

**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 is .130.**

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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 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>	16	9.999	3 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 ADM L Suffix D.
<TOTAL_PREMIUM>	20	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>	21	9(10)	nearest whole dollar	Total Premium multiplied by Subsidy Factor.
<PRODUCER_PREMIUM>	26	9(10)	nearest whole dollar	Premium after subsidy. Total Premium minus Subsidy.