

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

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

**INSURED VALUE (LIABILITY)**

$$\begin{array}{cccccc} \text{INSURED\_VALUE} = & \text{NUMBER\_HEAD} * & \text{TARGET\_WEIGHT} * & \text{COVERAGE\_PRICE} * & \text{SHARE} \\ \text{(field 28)} & \text{(field 21)} & \text{(field 22)} & \text{(field 24)} & \text{(field 27)} \end{array}$$

**TOTAL PREMIUM**

$$\begin{array}{ccc} \text{TOTAL\_PREMIUM} = & \text{INSURED\_VALUE} * & \text{RATE} \\ \text{(field 31)} & \text{(field 28)} & \text{(field 29)} \end{array}$$

**PRODUCER PREMIUM**

$$\begin{array}{ccc} \text{SUBSIDY} = & \text{TOTAL\_PREMIUM} * & \text{Subsidy Factor} \\ \text{(field 32)} & \text{(field 31)} & \text{(Internal*)} \end{array}$$

$$\begin{array}{ccc} \text{PRODUCER\_PREMIUM} = & \text{TOTAL\_PREMIUM} - & \text{SUBSIDY} \\ \text{(field 37)} & \text{(field 31)} & \text{(field 32)} \end{array}$$

**\*Subsidy Factor for LRP is .130.**

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<b>Tag</b>	<b>No.</b>	<b>Picture</b>	<b>Rounding</b>	<b>Description</b>
<NUMBER_HEAD>	21	9(08)	whole number	Number of Head covered by the endorsement. Can't exceed 10,000 per endorsement and 32,000 per policy.
<TARGET_WEIGHT>	22	9999.99	nearest cwt	Expected weight of the livestock, per head.
<COVERAGE_PRICE>	24	9999.999	per ADM	Obtain from ADM L Suffix D. Level of protection on a dollar per cwt basis and result of expected ending value multiplied by the coverage level.
<SHARE>	27	9.999	3 decimal places	Percentage of insured interest in the covered livestock.
<INSURED_VALUE>  (Liability)	28	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>	29	.999999	per ADM	Obtain from ADM L Suffix D.
<TOTAL_PREMIUM>	31	9(10)	nearest whole dollar	Premium including subsidy. Insured Value multiplied by rate.
Subsidy Factor	Internal	.999	3 decimal places	Subsidy Factor for LRP is .130. Subsidy percent converted to factor.
<SUBSIDY>	32	9(10)	nearest whole dollar	Total Premium multiplied by Subsidy Factor.
<PRODUCER_PREMIUM>	37	9(10)	nearest whole dollar	Premium after subsidy. Total Premium minus Subsidy.