
<tr>
<td>Price Election Amount</td>
<td>P11</td>
<td>45</td>
<td>99999.99</td>
<td>None</td>
</tr>
<tr>
<td>Maximum Replant Guarantee Per Acre</td>
<td>ICE</td>
<td></td>
<td></td>
<td>Edit with SPOI &quot;D00129&quot;.</td>
</tr>
</tbody>
</table>

#### Acre Stage Guarantee Amount

- **Less than: 20% of Guarantee Per Acre**: Acre Stage Guarantee Amount = Max Replant Guarantee Per Acre * Price Election Amount

- **Greater than or equal to: 20% of Guarantee Per Acre**:
  - **Result of 20% of Guarantee Per Acre** = Maximum Replant Guarantee Per Acre

- **Result of 20% of Guarantee Per Acre** will be used in 'Acre Stage Guarantee Amount' calculation and 'Loss Guarantee Amount' calculation. Value of '20% of Guarantee Per Acre' should be rounded before compare to 'Maximum Replant Guarantee Per Acre'.

#### Maximum Replant Guarantee Per Acre

- **When Unit of Measure equals Pounds, "LBS"**:
  - Round(Guarantee Per Acre * 0.20, 0)

- **When Unit of Measure equals Tons, "Tons"**:
  - Round(Guarantee Per Acre * 0.20, 2)

- **Otherwise, Round to 1 decimal.**

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**Notes:**

- Based on Projected Price or Contract Price if applicable.
- White (Type Code 341) and Waxy (Type Code 381) Specialty Type Corn will use the Projected Price for buyup. For CAT coverage, use the CAT price.
- Acre Stage Guarantee Amount = Maximum Replant Guarantee Per Acre * Price Election Amount

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**Reference:**

- Page 6 of 14
### Insurance Plan Code

- **02 Revenue Protection**
- **03 Revenue Protection with Harvest Price Exclusion**

### Commodity Code

- **0011 Wheat**
- **0015 Canola**
- **0018 Rice**
- **0047 Dry Beans**
- **0051 Grain Sorghum**
- **0075 Peanuts**
- **0057 Sunflowers**
- **0078 Soybeans**
- **0081 Canola**
- **0041 Corn**
- **0043 Popcorn**
- **0067 Dry Peas**
- **0018 Rice**
- **0126 Rice**
- **0091 Barley**

### 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>Acre Stage Guarantee Amount</td>
<td>P21</td>
<td>58</td>
<td>999999999.99</td>
<td>Round to nearest dollar and cents.</td>
<td></td>
</tr>
<tr>
<td>Price Election Amount</td>
<td>P11</td>
<td>45</td>
<td>99999.99</td>
<td>None</td>
<td>Based on Projected Price.</td>
</tr>
<tr>
<td>Maximum Replant Guarantee Per Acre</td>
<td>ICE</td>
<td></td>
<td></td>
<td></td>
<td>Edit with SPOICE &quot;000129&quot;. If lesser of submit in AIP Acre Stage Guarantee field 36 as pounds before price.</td>
</tr>
<tr>
<td>10% of Guarantee Per Acre2</td>
<td>Internal</td>
<td></td>
<td>999999999.99</td>
<td>Pounds, &quot;LBS&quot;, Round to whole Number.</td>
<td></td>
</tr>
<tr>
<td>Insured's Actual Cost</td>
<td>P21</td>
<td>36</td>
<td>999999999.99</td>
<td></td>
<td>Insured's Actual Cost will be submitted in AIP Acre Stage Guarantee field if lesser of converted to pounds per Dry Beans Loss Adjustment Handbook.</td>
</tr>
</tbody>
</table>

### Commodity Code equal Dry Beans, '0047':

- **Lesser of:**
  - Insured's Actual Cost
  - 10% of Guarantee Per Acre2
    - Maximum Replant Guarantee Per Acre

- **Acre Stage Guarantee Amount**

- **Price Election Amount**

- **Maximum Replant Guarantee Per Acre**

- **10% of Guarantee Per Acre2**

- **Insured's Actual Cost**
### Insurance Plan Code

<table>
<thead>
<tr>
<th>Insurance Plan Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>02</td>
<td>Revenue Protection</td>
</tr>
<tr>
<td>03</td>
<td>Revenue Protection with Harvest Price Exclusion</td>
</tr>
</tbody>
</table>

### Commodity Code

<table>
<thead>
<tr>
<th>Commodity Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0011 Wheat</td>
<td></td>
</tr>
<tr>
<td>0021 Cotton</td>
<td></td>
</tr>
<tr>
<td>0051 Grain Sorghum</td>
<td></td>
</tr>
<tr>
<td>0075 Peanuts</td>
<td></td>
</tr>
<tr>
<td>0015 Canola</td>
<td></td>
</tr>
<tr>
<td>0041 Corn</td>
<td></td>
</tr>
<tr>
<td>0043 Popcorn</td>
<td></td>
</tr>
<tr>
<td>0067 Dry Peas</td>
<td></td>
</tr>
<tr>
<td>0078 Sunflowers</td>
<td></td>
</tr>
<tr>
<td>0018 Rice</td>
<td></td>
</tr>
<tr>
<td>0043 Popcorn</td>
<td></td>
</tr>
<tr>
<td>0067 Dry Peas</td>
<td></td>
</tr>
<tr>
<td>0081 Soybeans</td>
<td></td>
</tr>
<tr>
<td>0091 Barley</td>
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</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>Loss Guarantee Amount</td>
<td>P21 60</td>
<td>999999999.99</td>
<td>Round to nearest dollar and cents.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Liability Adjustment Factor</td>
<td>P21 39</td>
<td>9.999999</td>
<td>None</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Section 5: Replant Payment Loss Guarantee Calculation

- **Commodity Code not equal Dry Beans, "0047" or Peanuts, "0075":**
  - Loss Guarantee Amount = Lesser of (20% of Guarantee Per Acre) or Maximum Replant Guarantee Per Acre * Price Election Amount * Determined Acreage * Liability Adjustment Factor
  - Liability Adjustment Factor = P21 39 | 9.999999 | None |

- **Commodity Code equal Dry Beans, "0047":**
  - Lesser of (Insured’s Actual Cost or Round(10% of Guarantee Per Acre) or Maximum Replant Guarantee Per Acre) * Price Election Amount * Determined Acreage * Liability Adjustment Factor
  - Liability Adjustment Factor = P21 39 | 9.999999 | None |

- **Commodity Code equal Peanuts, "0075":**
  - Loss Guarantee Amount = Maximum Replant Guarantee Per Acre * Determined Acreage * Liability Adjustment Factor
  - Liability Adjustment Factor = P21 39 | 9.999999 | None |

### Section 6: Replant Payment Indemnity Calculation

- Indemnity Amount = Loss Guarantee Amount * Insured Share Percent
- Total Indemnity = Total Indemnity for the Unit

<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>Indemnity Amount</td>
<td>P21 63</td>
<td>99999999999</td>
<td>Round to whole number.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insured Share Percent</td>
<td>P11 43</td>
<td>9.9999</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Indemnity</td>
<td>Internal</td>
<td>99999999999</td>
<td>Round to whole number.</td>
<td></td>
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</tr>
</tbody>
</table>
### Section 7: Stage Guarantee Calculation

**Prevented Planting Payment for Revenue Protection, "02", and Revenue Protection with Harvest Price Exclusion, "03"**

<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>Guarantee Per Acre1</strong> = Approved Yield * Coverage Level Percent</td>
<td></td>
<td></td>
<td></td>
<td>999999999.99</td>
<td>None</td>
<td>Information (Approved Yield and Insured Share Percent) will be obtained from Cotton P11 record.</td>
</tr>
<tr>
<td></td>
<td>Approved Yield</td>
<td>P11</td>
<td>42</td>
<td>999999999.99</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Coverage Level Percent</td>
<td>P14</td>
<td>34</td>
<td>9.999</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

**Cottonseed Endorsement Option "SE":**

<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>Guarantee Per Acre1</strong> = Approved Yield * Option Conversion Factor</td>
<td></td>
<td></td>
<td></td>
<td>999999999.99</td>
<td>Round to whole number.</td>
<td>Edit with ADM Option Rate, &quot;A01060&quot;.</td>
</tr>
<tr>
<td>Modified Yield</td>
<td>P11</td>
<td>42</td>
<td>999999999.99</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Option Conversion Factor</td>
<td>ADM</td>
<td></td>
<td>9.999</td>
<td>None</td>
<td></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><strong>Guarantee Per Acre2</strong> = Guarantee per Acre1 * Guarantee Adjustment Factor</td>
<td></td>
<td></td>
<td></td>
<td>999999999.99</td>
<td>Round to whole number.</td>
<td>Common Crop Insurance Policy 'Revenue protection guarantee (per acre)'. Not used in determination of Loss Guarantee.</td>
</tr>
<tr>
<td>Guarantee Adjustment Factor</td>
<td>P11</td>
<td>69</td>
<td>0.999</td>
<td>None</td>
<td></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><strong>Acre Stage Guarantee Amount</strong> = Guarantee Per Acre2 * Price Election Amount</td>
<td></td>
<td></td>
<td></td>
<td>999999999.99</td>
<td>Round to nearest dollar and cents.</td>
<td>Based on Projected Price or Contract Price if applicable.</td>
</tr>
<tr>
<td>Acre Stage Guarantee Amount</td>
<td>P21</td>
<td>58</td>
<td>999999999.99</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Price Election Amount</td>
<td>P11</td>
<td>45</td>
<td>999999999.99</td>
<td>None</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

When Stage Code equals:

- **Prevented Planting Option 2, "P2",**
- **Prevented Planting Add 10 Percent, "PT",**
- **Prevented Planting Add 5 Percent, "PF"**

Guarantee Per Acre1 = Approved Yield * Coverage Level Percent

When Unit of Measure equals Pounds, "LBS", then Round to whole number.

When Unit of Measure equals Tons, "Tons", then Round to 2 decimals.

Common Crop Insurance Policy 'Production guarantee (per acre)'.

Guarantee Per Acre1 should be rounded to whole pounds for Dry Beans, "0047" (all types), and Dry Peas, "0067" (all types).

Approved Yield

Coverage Level Percent

Guarantee Adjustment Factor

Acre Stage Guarantee Amount

Price Election Amount

Guarantee Per Acre2 should be rounded to whole pounds for Dry Beans, "0047" (all types), and Dry Peas, "0067" (all types).
### Insurance Plan Code

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0011</td>
<td>Wheat</td>
</tr>
<tr>
<td>0015</td>
<td>Canola</td>
</tr>
<tr>
<td>0018</td>
<td>Rice</td>
</tr>
<tr>
<td>0021</td>
<td>Cotton</td>
</tr>
<tr>
<td>0041</td>
<td>Corn</td>
</tr>
<tr>
<td>0043</td>
<td>Popcorn</td>
</tr>
<tr>
<td>0047</td>
<td>Dry Beans</td>
</tr>
<tr>
<td>0051</td>
<td>Grain Sorghum</td>
</tr>
<tr>
<td>0067</td>
<td>Dry Peas</td>
</tr>
<tr>
<td>0075</td>
<td>Peanuts</td>
</tr>
<tr>
<td>0078</td>
<td>Sunflowers</td>
</tr>
<tr>
<td>0081</td>
<td>Soybeans</td>
</tr>
<tr>
<td>0091</td>
<td>Barley</td>
</tr>
</tbody>
</table>

### Commodity Code

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0015</td>
<td>Canola</td>
</tr>
<tr>
<td>0041</td>
<td>Corn</td>
</tr>
<tr>
<td>0043</td>
<td>Popcorn</td>
</tr>
<tr>
<td>0047</td>
<td>Dry Beans</td>
</tr>
<tr>
<td>0051</td>
<td>Grain Sorghum</td>
</tr>
<tr>
<td>0067</td>
<td>Dry Peas</td>
</tr>
<tr>
<td>0075</td>
<td>Peanuts</td>
</tr>
<tr>
<td>0078</td>
<td>Sunflowers</td>
</tr>
<tr>
<td>0081</td>
<td>Soybeans</td>
</tr>
<tr>
<td>0091</td>
<td>Barley</td>
</tr>
<tr>
<td>0018</td>
<td>Rice</td>
</tr>
<tr>
<td>0043</td>
<td>Popcorn</td>
</tr>
<tr>
<td>0067</td>
<td>Dry Peas</td>
</tr>
<tr>
<td>0081</td>
<td>Soybeans</td>
</tr>
<tr>
<td>0091</td>
<td>Barley</td>
</tr>
</tbody>
</table>

### Calculations

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Record Number</th>
<th>Field Format</th>
<th>Rounding</th>
<th>Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loss Guarantee Amount</td>
<td>P21</td>
<td>60</td>
<td>999999999.99</td>
<td>Round to nearest dollar and cents.</td>
</tr>
<tr>
<td>Guarantee Per Acre2</td>
<td>Internal</td>
<td>999999999.99</td>
<td>When Unit of Measure equals Pounds, &quot;LBS&quot;, then Round to whole Number.</td>
<td></td>
</tr>
<tr>
<td>Guarantee Per Acre2 should be rounded to whole pounds for Dry Beans, &quot;0047&quot; (all types), and Dry Peas, &quot;0067&quot; (all types).</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Price Election Amount</td>
<td>P11</td>
<td>45</td>
<td>999999999.99</td>
<td>None</td>
</tr>
<tr>
<td>Based on Projected Price or Contract Price if applicable. White (Type Code 341) and Waxy (Type Code 381) Specialty Type Corn will use the Projected Price for buyup. For CAT coverage, use the CAT price.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Determined Acreage</td>
<td>P21</td>
<td>18</td>
<td>999999999.99</td>
<td>None</td>
</tr>
</tbody>
</table>

### Indemnity Amount Calculation

#### Section 8: Prevented Planting Payment Indemnity Calculation

\[
\text{Prepared Indemnity Amount} = \text{Loss Guarantee Amount} \times \text{Insured Share Percent}
\]

#### Section 9: Prevented Planting Payment Loss Guarantee Calculation

\[
\text{Guarantee Per Acre} = \frac{\text{Loss Guarantee Amount} \times \text{Price Election Amount} \times \text{Determined Acreage} \times \text{Liability Adjustment Factor} \times \text{Approved Yield} \times \text{Coverage Level Percent}}{\text{Total Indemnity Amount for the Unit}}
\]

### Malting Barley Price and Quality Endorsement (ME)

#### Section 10: Stage Guarantee Calculation

\[
\text{Guarantee Per Acre} = \text{Approved Yield} \times \text{Coverage Level Percent}
\]

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Record Number</th>
<th>Field Format</th>
<th>Rounding</th>
<th>Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Guarantee Per Acre1</td>
<td>Internal</td>
<td>999999999.99</td>
<td>Round to nearest whole pounds, nearest hundredth for tonnage commodities, or nearest tenths for other units of measure. Common Crop Insurance Policy 'production guarantee (per acre)'.</td>
<td></td>
</tr>
<tr>
<td>Approved Yield</td>
<td>P11</td>
<td>42</td>
<td>999999999.99</td>
<td>None</td>
</tr>
<tr>
<td>Coverage Level Percent</td>
<td>P14</td>
<td>34</td>
<td>9.9999</td>
<td>None</td>
</tr>
<tr>
<td>Field Name</td>
<td>Record Number</td>
<td>Field Number</td>
<td>Field Format</td>
<td>Rules</td>
</tr>
<tr>
<td>--------------------------</td>
<td>---------------</td>
<td>--------------</td>
<td>--------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>Guarantee Per Acre2</td>
<td>Internal</td>
<td>999999999.99</td>
<td>When Unit of Measure equals Pounds, &quot;LBS&quot;, then Round to whole Number. When Unit of Measure equals Tons, &quot;Tons&quot;, then Round to 2 decimals. Otherwise, Round to 1 decimal.</td>
<td></td>
</tr>
<tr>
<td>Guarantee Adjustment Factor</td>
<td>P11</td>
<td>69</td>
<td>0.999</td>
<td>None</td>
</tr>
</tbody>
</table>

When the Insurance Plan Code is 02, Revenue Protection:

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Record Number</th>
<th>Field Number</th>
<th>Field Format</th>
<th>Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>ME Harvest Price</td>
<td>Internal</td>
<td>9999.9999</td>
<td>Round to 4 decimals.</td>
<td></td>
</tr>
<tr>
<td>Contract Price</td>
<td>P11</td>
<td>46</td>
<td>9999.9999</td>
<td>None</td>
</tr>
<tr>
<td>Projected Price ADM</td>
<td>ADM</td>
<td>99999.9999</td>
<td>None</td>
<td>The ADM published value with no additional calculations performed. Denoted in Price ADM as barley projected price with ME option.</td>
</tr>
<tr>
<td>Harvest Price ADM</td>
<td>ADM</td>
<td>99999.9999</td>
<td>None</td>
<td>The ADM published value with no additional calculations performed. Denoted in Price ADM as barley harvest price with ME option.</td>
</tr>
<tr>
<td>Price Election Amount</td>
<td>Internal</td>
<td>9999.9999</td>
<td>Round to 4 decimals.</td>
<td></td>
</tr>
<tr>
<td>Price Election Percent ICE</td>
<td>ICE</td>
<td>9.999</td>
<td>None</td>
<td>Price Election Percent would equal 1.00 when Insurance Plan Code equals &quot;02&quot;.</td>
</tr>
<tr>
<td>Insurance Plan Code</td>
<td>Commodity Code</td>
<td>Field</td>
<td>Name</td>
<td>Record Number</td>
</tr>
<tr>
<td>---------------------</td>
<td>----------------</td>
<td>-------</td>
<td>------</td>
<td>---------------</td>
</tr>
<tr>
<td>02 Revenue Protection</td>
<td>0011 Wheat</td>
<td>Price Election Amount</td>
<td>Internal</td>
<td>9999.9999</td>
</tr>
<tr>
<td>02 Revenue Protection</td>
<td>0021 Cotton</td>
<td>Contract Price</td>
<td>P11</td>
<td>46</td>
</tr>
<tr>
<td>02 Revenue Protection</td>
<td>0015 Canola</td>
<td>Price Election Percent</td>
<td>ICE</td>
<td>9.9999</td>
</tr>
<tr>
<td>03 Revenue Protection with Harvest Price Exclusion</td>
<td>0021 Cotton</td>
<td>Acre Stage Guarantee Amount</td>
<td>P21</td>
<td>58</td>
</tr>
<tr>
<td>03 Revenue Protection with Harvest Price Exclusion</td>
<td>0018 Rice</td>
<td>Price Election Amount</td>
<td>P11</td>
<td>45</td>
</tr>
</tbody>
</table>

**Section 11: Malting Barley Loss Guarantee Calculation**

<table>
<thead>
<tr>
<th>Field</th>
<th>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>Determined Acreage</td>
<td>P21</td>
<td>18</td>
<td>9999999999.99</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Liability Adjustment Factor</td>
<td>P21</td>
<td>39</td>
<td>9.99999</td>
<td>None</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

When the Insurance Plan Code is 02, Revenue Protection:

<table>
<thead>
<tr>
<th>Field</th>
<th>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>Revenue Conversion Production To Count</td>
<td>MAX(Production to Count Quantity * ME Harvest Price,0)</td>
<td>P21</td>
<td>45</td>
<td>9999999999.99</td>
<td>Round to nearest dollar and cents.</td>
<td>Cannot equal less than 0.</td>
</tr>
<tr>
<td>Production to Count Quantity</td>
<td>P21</td>
<td>34</td>
<td>9999999999.99</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ME Harvest Price</td>
<td>Internal</td>
<td></td>
<td></td>
<td>9999.9999</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

When the Insurance Plan Code is 03, Revenue Protection Harvest Price Exclusion:

<table>
<thead>
<tr>
<th>Field</th>
<th>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>Revenue Conversion Production To Count</td>
<td>Production to Count Quantity * Price Election Amount</td>
<td>P21</td>
<td>45</td>
<td>9999999999.99</td>
<td>Round to nearest dollar and cents.</td>
<td></td>
</tr>
<tr>
<td>Production to Count Quantity</td>
<td>P21</td>
<td>34</td>
<td>9999999999.99</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Price Election Amount</td>
<td>P11</td>
<td>45</td>
<td>9999999999.99</td>
<td>None</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Section 12: Malting Barley Indemnity Calculation

Unit Deficiency Quantity = Loss Guarantee Amount – Revenue Conversion Production to Count

Preliminary Indemnity Amount = Unit Deficiency Quantity * Insured Share Percent

Indemnity Amount = Preliminary Indemnity Amount * Multiple Commodity Adjustment Factor

Total Indemnity = ∑ Indemnity Amount for the Unit

Calculations: Unit Deficiency Quantity

Field | Name | Record | Field | Format | Rounding | Rules
--- | --- | --- | --- | --- | --- | ---
Unit Deficiency Quantity | P21 59 | 9999999999 | Round to nearest dollar and cents.

Calculations: Preliminary Indemnity Amount

Field | Name | Record | Field | Format | Rounding | Rules
--- | --- | --- | --- | --- | --- | ---
Preliminary Indemnity Amount | P21 62 | 9999999999 | Round to whole number.

Calculations: Insured Share Percent

Field | Name | Record | Field | Format | Rounding | Rules
--- | --- | --- | --- | --- | --- | ---
Insured Share Percent | P11 43 | 9.999 | None

Calculations: Indemnity Amount

Field | Name | Record | Field | Format | Rounding | Rules
--- | --- | --- | --- | --- | --- | ---
Indemnity Amount | P21 63 | 9999999999 | Round to whole number

Calculations: Multiple Commodity Adjustment Factor

Field | Name | Record | Field | Format | Rounding | Rules
--- | --- | --- | --- | --- | --- | ---
Multiple Commodity Adjustment Factor | ICE | 9999.999 | None | Edit with ICE Multiple Cropping, "D00063". 

Calculations: Total Indemnity

Field | Name | Record | Field | Format | Rounding | Rules
--- | --- | --- | --- | --- | --- | ---
Total Indemnity | Internal | 9999999999 | Round to whole number.
### Section 13: Downed Rice Payment Loss Guarantee Calculation

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Record Number</th>
<th>Field Format</th>
<th>Field Rounding</th>
<th>Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insured Acreage10</td>
<td>Internal</td>
<td>99999999.99</td>
<td>Round to 1 decimal.</td>
<td>If Determined Acreage is &lt;= Insured Acreage10 then no payment; if Determined Acreage is &gt; Insured Acreage10 and &lt; Insured Acreage50 then payment with deductible; if Determined Acreage is &gt;= Insured Acreage50 then payment without deductible.</td>
</tr>
<tr>
<td>Reported Acreage</td>
<td>P11</td>
<td>99999999.99</td>
<td>None</td>
<td>Summed P11 DRE reported acreage for the unit.</td>
</tr>
<tr>
<td>Insured Acreage50</td>
<td>Internal</td>
<td>99999999.99</td>
<td>Round to 1 decimal.</td>
<td></td>
</tr>
<tr>
<td>Reported Acreage</td>
<td>P11</td>
<td>99999999.99</td>
<td>None</td>
<td>Summed P11 DRE reported acreage for the unit.</td>
</tr>
<tr>
<td>Determined Acreage</td>
<td>P21</td>
<td>99999999.99</td>
<td>None</td>
<td>Harvested Downed Rice Acreage for the unit.</td>
</tr>
<tr>
<td>Payable Downed Rice Acreage</td>
<td>Internal</td>
<td>99999999.99</td>
<td>Round to 1 decimal.</td>
<td>This will be the determined payable downed rice acres for the unit.</td>
</tr>
<tr>
<td>Payable Downed Rice Acreage = Harvested Downed Rice Acreage - Insured Acreage10 * 0.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Payable Downed Rice Acreage = Harvested Downed Rice Acreage - Insured Acreage50 * 0.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Section 14: Downed Rice Payment Indemnity Calculation

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Record Number</th>
<th>Field Format</th>
<th>Field Rounding</th>
<th>Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loss Guarantee Amount</td>
<td>P21</td>
<td>99999999.99</td>
<td>Round to nearest dollar and cents.</td>
<td>Edit with ADM Price, &quot;A00810&quot;, Fixed Coverage Amount with insurance option = &quot;DC&quot;.</td>
</tr>
<tr>
<td>Harvest Expense Amount</td>
<td>ADM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Price Election Percent</td>
<td>P14</td>
<td>9.9999</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Liability Adjustment Factor</td>
<td>P21</td>
<td>9.999999</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

### Indemnity Calculations

- **Insurance Plan Code**: 02 Revenue Protection, 03 Revenue Protection with Harvest Price Exclusion
- **Commodity Code**: 0011 Wheat, 0021 Cotton, 0075 Peanuts, 0047 Dry Beans, 0015 Canola, 0041 Corn, 0051 Grain Sorghum, 0078 Sunflowers, 0081 Soybeans, 0018 Rice, 0043 Popcorn, 0067 Dry Peas, 0091 Barley

**Calculations**

- **Field Name**: Indemnity Amount, Total Indemnity
- **Record Number**: P21, P11
- **Field Format**: S9999999999
- **Field Rounding**: Round to whole number.

**Payable Downed Rice Acreage**: Payable Downed Rice Acreage = Harvested Downed Rice Acreage * Harvest Expense Amount * Price Election Percent * Liability Adjustment Factor

**Loss Guarantee Amount**: Loss Guarantee Amount = Payable Downed Rice Acreage * Harvest Price Exclusion Factor

**Indemnity Amount**: Indemnity Amount = Loss Guarantee Amount * Insured Share Percent

**Total Indemnity**: Total Indemnity = Σ Indemnity Amount for the Unit

**Release Date**: 12/20/2019