Edit Description

Livestock Gross Margin (LGM) (Insurance Plan Code 82)

GROSS MARGIN GUARANTEE

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EXPECTED GROSS MARGIN = (TARGET_MARKET_2 * EXP_GROSS_MARGIN_2) +
     (Internal)
                                (field 7)
                                                       (field 17)
      (TARGET_MARKET_3 * EXP_GROSS_MARGIN_3) + (TARGET_MARKET_4 *
             (field 8)
                                    (field 18)
                                                              (field 9)
      EXP GROSS MARGIN 4) + (TARGET MARKET 5 * EXP GROSS MARGIN 5) +
             (field 19)
                                    (field 10)
                                                              (field 20)
       (TARGET_MARKET_6 * EXP_GROSS_MARGIN_6) + (TARGET_MARKET_7 *
             (field 11)
                                  (field 21)
                                                              (field 12)
      EXP_GROSS_MARGIN_7) + (TARGET_MARKET_8 * EXP_GROSS_MARGIN_8) +
             (field 22)
                                  (field 13)
                                                              (field 23)
      (TARGET MARKET 9 * EXP GROSS MARGIN 9) + (TARGET MARKET 10 *
             (field 14)
                                  (field 24)
                                                              (field 15)
      EXP GROSS MARGIN 10) + (TARGET MARKET 11 * EXP GROSS MARGIN 11)
             (field 25)
                                   (field 16)
                                                              (field 26)
FOR SWINE:
GROSS_MARGIN_GUAR = EXPECTED GROSS MARGIN * COVERAGE LEVEL
      (field 28)
                                 (Internal)
                                                       (Internal)
FOR CATTLE:
GROSS MARGIN GUAR = EXPECTED GROSS MARGIN - (DEDUCTIBLE *
      (field 28)
                                                       (field 27)
                                 (Internal)
      TOTAL TARGET MARKETINGS)
             (Internal)
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Note: For Cattle, gross margin guarantee can be negative.

LIABILITY

FOR SWINE:

LIABILITY = GROSS_MARGIN_GUAR (field 29) (field 28)

FOR CATTLE:

LIABILITY = AVG CME PRICE * 12.5 * TOTAL TARGET MARKETINGS (field 29) (Internal) (Internal)

Edit Description

SIMULATED LOSSES

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SIMULATED GROSS MARGINS(i) =
       (Internal)
       (SECOND MONTH GROSS MARGIN DRAW(i) * TARGET_MARKET_2) +
                                                       (field 7)
                    (Internal)
       (THIRD MONTH GROSS MARGIN DRAW(i) * TARGET_MARKET_3) +
                    (Internal)
                                                       (field 8)
       (FOURTH MONTH GROSS MARGIN DRAW(i) * TARGET MARKET 4) +
                    (Internal)
                                                       (field 9)
       (FIFTH MONTH GROSS MARGIN DRAW(i) * TARGET_MARKET_5) +
                    (Internal)
                                                       (field 10)
       (SIXTH MONTH GROSS MARGIN DRAW(i) * TARGET_MARKET_6) +
                    (Internal)
                                                       (field 11)
      (SEVENTH MONTH GROSS MARGIN DRAW(i) * TARGET_MARKET_7) +
                    (Internal)
                                                       (field 12)
      (EIGHTH MONTH GROSS MARGIN DRAW(i) * TARGET MARKET 8) +
                    (Internal)
                                                       (field 13)
      (NINTH MONTH GROSS MARGIN DRAW(i) * TARGET_MARKET_9) +
                    (Internal)
                                                       (field 14)
      (TENTH MONTH GROSS MARGIN DRAW(i) * TARGET MARKET 10) +
                                                       (field 15)
                    (Internal)
      (ELEVENTH MONTH GROSS MARGIN DRAW(i) * TARGET_MARKET_11)
                    (Internal)
                                                       (field 16)
      Note: (i) = 1,2,...,5000
SIMULATED\_LOSSES = \sum (MAX (GROSS\_MARGIN\_GUAR - SIMULATED GROSS MARGINS(i), 0))
   (field 30)
                                  (field 28)
                                                              (Internal)
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Note: For Swine, only use simulated gross margins greater than zero in calculation. For Cattle, negative simulated gross margins will be included.

TOTAL PREMIUM

TOTAL_PREMIUM = 1.03 * (1/5,000) * SIMULATED_LOSSES (field 31) (field 30)

PRODUCER PREMIUM

PRODUCER_PREMIUM = TOTAL_PREMIUM (field 37) (field 31)

Note: Subsidy not applicable for LGM.

Edit Description

Tag	No.	Picture	Rounding	Description
<target_market_2></target_market_2>	7	9(05)	whole number	Number of swine or cattle the insured expects to market in the second month of the insurance period.
<exp_gross_ MARGIN_2></exp_gross_ 	17	(+/-) 9999.9999	per ADM	Expected Gross Margin per swine or cattle for Second Month from ADM L Suffix P. Only the negative symbol (-) will appear if applicable.
<target_market_3></target_market_3>	8	9(05)	whole number	Number of swine or cattle the insured expects to market in the third month of the insurance period.
<exp_gross_ MARGIN_3></exp_gross_ 	18	(+/-) 9999.9999	per ADM	Expected Gross Margin per swine or cattle for Third Month from ADM L Suffix P. Only the negative symbol (-) will appear if applicable.
<target_market_4></target_market_4>	9	9(05)	whole number	Number of swine or cattle the insured expects to market in the fourth month of the insurance period.
<exp_gross_ MARGIN_4></exp_gross_ 	19	(+/-) 9999.9999	per ADM	Expected Gross Margin per swine or cattle for Fourth Month from ADM L Suffix P. Only the negative symbol (-) will appear if applicable.
<target_market_5></target_market_5>	10	9(05)	whole number	Number of swine or cattle the insured expects to market in the fifth month of the insurance period.
<exp_gross_ MARGIN_5></exp_gross_ 	20	(+/-) 9999.9999	per ADM	Expected Gross Margin per swine or cattle for Fifth Month from ADM L Suffix P. Only the negative symbol (-) will appear if applicable.
<target_market_6></target_market_6>	11	9(05)	whole number	Number of swine or cattle the insured expects to market in the sixth month of the insurance period.
<exp_gross_ MARGIN_6></exp_gross_ 	21	(+/-) 9999.9999	per ADM	Expected Gross Margin per swine or cattle for Sixth Month from ADM L Suffix P. Only the negative symbol (-) will appear if applicable.
<target_market_7></target_market_7>	12	9(05)	whole number	Number of cattle the insured expects to market in the seventh month of the insurance period. Not applicable for swine.

Edit Description

Tag	No.	Picture	Rounding	Description
<exp_gross_ MARGIN_7></exp_gross_ 	22	(+/-) 9999.9999	per ADM	Expected Gross Margin per cattle for Seventh Month from ADM L Suffix P. Only the negative symbol (-) will appear if applicable. Not applicable for swine.
<target_market_8></target_market_8>	13	9(05)	whole number	Number of cattle the insured expects to market in the eighth month of the insurance period. Not applicable for swine.
<exp_gross_ MARGIN_8></exp_gross_ 	23	(+/-) 9999.9999	per ADM	Expected Gross Margin per cattle for Eighth Month from ADM L Suffix P. Only the negative symbol (-) will appear if applicable. Not applicable for swine.
<target_market_9></target_market_9>	14	9(05)	whole number	Number of cattle the insured expects to market in the ninth month of the insurance period. Not applicable for swine.
<exp_gross_ MARGIN_9></exp_gross_ 	24	(+/-) 9999.9999	per ADM	Expected Gross Margin per cattle for Ninth Month from ADM L Suffix P. Only the negative symbol (-) will appear if applicable. Not applicable for swine.
<target_market_10></target_market_10>	15	9(05)	whole number	Number of cattle the insured expects to market in the tenth month of the insurance period. Not applicable for swine.
<exp_gross_ MARGIN_10></exp_gross_ 	25	(+/-) 9999.9999	per ADM	Expected Gross Margin per cattle for Tenth Month from ADM L Suffix P. Only the negative symbol (-) will appear if applicable. Not applicable for swine.
<target_market_11></target_market_11>	16	9(05)	whole number	Number of cattle the insured expects to market in the eleventh month of the insurance period. Not applicable for swine.

Edit Description

Tag	No.	Picture	Rounding	Description
<exp_gross_ MARGIN_11></exp_gross_ 	26	(+/-) 9999.9999	per ADM	Expected Gross Margin per cattle for Eleventh Month from ADM L Suffix P. Only the negative symbol (-) will appear if applicable. Not applicable for swine.
EXPECTED GROSS MARGIN	Internal	9(10).99	dollars and cents	Sum of (Target Marketings by month times Expected Gross Margins by month).
COVERAGE LEVEL	Internal	9.999999	NA	For swine, coverage level submitted under the crop policy section. Not applicable for cattle.
<deductible></deductible>	27	9(04)	NA	For cattle, deductible submitted. Not applicable for swine.
TOTAL TARGET MARKETINGS	Internal	9(05)	NA	For cattle, sum of Target Marketings by month. Not applicable for swine.
<gross_margin_ GUAR></gross_margin_ 	28	(+/-) 9(10).99	dollar and cents	For swine, Expected Gross Margin times Coverage Level. For cattle, Expected Gross Margin minus (Deductible times Total Target Marketings). Symbols apply to cattle and only the negative symbol (-) will appear if applicable.
AVG CME PRICE	Internal	999.99	NA	3-Day Avg CME Cwt Price from ADM L Suffix P.
<liability></liability>	29	9(10)	nearest whole dollar	For swine, Gross Margin Guarantee rounded to the nearest whole dollar. For cattle, the result of Avg CME Price times 12.5 times Total Target Marketings rounded to the nearest whole dollar.
SECOND MONTH GROSS MARGIN DRAW(i)	Internal	(+/-) 9999.99	per ADM	Second Month Gross Margin Draw from ADM L Suffix C.
THIRD MONTH GROSS MARGIN DRAW(i)	Internal	(+/-) 9999.99	per ADM	Third Month Gross Margin Draw from ADM L Suffix C.
FOURTH MONTH GROSS MARGIN DRAW(i)	Internal	(+/-) 9999.99	per ADM	Fourth Month Gross Margin Draw from ADM L Suffix C.
FIFTH MONTH GROSS MARGIN DRAW(i)	Internal	(+/-) 9999.99	per ADM	Fifth Month Gross Margin Draw from ADM L Suffix C.

LIVESTOCK GROSS MARGIN (LGM) LIABILITY/PREMIUM CALCULATIONS **Edit Description**

Tag	No.	Picture	Rounding	Description
SIXTH MONTH GROSS MARGIN DRAW(i)	Internal	(+/-) 9999.99	per ADM	Sixth Month Gross Margin Draw from ADM L Suffix C.
SEVENTH MONTH GROSS MARGIN DRAW(i)	Internal	(+/-) 9999.99	per ADM	Seventh Month Gross Margin Draw from ADM L Suffix C. Not applicable for swine.
EIGHTH MONTH GROSS MARGIN DRAW(i)	Internal	(+/-) 9999.99	per ADM	Eighth Month Gross Margin Draw from ADM L Suffix C. Not applicable for swine.
NINTH MONTH GROSS MARGIN DRAW(i)	Internal	(+/-) 9999.99	per ADM	Ninth Month Gross Margin Draw from ADM L Suffix C. Not applicable for swine.
TENTH MONTH GROSS MARGIN DRAW(i)	Internal	(+/-) 9999.99	per ADM	Tenth Month Gross Margin Draw from ADM L Suffix C. Not applicable for swine.
ELEVENTH MONTH GROSS MARGIN DRAW(i)	Internal	(+/-) 9999.99	per ADM	Eleventh Month Gross Margin Draw from ADM L Suffix C. Not applicable for swine.
SIMULATED GROSS MARGINS(i)	Internal	9(10).99	dollars and cents	Simulated Gross Margins(i) is the sum of (Gross Margin Draws(i) times Target Marketings by month).
<simulated_ LOSSES></simulated_ 	30	9(10).99	dollars and cents	Sum of (MAX (Gross Margin Guarantee minus Simulated Gross Margins(i)), 0).
<total_premium></total_premium>	31	9(10)	nearest whole dollar	The result of 1.03 times (1/5,000) times Simulated Losses.
<producer_premium></producer_premium>	37	9(10)	nearest whole dollar	Producer Premium equals Total Premium.

Note: (i) = 1,2,..., 5000