Exhibit Name: Indemnity Calculations

Exhibit Number: P21-3, Plan 04, 05, 06, & 13

Record Name: Acreage Claim

Reinsurance Year: 2019 Version: Approved Release Date: 7/1/2018

Record Code: P21 Release Date: 7/1/2018 04 Group Risk Plan/Area Yield Protection 05 Area Revenue Protection 13 Rainfall Index **Insurance Plan Code** 06 Area Revenue Protection with the Harvest Price Exclusion 0011 Wheat 0041 Corn 0081 Sovbeans 0332 Annual Forage **Commodity Code** 0018 Rice 0088 Pasture, Rangeland, Forage 0043 Popcorn 1191 Apiculture 0021 Cotton 0051 Grain Sorghum 0091 Barley 0033 Forage Production 0075 Peanuts 0115 Oysters Field Record Field Field **Field** Calculations Name Number Number **Format** Rounding Rules Section 1: Stage Guarantee Calculation Area Yield Protection, "04", or Area Revenue Protection with Harvest Price Exclusion, "06": When Commodity Codes equals Wheat, "0011", Rice, "0018", Cotton, "0021", Forage Production, "0033", Corn, "0041", Popcorn, "0043", Grain Sorghum, "0051", P21 Acre Stage Guarantee Amount 58 9999999.99 Round to 2 decimals. Peanuts, "0075", Soybeans, "0081", or Barley, "0091": Acre Stage Guarantee = Dollar Amount of Insurance This will be the Dollar Amount of Insurance Dollar Amount of Insurance Internal 99999999.99 Round to 2 decimals. determined on the P11. Area Revenue Protection, "05": When Commodity Codes equals Wheat, "0011", Rice, "0018", Cotton, "0021", Forage Production, "0033", Corn, "0041", Popcorn, "0043", Grain Sorghum, "0051", Acre Stage Guarantee Amount P21 Round to 2 decimals. 58 9999999.99 Soybeans, "0081", or Barley, "0091": Edit with ADM Area Price, "A00810". Expected County Yield will be stored in Expected County Yield ADM 99999999.99 None Expected Index Value in A00810. Projected Price ADM 99999.9999 None Edit with ADM Price, "A00810". Harvest Price ADM 99999.9999 None Edit with ADM Price, "A00810". Acre Stage Guarantee _ Round(Expected County Yield * greater of (Projected Amount Price or Harvest Price) * Price Election Percent, 2) Protection Factor. This will be the Price Election Percent reported on P14 and used in determination of P11 Dollar Amount of Price Election Percent P14 35 9.9999 2 decimal places Insurance. If Native Sod applies to the associated P11 record, the Price Election Percent must equal 0.65 (65%) Group Risk Plan, "04": When Commodity Codes equals Oysters, "0115": P21 99999999.99 Acre Stage Guarantee Amount 58 None Acre Stage Guarantee = Dollar Amount of Insurance **Dollar Amount of Insurance** Internal 99999999.99 None Amount Rainfall Index, "13": When Commodity Code equals Pasture, Rangeland and Forage, "0088", Apiculture, P21 99999999.99 Acre Stage Guarantee Amount 58 None "1191", or Annual Forage, "0332": Dollar Amount of Insurance Internal 9999999.99 None

6/22/2018 Page 1 of 4

Exhibit Name: Indemnity Calculations Exhibit Number: P21-3, Plan 04, 05, 06, & 13

Reinsurance Year: 2019 Version: Approved

Record Name: Acreage Claim Release Date: 7/1/2018 Record Code: P21 05 Area Revenue Protection 04 Group Risk Plan/Area Yield Protection 13 Rainfall Index **Insurance Plan Code** 06 Area Revenue Protection with the Harvest Price Exclusion 0011 Wheat 0041 Corn 0081 Soybeans 0332 Annual Forage **Commodity Code** 0018 Rice 0043 Popcorn 0088 Pasture, Rangeland, Forage 1191 Apiculture 0021 Cotton 0051 Grain Sorghum 0091 Barley 0033 Forage Production 0075 Peanuts 0115 Oysters Field Record <u>Field</u> Field Field Number Calculations Name Number **Format** Rounding Rules Section 2: Loss Guarantee Calculation Area Yield Protection, "04", Area Revenue Protection, "05", or Area Revenue Protection with Harvest Price Exclusion, "06": When Commodity Codes equals Wheat, "0011", Rice, "0018", Cotton, "0021", Forage Production, "0033", Corn, "0041", Popcorn, "0043", Grain Sorghum, "0051", P21 60 Loss Guarantee Amount 99999999.99 Round to whole number Peanuts, "005", Soybeans, "0081", and Barley, "0091": Acre Stage Guarantee Amount * Determined Acreage * Determined Acreage P21 18 99999999.99 None Loss Guarantee Amount = Liability Adjustment Factor * Insured Share Percent Liability Adjustment Factor P21 39 9.999999 None **Insured Share Percent** P11 43 9.9999 None Group Risk Plan, "04": When Commodity Code equals Oysters, "0115": Loss Guarantee Amount P21 60 9999999.99 Round to whole number Loss Guarantee Amount = Acre Stage Guarantee Amount * Determined Pounds **Determined Pounds** P21 20 999999999 None

6/22/2018 Page 2 of 4

Exhibit Name: Indemnity Calculations **Exhibit Number:** P21-3, Plan 04, 05, 06, & 13

Record Name: Acreage Claim

Reinsurance Year: 2019 Version: Approved

| | Record Code: P21 | | | Release Date: 7/1/2018 | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------|------------------------|------------------------|--------------------------|-------------------------------------------------------------------------------|
| | | | | | | | |
| Insurance Plan Code | 04 Group Risk Plan/Area Yield Protection 06 Area Revenue Protection with the Harvest Price Exclu | 05 Area Revenue Protection | | | | | 13 Rainfall Index |
| | 0011 Wheat | 0041 Corn | | | 0081 Soybeans | | 0332 Annual Forage |
| Commodity Code | 0011 Wheat | 0043 Popcorn | 0081 Soybeans 0088 Pasture, Rangeland, Forage | | | | |
| <u>commodity code</u> | | • | 0091 Barley | | | 1191 Apiculture | |
| | 0021 Cotton | 0051 Grain Sorghum | | | | | |
| | 0033 Forage Production | 0075 Peanuts | 0115 Oysters | | | 1 | |
| | Calculations | <u>Field</u> <u>Name</u> | Record Number | <u>Field</u> Number | <u>Field</u> Format | <u>Field</u> Rounding | Rules |
| Rainfall Index, "13": | | | | | | | |
| | | | | | | | |
| When Insurance Plan Code equals Rainfall Index, "13" and Commodity Code equals Pasture, Rangeland and Forage, "0088", or Annual Forage, "0332": | | Loss Guarantee Amount | P21 | 60 | 99999999.99 | Round to whole number | Policy Protection (unit) |
| | | Total Insured Acreage | P11 | 72 | 999999.99 | None | |
| | Round(Acre Stage Guarantee Amount * Total Insured = Acreage * Percent of Value,0) * Insured Share Percent * Liability Adjustment Factor | Percent of Value | P11 | 71 | 9.99 | None | Percent of Value for Annual Forage, "0332", will be pulled from P14 field 45. |
| Loss Guarantee Amount | | Insured Share Percent | P11 | 43 | 9.9999 | None | will be pulled from 124 field 45. |
| | | Liability Adjustment Factor | P21 | 39 | 9.999999 | None | As allowed under Section 6 (h)(2) of RI and V Basic Provisions. |
| When Insurance Plan Code equals Rainfall Index, "13" and Commodity Code equals Apiculture, "1191": | | Loss Guarantee Amount | P21 | 60 | 99999999.99 | Round to whole number | Policy Protection (unit) |
| | Down d/A ava Chaga Cupyanhaa Amayunt * Tatal Ingurad | Total Insured Colonies | P11 | 73 | 9999999 | None | |
| Loss Guarantee Amount | = Round(Acre Stage Guarantee Amount * Total Insured Colonies * Percent of Value,0) * Insured Share Percent | Percent of Value | P11 | 71 | 9.99 | None | |
| | | Insured Share Percent | P11 | 43 | 9.9999 | None | |
| Section 3: Indemnity Calcu | ulation | | | | | | |
| Area Yield Protection, "04", Area Revenue Protection, "05", or Area Revenue Protection with Harvest Price Exclusion, "06": | | | | | | | |
| Forage Production, "0033" | equals Wheat, "0011", Rice, "0018", Cotton, "0021", ', Corn, "0041", Popcorn, "0043", Grain Sorghum, "0051", s, "0081", or Barley, "0091": | Preliminary Indemnity Amount | P21 | 62 | S9999999999 | Round to whole number | |
| Preliminary Indemnity Amount | = Loss Guarantee Amount * Payment Factor | Payment Factor | ADM | | 9.999 | None | Edit with ADM Area Coverage Level, "A01130". |

6/22/2018 Page 3 of 4

Exhibit Name: Indemnity Calculations Exhibit Number: P21-3, Plan 04, 05, 06, & 13

Record Name: Acreage Claim

Reinsurance Year: 2019 Version: Approved Release Date: 7/1/2018

Edit with ICE Multiple Cropping, "D00063".

Not applicable for Apiculture.

Record Code: P21 04 Group Risk Plan/Area Yield Protection 05 Area Revenue Protection 13 Rainfall Index **Insurance Plan Code** 06 Area Revenue Protection with the Harvest Price Exclusion 0011 Wheat 0041 Corn 0081 Soybeans 0332 Annual Forage **Commodity Code** 0018 Rice 0043 Popcorn 0088 Pasture, Rangeland, Forage 1191 Apiculture 0021 Cotton 0051 Grain Sorghum 0091 Barley 0033 Forage Production 0075 Peanuts 0115 Oysters Field Record <u>Field</u> Field Field Number Calculations Name Number **Format** Rounding Rules Group Risk Plan, "04": P21 62 S999999999 Round to whole number Preliminary Indemnity Amount When Commodity Code equals Oysters, "0115": Insured Share Percent P11 43 9.9999 None $\frac{\text{Preliminary Indemnity}}{\text{Amount}} = \frac{\text{Loss Guarantee Amount * Insured Share Percent *}}{\text{Payment Factor * Misreported Information Factor}}$ Edit with ADM Area Coverage Level, ADM 9.999 Payment Factor None "A01130". Misreported Information Factor P21 46 9.999999 None When Insurance Plan Code equals Rainfall Index, "13": **Preliminary Indemnity Amount** P21 62 S999999999 Round to whole number Edit with ADM Area Coverage Level, Payment Factor ADM 9.999999 None "A01130". All Plans: Indemnity Amount P21 63 S999999999 Round to whole number Preliminary Indemnity Amount * Multiple Commodity Indemnity Amount =

ICE

9999.999

None

Multiple Commodity Adjustment

Factor

6/22/2018 Page 4 of 4

Adjustment Factor