

Exhibit Name: DRP Indemnity Calculations

Exhibit Number: P28-1, Plan 83

Record Name: DRP Indemnity

Record Code: P28

Reinsurance Year: 2025

Version: Comment

Release Date: 3/14/2024

Insurance Plan Code 83 Dairy Revenue Protection

Commodity Code 0830 Milk

| Calculations | Field Name | Record Number | Field Number | Field Format | Field Rounding | Rules |
|---|---|---------------|--------------|--------------|----------------|-------|
| Section 1: Yield Adjustment Factor Calculation | | | | | | |
| YieldAdjustmentFactor = Round(ActualYield / ExpectedYield,4) | Yield Adjustment Factor | P28 | 25 | 9.9999 | 4 decimals | |
| | Actual Yield | A00832 | 7 | 9999 | None | |
| | Expected Yield | A00832 | 6 | 9999 | None | |
| Section 2: Covered Milk Production | | | | | | |
| Covered Milk Production = Round(Min (Total Producer Declared Production , Total Milk Marketings/ 0.85) * Declared Covered Milk Production / Total Producer Declared Production,0) | Covered Milk Production | P28 | 15 | 9999999999 | 0 decimals | |
| | Total Producer Declared Production | P29 | 14 | 9999999999 | None | |
| | Total Milk Marketings | P28 | 14 | 9999999999 | None | |
| | Declared Covered Milk Production | P18 | 28 | 9999999999 | None | |
| Section 3: Class Price Loss Calculation | | | | | | |
| ActualMilkRevenue = Round(Round(Round(Round((ActualClassIIIPrice * DeclaredClassPriceWeightingFactor),4) + Round((ActualClassIVPrice * (1 - DeclaredClassPriceWeightingFactor)),4),4) * CoveredMilkProduction * YieldAdjustmentFactor,4) / 100.00,0) | Actual Milk Revenue | P28 | 21 | 9999999999 | 0 decimals | |
| | Actual Class III Price | A00834 | 17 | 999.9999 | None | |
| | Declared Class Price Weighting Factor | P18 | 30 | 9.99 | None | |
| | Actual Class IV Price | A00834 | 18 | 999.9999 | None | |
| | Covered Milk Production | P28 | 15 | 9999999999 | None | |
| | Yield Adjustment Factor | P28 | 25 | 9.9999 | None | |
| Final Milk Revenue = When Class Price Weighting Factor Restricted Value is not published: ROUND((ROUND((ROUND(ROUND((ExpectedClassIIIPrice * DeclaredClassPriceWeightingFactor), 4) + ROUND((ExpectedClassIVPrice * (1 - DeclaredClassPriceWeightingFactor)), 4)), 4) * CoveredMilkProduction), 4) / 100.00), 0) When Class Price Weighting Factor Restricted Value is equal to 1: ROUND((ROUND((ExpectedClassIIIPrice * CoveredMilkProduction), 4) / 100.00), 0) When Class Price Weighting Factor Restricted Value is equal to 0: ROUND((ROUND((ExpectedClassIVPrice * CoveredMilkProduction), 4) / 100.00), 0) | Final Milk Revenue | P28 | 22 | 9999999999 | 0 decimals | |
| | Expected Class III Price | A00833 | 37 | 999.9999 | None | |
| | Declared Class Price Weighting Factor | P18 | 30 | 9.99 | None | |
| | Expected Class IV Price | A00833 | 38 | 9999.9999 | None | |
| | Covered Milk Production | P28 | 15 | 9999999999 | None | |
| | Class Price Weighting Factor Restricted Value | A00833 | 54 | 9.99 | None | |
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| Section 4: Component Price Loss Calculation | | | | | | |
| FinalButterfatTest = ROUND(Min(Declared Butterfat Test, Actual Butterfat Tes/ 0.9), 2) | Final Butterfat Test | P28 | 17 | 9.99 | 2 decimals | |
| | Actual Butterfat Test | P28 | 16 | 9.99 | 2 decimals | |
| | Declared Butterfat Test | P18 | 31 | 9.99 | 2 decimals | |
| FinalProteinTest = ROUND(Min(Declared Protein Test, Actual Protein Test/ 0.9), 2) | Final Protein Test | P28 | 19 | 9.99 | 2 decimals | |
| | Actual Protein Test | P28 | 18 | 9.99 | 2 decimals | |
| | Declared Protein Test | P18 | 32 | 9.99 | 2 decimals | |
| ActualMilkRevenue = Round((Round(DeclaredComponentPriceWeightingFactor * (Round(ActualButterfatPrice * FinalButterfatTest, 4) + Round(ActualProteinPrice * FinalProteinTest, 4) + Round(ActualOtherSolidsPrice * 5.7, 4)), 4) + Round((1 - DeclaredComponentPriceWeightingFactor) * (Round(ActualButterfatPrice * FinalButterfatTest, 4) + Round(ActualNonfatSolidsPrice * (FinalProteinTest + 5.7), 4)), 4)) * (CoveredMilkProduction * ActualYieldAdjustmentFactor / 100.00), 0) | Actual Milk Revenue | P28 | 21 | 9999999999 | 0 decimals | |
| | Actual Butterfat Price | A00834 | 18 | 999.9999 | None | |
| | Final Butterfat Test | P28 | 17 | 9.99 | 2 decimals | |
| | Actual Protein Price | A00834 | 19 | 999.9999 | None | |
| | Final Protein Test | P28 | 19 | 9.99 | 2 decimals | |
| | Actual Other Solids Price | A00834 | 20 | 999.9999 | None | |
| | Declared Component Price Weighting Factor | P18 | 33 | 9.99 | None | |
| | Actual Nonfat Solids Price | A00834 | 22 | 999.9999 | None | |
| | Covered Milk Production | P28 | 15 | 9999999999 | None | |
| | Yield Adjustment Factor | P28 | 25 | 9.9999 | None | |
| Final Milk Revenue = | Final Milk Revenue | P28 | 22 | 9999999999 | 0 decimals | |
| When Component Price Weighting Factor Restricted Value is not published: ROUND((ROUND(Declared Component Price Weighting Factor * (ROUND(Expected Butterfat Price * Final Butterfat Test, 4) + ROUND(Expected Protein Price * Final Protein Test, 4) + ROUND(Expected Other Solids Price * 5.7, 4)), 4) + ROUND((1 - Declared Component Price Weighting Factor) * (ROUND(Expected Butterfat Price * Final Butterfat Test, 4) + ROUND(Expected Nonfat Solids Price * (Final Protein Test + 5.7), 4)), 4)) * (Covered Milk Production / 100.00), 0) | Expected Butterfat Price | A00833 | 39 | 999.9999 | None | |
| | Final Butterfat Test | P28 | 17 | 9.99 | None | |
| | Expected Protein Price | A00833 | 40 | 999.9999 | None | |
| | Declared Component Price Weighting Factor | P18 | 33 | 9.99 | None | |
| | Expected Nonfat Solids Price | A00833 | 52 | 999.9999 | None | |
| | Final Protein Test | P28 | 19 | 9.99 | None | |
| When Component Price Weighting Factor Restricted Value is 1: ROUND(ROUND((ROUND(Expected Butterfat Price * Final Butterfat Test, 4) + ROUND(Expected Protein Price * Final Protein Test, 4) + ROUND(Expected Other Solids Price * 5.7, 4)), 4) * (Covered Milk Production / 100.00), 0) | Expected Other Solids Price | A00833 | 41 | 999.9999 | None | |
| | Covered Milk Production | P28 | 15 | 9999999999 | None | |
| When Component Price Weighting Factor Restricted Value is 0: ROUND(ROUND((ROUND(Expected Butterfat Price * Final Butterfat Test, 4) + ROUND(Expected Nonfat Solids Price * (Final Protein Test + 5.7), 4)), 4) * (Covered Milk Production / 100.00), 0) | Component Price Weighting Factor Restricted Value | A00833 | 53 | 9.99 | None | |

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| Insurance Plan Code | 83 Dairy Revenue Protection |
| Commodity Code | 0830 Milk |

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| Section 5: Indemnity Calculation | | | | | | |
| FinalRevenueGuarantee = ROUND((Final Milk Revenue * Coverage Level Percent), 0) | Final Revenue Guarantee | P28 | 23 | 9999999999 | 0 decimals | |
| | Coverage Level Percent | P18 | 27 | 9.99 | None | |
| | Final Milk Revenue | P28 | 22 | 9999999999 | | |
| Preliminary Indemnity Amount = ROUND((MAX(Final Revenue Guarantee - Actual Milk Revenue, 0) * Actual Share * Protection Factor), 0) | Preliminary Indemnity Amount | Internal | | 9999999999 | 0 decimals | |
| | Final Revenue Guarantee | P28 | 23 | 9999999999 | None | |
| | Actual Milk Revenue | P28 | 21 | 9999999999 | None | |
| | Actual Share | P28 | 20 | 9.9999 | None | |
| | Protection Factor | P18 | 29 | 9.9999 | None | |
| Indemnity Amount = When Disaster Declaration Flag = N: Preliminary Indemnity Amount When Disaster Declaration Flag = Y : MIN(Producer Premium Amount, Preliminary Indemnity Amount) | Indemnity Amount | P28 | 25 | 9999999999 | 0 decimals | |
| | Disaster Declaration Flag | P28 | 24 | 9 | None | |
| | Producer Premium Amount | P18 | 46 | 9999999999 | None | |