<table>
<thead>
<tr>
<th>Commodity Code</th>
<th>Name</th>
<th>Version</th>
<th>Release Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>0057 Cherries</td>
<td>0154 Strawberries</td>
<td>0227 Oranges</td>
<td>2/7/2019</td>
</tr>
</tbody>
</table>

**Section 1: Liability Calculation**

- **Acre Guarantee Quantity**
  - Approved Yield
  - Expected Revenue Factor
  - Coverage Level Percent
  - Price Election Percent
  - Insured Share Percent

- **Total Guarantee Amount**
  - Acre Guarantee Quantity
  - Reported Acreage

- **Liability Amount**
  - Total Guarantee Amount

- **Unadjusted Approved Revenue Amount**
  - Expected Revenue Factor
  - Rate Yield

**Section 2: Base Premium Rate Calculation**

- **Current Year Yield Ratio**
  - Rate Yield
  - Reference Revenue

- **Prior Year Yield Ratio**
  - Rate Yield
  - Prior Year Reference Revenue

- **Current Year Rate Multiplier**
  - Current Year Rate Multiplier

- **Prior Year Rate Multiplier**

---

**Formulas:**

- Acre Guarantee Quantity = Approved Yield \* Expected Revenue Factor \* Coverage Level Percent \* Price Election Percent \* Insured Share Percent

- Total Guarantee Amount = Acre Guarantee Quantity \* Reported Acreage

- Liability Amount = Total Guarantee Amount

- Unadjusted Approved Revenue Amount = Expected Revenue Factor \* Rate Yield

- Current Year Yield Ratio = Rate Yield / Reference Revenue

- Prior Year Yield Ratio = Rate Yield / Prior Year Reference Revenue

- Current Year Rate Multiplier = Current Year Yield Ratio \^ Exponent Value

- Prior Year Rate Multiplier = Prior Year Yield Ratio \^ Prior Year Exponent Value

---

**Notes:**

- Liability Amount Round to whole number.
- Liability Amount = Total Guarantee Amount
- Unadjusted Approved Revenue Amount Round to whole number.
- Current Year Yield Ratio Round to 2 decimals.
- Prior Year Yield Ratio Round to 2 decimals.
<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>When Rate Method Code equals Fixed Rate &quot;F&quot;:</td>
<td>Current Year Base Rate</td>
<td>Internal</td>
<td>9999999999999999</td>
<td>Round to 8 decimals.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sub County Rate</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>When Rate Method Code equals Additive &quot;A&quot;:</td>
<td>Sub County Rate</td>
<td>ADM</td>
<td>9.9999</td>
<td>None</td>
<td>Edit with ADM Sub County Rate, &quot;A01050&quot;.</td>
<td></td>
</tr>
<tr>
<td>Sub County Rate + (Current Year Rate Multiplier * Reference Rate + Fixed Rate)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>When Rate Method Code equals Multiplicative &quot;M&quot;:</td>
<td>Reference Rate</td>
<td>ADM</td>
<td>9.9999</td>
<td>None</td>
<td>Edit with ADM Base Rate, &quot;A01010&quot;.</td>
<td></td>
</tr>
<tr>
<td>Sub County Rate * (Current Year Rate Multiplier * Reference Rate + Fixed Rate)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Otherwise:</td>
<td>Fixed Rate</td>
<td>ADM</td>
<td>9.9999</td>
<td>None</td>
<td>Edit with ADM Base Rate, &quot;A01010&quot;.</td>
<td></td>
</tr>
<tr>
<td>Current Year Rate Multiplier * Reference Rate + Fixed Rate</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prior Year Base Rate</td>
<td>Prior Year Base Rate</td>
<td>Internal</td>
<td>9999999999999999</td>
<td>Round to 8 decimals.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>When Rate Method Code equals Fixed Rate, &quot;F&quot;:</td>
<td>Sub County Rate</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sub County Rate</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>When Rate Method Code equals Additive, &quot;A&quot;:</td>
<td>Sub County Rate</td>
<td>ADM</td>
<td>9.9999</td>
<td>None</td>
<td>Edit with ADM Sub County Rate, &quot;A01050&quot;.</td>
<td></td>
</tr>
<tr>
<td>Sub County Rate + (Prior Year Rate Multiplier * Prior Year Reference Rate + Prior Year Fixed Rate)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>When Rate Method Code equals Multiplicative, &quot;M&quot;:</td>
<td>Prior Year Reference Rate</td>
<td>ADM</td>
<td>9.9999</td>
<td>None</td>
<td>Edit with ADM Base Rate, &quot;A01010&quot;.</td>
<td></td>
</tr>
<tr>
<td>Sub County Rate * (Prior Year Rate Multiplier * Prior Year Reference Rate + Prior Year Fixed Rate)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Otherwise:</td>
<td>Prior Year Fixed Rate</td>
<td>ADM</td>
<td>9.9999</td>
<td>None</td>
<td>Edit with ADM Base Rate, &quot;A01010&quot;.</td>
<td></td>
</tr>
<tr>
<td>Prior Year Rate Multiplier * Prior Year Reference Rate + Prior Year Fixed Rate</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current Year Base Premium Rate * Rate Differential Factor * Unit Residual Factor</td>
<td>Current Year Base Premium Rate</td>
<td>Internal</td>
<td>9999999999999999</td>
<td>Round to 8 decimals.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rate Differential Factor</td>
<td>ADM</td>
<td>9.9999999999</td>
<td>None</td>
<td>Edit with ADM Coverage Level Differential, &quot;A01040&quot;.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unit Residual Factor</td>
<td>ADM</td>
<td>9.9999</td>
<td>None</td>
<td>Edit with ADM Coverage Level Differential, &quot;A01040&quot;.</td>
<td></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>Prior Year Base Premium Rate</td>
<td>Internal</td>
<td>999999.99999999</td>
<td>Round to 8 decimals.</td>
<td></td>
<td>Edit with ADM Coverage Level Differential, &quot;A01040&quot;.</td>
</tr>
<tr>
<td>Prior Year Rate Differential Factor</td>
<td>ADM</td>
<td>9.99999999</td>
<td>None</td>
<td></td>
<td>Edit with ADM Coverage Level Differential, &quot;A01040&quot;.</td>
</tr>
<tr>
<td>Prior Year Unit Residual Factor</td>
<td>ADM</td>
<td>9.999</td>
<td>None</td>
<td></td>
<td>Edit with ADM Coverage Level Differential, &quot;A01040&quot;.</td>
</tr>
<tr>
<td>Prior Year Base Premium Rate = Prior Year Base Rate * Prior Year Rate Differential Factor * Prior Year Residual Factor = 1.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>When Unit Structure Code equals &quot;OU&quot; or &quot;BU&quot;, then Prior Year Unit Residual Factor. When Unit Structure Code equals &quot;EU&quot;, then Prior Year Enterprise Unit Residual Factor.</td>
</tr>
<tr>
<td>Base Premium Rate</td>
<td>P11</td>
<td>94</td>
<td>9.99999999</td>
<td>Round to 8 decimals.</td>
<td>Edit with ADM Base Rate, &quot;A01010&quot;.</td>
</tr>
</tbody>
</table>

**Section 3: Optional Coverage Calculation**

| Additive Optional Rate Adjustment Factor = SUM (Option Rate(s)) * Rate Differential Factor | Additive Optional Rate Adjustment Factor | Internal | 999999.9999 | Round to 4 decimals. | Edit with ADM Option Rate, "A01060". |
| Option Rate | ADM | 9.999 | None | | Edit with ADM Coverage Level Differential, "A01040". |
| Rate Differential Factor | ADM | 9.99999999 | None | | Edit with ADM Coverage Level Differential, "A01040". |

**Multiplicative Optional Rate Adjustment Factor = Product (Option Rate(s)) **

| Multiplicative Optional Rate Adjustment Factor | Multiplicative Optional Rate Adjustment Factor | Internal | 999999.9999 | Round to 4 decimals. | Edit with ADM Option Rate, "A01060". |
| Option Rate | ADM | 9.999 | None | | Edit with ADM Coverage Level Differential, "A01040". |
### Section 4: Premium Rate

<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>Premium Rate is capped at 0.99900000.</td>
<td></td>
</tr>
<tr>
<td>Base Premium Rate * Unit Structure Discount Factor * = Multiplicative Optional Rate Adjustment Factor + Additive Optional Rate Adjustment Factor</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>
<td></td>
</tr>
<tr>
<td>Unit Structure Discount Factor</td>
<td>ADM</td>
<td>9.999</td>
<td>None</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 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>Must be a value between minimum and maximum on ICE, &quot;D10033&quot;.</td>
<td></td>
</tr>
<tr>
<td>Liability Amount * Premium Rate * Experience Factor * Premium Surcharge Percent</td>
<td></td>
<td></td>
<td></td>
<td>When Surcharge Applied Flag equals &quot;Y&quot;, then Premium Rate Surcharge must equal 1.05, otherwise must equal 1.00.</td>
<td></td>
</tr>
<tr>
<td>Experience Factor</td>
<td>P11</td>
<td>47</td>
<td>9.999</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Premium Surcharge Percent</td>
<td>Internal</td>
<td>9.999</td>
<td>None</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<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>Total Premium Amount = Preliminary Total Premium Amount * Multiple Commodity Adjustment Factor.</td>
<td>P11</td>
<td>92</td>
<td>99999999999999</td>
<td>Round to whole number.</td>
<td>Edit with ICE Multiple Cropping, &quot;D00063&quot;.</td>
</tr>
<tr>
<td>Multiple Commodity Adjustment Factor</td>
<td>ICE</td>
<td>99999.9999</td>
<td>None</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<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>Subsidy Amount = Total Premium Amount * Subsidy Percent</td>
<td>P11</td>
<td>90</td>
<td>99999999999999</td>
<td>Round to whole number.</td>
<td>If this record qualifies for Beginning Farmer and Rancher, see Section 6 for subsidy calculations.</td>
</tr>
<tr>
<td>Subsidy Percent</td>
<td>ADM</td>
<td>9.999</td>
<td>None</td>
<td></td>
<td>Edit with ADM Subsidy Percent, &quot;A00070&quot;.</td>
</tr>
</tbody>
</table>

<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>Producer Premium Amount = Total Premium Amount - Subsidy Amount</td>
<td>P11</td>
<td>93</td>
<td>99999999999999</td>
<td>Round to whole number.</td>
<td></td>
</tr>
</tbody>
</table>
### Section 6: Beginning Farmer and Rancher (BFR) and Conservation Compliance (CC) Subsidy Calculations

<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 Subsidy Amount = Total Premium Amount * Subsidy Percent</td>
<td>Base Subsidy Amount</td>
<td>Internal</td>
<td>9999999999</td>
<td>Round to whole number</td>
<td>Cupped by the standard rule of $1 if applicable.</td>
<td></td>
</tr>
<tr>
<td>Subsidy Percent</td>
<td>ADM</td>
<td>9.999</td>
<td>None</td>
<td></td>
<td></td>
<td>Edit with ADM Subsidy Percent, &quot;A00070&quot;.</td>
</tr>
<tr>
<td>BFR Subsidy Amount = Total Premium Amount * 0.10 * (1 - CC Subsidy Reduction Percent)</td>
<td>BFR Subsidy Amount</td>
<td>Internal</td>
<td>9999999999</td>
<td>Round to whole number</td>
<td>Beginning Farmer Rancher Subsidy Amount. If Applicable; else 0. 0.10 (10%).</td>
<td></td>
</tr>
<tr>
<td>CC Subsidy Reduction Amount = Base Subsidy Amount * CC Subsidy Reduction Percent</td>
<td>CC Subsidy Reduction Percent</td>
<td>P11</td>
<td>76</td>
<td>9.999</td>
<td>None</td>
<td>If Applicable; else 0. CC Subsidy Reduction Amount. If Applicable; else 0.</td>
</tr>
<tr>
<td>Subsidy Amount = Total Premium Amount + BFR Subsidy Amount - CC Subsidy Reduction Amount</td>
<td>Subsidy Amount</td>
<td>P11</td>
<td>90</td>
<td>9999999999</td>
<td>Round to whole number</td>
<td>Subsidy Amount cannot exceed Total Premium Amount. Subsidy Amount will be cupped at $0.</td>
</tr>
<tr>
<td>Producer Premium Amount = Total Premium Amount - Subsidy Amount</td>
<td>Producer Premium Amount</td>
<td>P11</td>
<td>93</td>
<td>9999999999</td>
<td>Round to whole number</td>
<td></td>
</tr>
</tbody>
</table>