Livestock Risk Protection (LRP)
(Insurance Plan Code 81)

**INSURED VALUE (LIABILITY)**

\[
\text{INSURED\_VALUE} = \text{NUMBER\_HEAD} \times \text{TARGET\_WEIGHT} \times \text{COVERAGE\_PRICE} \times \text{SHARE}
\]

(field 17)  (field 10)  (field 11)  (field 13)  (field 16)

**TOTAL PREMIUM**

\[
\text{TOTAL\_PREMIUM} = \text{INSURED\_VALUE} \times \text{RATE}
\]

(field 20)  (field 17)  (field 18)

**PRODUCER PREMIUM**

\[
\text{SUBSIDY} = \text{TOTAL\_PREMIUM} \times \text{Subsidy Factor}
\]

(field 21)  (field 20)  (Internal*)

\[
\text{PRODUCER\_PREMIUM} = \text{TOTAL\_PREMIUM} - \text{SUBSIDY}
\]

(field 26)  (field 20)  (field 21)

*Subsidy Factor for LRP is 0.130 (except for Lamb). Subsidy Factor for LRP Lamb will be by Endorsement Length. Endorsement Length - 13 weeks is 0.200, 26 weeks is 0.350, and 39 weeks is 0.380.

**BEGINNING FARMER AND RANCHER (BFR) SUBSIDY CALCULATIONS**

Base Subsidy = TOTAL_PREMIUM \times \text{Subsidy Factor}
(Internal)  (field 20)  (Internal*)

\[
\text{BFR\_SUBSIDY} = \text{TOTAL\_PREMIUM} \times 0.10
\]

(field 28)  (field 20)

\[
\text{SUBSIDY} = \text{Base Subsidy} + \text{BFR\_SUBSIDY}
\]

(field 21)  (Internal)  (field 28)

\[
\text{PRODUCER\_PREMIUM} = \text{TOTAL\_PREMIUM} - \text{SUBSIDY}
\]

(field 26)  (field 20)  (field 21)

**CONSERVATION COMPLIANCE SUBSIDY CALCULATIONS**

Base Subsidy = TOTAL_PREMIUM \times \text{Subsidy Factor}
(Internal)  (field 20)  (Internal*)

\[
\text{CC\_SUB\_RED\_AMT} = \text{Base Subsidy Amount} \times \text{CC\_SUB\_RED\_PCT}
\]

(field 30)  (Internal)  (field 29)

\[
\text{SUBSIDY} = \text{Base Subsidy} - \text{CC\_SUB\_RED\_AMT}
\]

(field 21)  (Internal)  (field 30)

\[
\text{PRODUCER\_PREMIUM} = \text{TOTAL\_PREMIUM} - \text{SUBSIDY}
\]

(field 26)  (field 20)  (field 21)
CONSERVATION COMPLIANCE/BEGINNING FARMER RANCHER SUBSIDY CALCULATIONS

Base Subsidy = TOTAL_PREMIUM * Subsidy Factor
(Internal) (field 20) (Internal*)

CC_SUB_RED_AMT = Base Subsidy Amount * CC_SUB_RED_PCT
(field 30) (Internal) (field 29)

BFR_SUBSIDY = TOTAL_PREMIUM * 0.10 * (1 - CC_SUB_RED_PCT)
(field 28) (field 20) (field 29)

SUBSIDY = Base Subsidy + BFR_SUBSIDY - CC_SUB_RED_AMT
(field 21) (Internal) (field 28) (field 30)

PRODUCER_PREMIUM = TOTAL_PREMIUM - SUBSIDY
(field 26) (field 20) (field 21)

A&O EXPENSE SUBSIDY

AOEXPENSE_SUBSIDY = TOTAL_PREMIUM * AOExpense Subsidy Percent
(field 27) (field 20) (Internal)
### LIVESTOCK RISK PROTECTION (LRP) LIABILITY/PREMIUM CALCULATIONS

<table>
<thead>
<tr>
<th>Tag</th>
<th>No.</th>
<th>Picture</th>
<th>Rounding</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;NUMBER_HEAD&gt;</td>
<td>10</td>
<td>9(08)</td>
<td>whole number</td>
<td>Number of Head covered by the endorsement. See Exhibit 135 notes.</td>
</tr>
<tr>
<td>&lt;TARGET_WEIGHT&gt;</td>
<td>11</td>
<td>9999.99</td>
<td>nearest cwt</td>
<td>Expected weight of the livestock, per head.</td>
</tr>
<tr>
<td>&lt;COVERAGE_PRICE&gt;</td>
<td>13</td>
<td>9999.999</td>
<td>per ADM</td>
<td>Obtain from A00630. Level of protection on a dollar per cwt basis and result of expected ending value multiplied by the coverage level.</td>
</tr>
<tr>
<td>&lt;SHARE&gt;</td>
<td>16</td>
<td>9.999999</td>
<td>4 decimal places</td>
<td>Percentage of insured interest in the covered livestock.</td>
</tr>
<tr>
<td>&lt;INSURED_VALUE&gt;</td>
<td>17</td>
<td>9(10)</td>
<td>nearest whole dollar (Liability)</td>
<td>Total dollar amount of coverage (Liability). Number of head multiplied by target weight multiplied by the coverage price multiplied by the insured share.</td>
</tr>
<tr>
<td>&lt;RATE&gt;</td>
<td>18</td>
<td>.999999</td>
<td>per ADM</td>
<td>Obtain from A00630.</td>
</tr>
<tr>
<td>&lt;TOTAL_PREMIUM&gt;</td>
<td>20</td>
<td>9(10)</td>
<td>nearest whole dollar</td>
<td>Premium including subsidy. Insured Value multiplied by rate.</td>
</tr>
<tr>
<td><strong>Subsidy Factor</strong></td>
<td>Internal</td>
<td>.999</td>
<td>3 decimal places</td>
<td>Subsidy Factor for LRP is 0.130 (except for Lamb). Subsidy Factor for LRP Lamb will be by Endorsement Length. Endorsement Length - 13 weeks is 0.200, 26 weeks is 0.350, and 39 weeks is 0.380. Subsidy percent converted to factor.</td>
</tr>
<tr>
<td>&lt;SUBSIDY&gt;</td>
<td>21</td>
<td>9(10)</td>
<td>nearest whole dollar</td>
<td>Total Premium multiplied by Subsidy Factor. If Beginning Farmer Rancher is applicable, this amount contains the +10% increase in subsidy added to the base subsidy.</td>
</tr>
<tr>
<td>&lt;PRODUCER_PREMIUM&gt;</td>
<td>26</td>
<td>9(10)</td>
<td>nearest whole dollar</td>
<td>Premium after subsidy. Total Premium minus Subsidy.</td>
</tr>
<tr>
<td><strong>Base Subsidy</strong></td>
<td>Internal</td>
<td>9(10)</td>
<td>nearest whole dollar</td>
<td>The subsidy would have been without alterations due to BFR.</td>
</tr>
<tr>
<td>&lt;BFR_SUBSIDY&gt;</td>
<td>28</td>
<td>9(10)</td>
<td>nearest whole dollar</td>
<td>Beginning Farmer Rancher Subsidy. 0.10 (10%) of the Total Premium.</td>
</tr>
<tr>
<td>&lt;CC_SUB_RED_PCT&gt;</td>
<td>29</td>
<td>9.9999</td>
<td>4 decimal places</td>
<td>Share reduction of the policy that is in violation of Conservation Compliance.</td>
</tr>
<tr>
<td>&lt;CC_SUB_RED_AMT&gt;</td>
<td>30</td>
<td>9(10)</td>
<td>Nearest whole dollar</td>
<td>Subsidy reduction for Conservation Compliance based on the CC_SUB_RED_PCT.</td>
</tr>
</tbody>
</table>
LIVESTOCK RISK PROTECTION (LRP)
LIABILITY/PREMIUM CALCULATIONS

<table>
<thead>
<tr>
<th>&lt;AOEXPENSE_SUBSIDY&gt;</th>
<th>27</th>
<th>9(10).99 dollar and cents</th>
<th>Total Premium multiplied by AOExpense Subsidy Percent.</th>
</tr>
</thead>
</table>

Approved 135-1 - 4 RY 2019