

| Exhibit Name: DRP Indemnity Calculations Exhibit Number: P28-1, Plan 83 Record Name: DRP Indemnity Record Code: P28 Reinsurance Year: 2020 Version: Approved Release Date: 7/1/2019 | | | | | | |
|--|------------------------------------|-----------------------------|---------------------|---------------------|-----------------------|--------------|
| Insurance Plan Code | | 83 Dairy Revenue Protection | | | | |
| Commodity Code | | 0830 Milk | | | | |
| <u>Calculations</u> | <u>Field Name</u> | <u>Record Number</u> | <u>Field Number</u> | <u>Field Format</u> | <u>Field Rounding</u> | <u>Rules</u> |
| Section 1: Yield Adjustment Factor Calculation | | | | | | |
| YieldAdjustmentFactor = Round(ActualYield / ExpectedYield, 2) | Yield Adjustment Factor | P28 | 25 | 9.99 | 2 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 | 11 | 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 * ClassPriceWeightingFactor),4) + Round((ActualClassIVPrice * (1 - ClassPriceWeightingFactor)),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 | |
| | Class Price Weighting Factor | P18 | 30 | 9.9999 | 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 | |
| FinalMilkRevenue = Round(Round(Round(Round((ExpectedClassIIIPrice * ClassPriceWeightingFactor),4) + Round((ExpectedClassIVPrice * (1-ClassPriceWeightingFactor)), 4) , 4) * CoveredMilkProduction,4) / 100.00, 0) | Final Milk Revenue | P28 | 22 | 9999999999 | 0 decimals | |
| | Expected Class III Price | A00833 | 37 | 999.9999 | None | |
| | Class Price Weighting Factor | P18 | 30 | 999.9999 | None | |
| | Expected Class IV Price | A00833 | 38 | 9999.9999 | None | |
| | Covered Milk Production | P28 | 15 | 9999999999 | None | |
| Section 4: Component Price Loss Calculation | | | | | | |
| FinalButterfatTest = ROUND(Min(Declared Butterfat Test, Actual Butterfat Tes/ 0.9), 2) | Final Butterfat Test | P28 | 17 | 99.99 | 2 decimals | |
| | Actual Butterfat Test | P28 | 16 | 99.99 | 2 decimals | |
| | Declared Butterfat Test | P18 | 31 | 99.99 | 2 decimals | |
| FinalProteinTest = ROUND(Min(Declared Protein Test, Actual Protein Test/ 0.9), 2) | Final Protein Test | P28 | 19 | 99.99 | 2 decimals | |
| | Actual Protein Test | P28 | 18 | 99.99 | 2 decimals | |
| | Declared Protein Test | P18 | 32 | 99.99 | 2 decimals | |

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| ActualMilkRevenue = Round(Round(Round(Round((ActualButterfatPrice * FinalButterfatTest),4) + Round((ActualProteinPrice * FinalProteinTest),4) + Round((ActualOtherSolidsPrice * 5.7),4),4) * CoveredMilkProduction * YieldAdjustmentFactor,4) / 100.00,0) | Actual Milk Revenue | P28 | 21 | 9999999999 | 0 decimals |
| | Actual Butterfat Price | A00834 | 18 | 999.9998 | None |
| | Final Butterfat Test | P28 | 17 | 99.99 | 2 decimals |
| | Actual Protein Price | A00834 | 19 | 999.9998 | None |
| | Final Protein Test | P28 | 19 | 99.98 | 2 decimals |
| | Actual Other Solids Price | A00834 | 20 | 999.9998 | None |
| | Covered Milk Production | P28 | 15 | 9999999999 | None |
| FinalMilkRevenue = Round(Round(Round(Round((ExpectedButterfatPrice * FinalButterfatTest),4) + Round((ExpectedProteinPrice * FinalProteinTest),4) + Round((ExpectedOtherSolidsPrice * 5.7),4),4) * CoveredMilkProduction,4) /100.00,0) | Yield Adjustment Factor | P28 | 25 | 9.9999 | None |
| | Final Milk Revenue | P28 | 22 | 9999999999 | 0 decimals |
| | Expected Butterfat Price | A00833 | 39 | 999.9999 | None |
| | Final Butterfat Test | P28 | 17 | 999.9999 | None |
| | Expected Protein Price | A00833 | 40 | 9999.9999 | None |
| | Final Protein Test | P28 | 19 | 9999999999 | None |
| | Expected Other Solids Price | A00833 | 41 | 999.9999 | None |
| Section 5: Indemnity Calculation | Covered Milk Production | P28 | 15 | 9999999999 | None |
| | Final Revenue Guarantee | P28 | 23 | 9999999999.99 | 0 decimals |
| | Coverage Level Percent | P18 | 27 | 9.9999 | None |
| FinalRevenueGuarantee = Round(FinalMilkRevenue * CoverageLevelPercent,0) | Final Milk Revenue | P28 | 22 | 9999999999 | |
| | Indemnity Amount | P28 | 24 | 9999999999 | 0 decimals |
| IndemnityAmount = Round(MAX(FinalRevenueGuarantee - ActualMilkRevenue, 0) * ActualShare * ProtectionFactor,0) | 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 |
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