

**LIVESTOCK RISK PROTECTION (LRP)
LIABILITY/PREMIUM CALCULATIONS**
Edit Description

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

INSURED VALUE (LIABILITY)

$$\text{INSURED_VALUE} = \text{NUMBER_HEAD} * \text{TARGET_WEIGHT} * \text{COVERAGE_PRICE} * \text{SHARE}$$

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

TOTAL PREMIUM

$$\text{TOTAL_PREMIUM} = \text{INSURED_VALUE} * \text{RATE}$$

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

PRODUCER PREMIUM

$$\text{SUBSIDY} = \text{TOTAL_PREMIUM} * \text{Subsidy Factor}$$

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

$$\text{PRODUCER_PREMIUM} = \text{TOTAL_PREMIUM} - \text{SUBSIDY}$$

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

***Subsidy Factor for LRP will be based on coverage levels established by the ADM (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/VETERAN FARMER AND RANCHER (BFR & VFR) SUBSIDY CALCULATIONS

$$\text{Base Subsidy} = \text{TOTAL_PREMIUM} * \text{Subsidy Factor}$$

(Internal) (field 20) (Internal*)

$$\text{BFR_SUBSIDY} = \text{TOTAL_PREMIUM} * 0.10$$

(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

$$\text{Base Subsidy} = \text{TOTAL_PREMIUM} * \text{Subsidy Factor}$$

(Internal) (field 20) (Internal*)

$$\text{CC_SUB_RED_AMT} = \text{Base Subsidy} * \text{CC_SUB_RED_PCT}$$

(field 30) (Internal) (field 29)

$$\text{SUBSIDY} = \text{Base Subsidy} - \text{CC_SUB_RED_AMT}$$

**LIVESTOCK RISK PROTECTION (LRP)
LIABILITY/PREMIUM CALCULATIONS**
Edit Description

(field 21) (Internal) (field 30)

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

**CONSERVATION COMPLIANCE WITH BEGINNING/VETERAN FARMER AND
RANCHER SUBSIDY CALCULATIONS**

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

CC_SUB_RED_AMT = Base Subsidy * 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**
Edit Description

Tag	No.	Picture	Rounding	Description																					
<NUMBER_HEAD>	10	9(08)	whole number	Number of Head covered by the endorsement. See Exhibit 135 notes.																					
<TARGET_WEIGHT>	11	9999.99	nearest cwt	Expected weight of the livestock, per head.																					
<COVERAGE_PRICE>	13	9999.999	per ADM	Obtain from A00630. Level of protection on a dollar per cwt basis and result of expected ending value multiplied by the coverage level.																					
<SHARE>	16	9.9999	4 decimal places	Percentage of insured interest in the covered livestock.																					
<INSURED_VALUE> (Liability)	17	9(10)	nearest whole dollar	Total dollar amount of coverage (Liability). Number of head multiplied by target weight multiplied by the coverage price multiplied by the insured share.																					
<RATE>	18	.999999	per ADM	Obtain from A00630.																					
<TOTAL_PREMIUM>	20	9(10)	nearest whole dollar	Premium including subsidy. Insured Value multiplied by rate.																					
Subsidy Factor	Internal	.999	3 decimal places	<p>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. Subsidy Factor for LRP (sans Lamb) will be read off the ADM subsidy rate. Factors are based on coverage level ranges.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2">Coverage Level Percent</th> <th>Subsidy Factors</th> </tr> <tr> <th>Low</th> <th>High</th> <th></th> </tr> </thead> <tbody> <tr> <td>0.7</td> <td>0.799999</td> <td>0.55</td> </tr> <tr> <td>0.8</td> <td>0.849999</td> <td>0.5</td> </tr> <tr> <td>0.85</td> <td>0.899999</td> <td>0.45</td> </tr> <tr> <td>0.9</td> <td>0.949999</td> <td>0.4</td> </tr> <tr> <td>0.95</td> <td>1.000000</td> <td>0.35</td> </tr> </tbody> </table>	Coverage Level Percent		Subsidy Factors	Low	High		0.7	0.799999	0.55	0.8	0.849999	0.5	0.85	0.899999	0.45	0.9	0.949999	0.4	0.95	1.000000	0.35
Coverage Level Percent		Subsidy Factors																							
Low	High																								
0.7	0.799999	0.55																							
0.8	0.849999	0.5																							
0.85	0.899999	0.45																							
0.9	0.949999	0.4																							
0.95	1.000000	0.35																							
<SUBSIDY>	21	9(10)	nearest whole dollar	Total Premium multiplied by Subsidy Factor. If Beginning/Veteran Farmer Rancher is applicable, this amount contains the +10% increase in subsidy added to the base subsidy.																					

**LIVESTOCK RISK PROTECTION (LRP)
LIABILITY/PREMIUM CALCULATIONS**
Edit Description

<PRODUCER_PREMIUM>	26	9(10)	nearest whole dollar	Premium after subsidy. Total Premium minus Subsidy.
Base Subsidy	Internal	9(10)	nearest whole dollar	The subsidy would have been without alterations due to BFR or VFR.
<BFR_SUBSIDY>	28	9(10)	nearest whole dollar	Beginning/Veteran Farmer Rancher Subsidy. 0.10 (10%) of the Total Premium.
<CC_SUB_RED_PCT>	29	9.9999	4 decimal places	Share reduction of the policy that is in violation of Conservation Compliance.
<CC_SUB_RED_AMT>	30	9(10)	Nearest whole dollar	Subsidy reduction for Conservation Compliance based on the CC SUB RED PCT.
<AOEXPENSE_SUBSIDY>	27	9(10).99	dollar and cents	Total Premium multiplied by AOExpense Subsidy Percent.