

Exhibit Name: Indemnity Calculations
 Exhibit Number: P21-13, Plans 16 & 17
 Record Name: Acreage Claim
 Record Code: P21

Reinsurance Year: 2018
 Version: Draft
 Release Date: 8/1/2019

| | | |
|----------------------------|----------------------|--|
| Insurance Plan Code | 16 Margin Protection | 17 Margin Protection with Harvest Price Option |
|----------------------------|----------------------|--|

| | | | | |
|-----------------------|------------|-----------|-----------|---------------|
| Commodity Code | 0011 Wheat | 0018 Rice | 0041 Corn | 0081 Soybeans |
|-----------------------|------------|-----------|-----------|---------------|

| Calculations | Field Name | Record Number | Field Number | Field Format | Field Rounding | Rules |
|--------------|------------|---------------|--------------|--------------|----------------|-------|
|--------------|------------|---------------|--------------|--------------|----------------|-------|

Section 1: Stage Guarantee Calculation

| | | | | | | |
|--|-----------------------------|----------|----|--------------|----------------------|--|
| When Insurance Plan Code equals 16: $\text{Trigger Margin Amount} = \text{Expected Margin Amount} - [(\text{Expected Revenue Amount}) * (1.00 - \text{Coverage Level Percent})]$ | Trigger Margin Amount | Internal | | 99999999.99 | Round to 2 decimals | |
| | Expected Margin Amount | ADM | | 99999.999999 | | Edit with ADM Price, "A00810". |
| | Coverage Level Percent | P14 | 34 | | | |
| | Expected Revenue Amount | ADM | | 99999999.99 | Round to 2 decimals | Edit with ADM Price, "A00810". |
| When Insurance Plan Code equals 17: $\text{Trigger Margin Amount} = \text{Expected County Yield} * \text{MAX}(\text{Projected Price, Harvest Price}) - (\text{Expected Revenue Amount} - \text{Expected Margin Amount}) - [\text{Expected County Yield} * \text{MAX}(\text{Projected Price, Harvest Price})] * (1 - \text{Coverage Level Percent})$ | Trigger Margin Amount | Internal | | 99999999.99 | Round to 2 decimals. | |
| | Expected County Yield | ADM | | 99999999.99 | None | Edit with ADM Price, "A00810". Expected County Yield will be stored in Expected Index Value in "A00810". |
| | Projected Price | ADM | | 99999.9999 | | Edit with ADM Price, "A00810". |
| | Harvest Price | ADM | | 99999.9999 | | Edit with ADM Price, "A00810". |
| For Both Plans: $\text{Acre Stage Guarantee Amount} = \text{MAX}(\text{Trigger Margin Amount} - \text{Final Margin Amount}, 0)$ | Acre Stage Guarantee Amount | P21 | 58 | 99999999.99 | Round to 2 decimals | The larger of subtraction or zero. |
| | Final Margin Amount | ADM | | 99999.999999 | | Edit with ADM Price, "A00810". |

Section 2: Loss Guarantee Calculation

| | | | | | | |
|---|-----------------------------|----------|----|-------------|-----------------------|---|
| When Insurance Plan Code equals 16: $\text{Loss Guarantee Amount} = \text{Amount} * \text{Price Election Percent} * \text{Determined Acreage} * \text{Insured Share Percent} * \text{Liability Adjustment Factor}$ | Loss Guarantee Amount | P21 | 60 | 99999999.99 | Round to whole number | |
| | Dollar Amount of Insurance | Internal | | 99999999.99 | None | The P11 Dollar Amount of Insurance used in determination of P11 Liability. |
| | Determined Acreage | P21 | 18 | 99999999.99 | None | |
| | Insured Share Percent | P11 | 43 | 9.9999 | None | |
| | Price Election Percent | P14 | 35 | 9.9999 | 2 decimal places | Protection Factor. This will be the Price Election Percent reported on the P14 and used in determination of P11 Dollar Amount of Insurance. If Native Sod applies to the associated P11 record, the Price Election Percent MUST equal 0.65 (65%). |
| | Liability Adjustment Factor | P21 | 39 | 9.999999 | None | |

Exhibit Name: Indemnity Calculations
 Exhibit Number: P21-13, Plans 16 & 17
 Record Name: Acreage Claim
 Record Code: P21

Reinsurance Year: 2018
 Version: Draft
 Release Date: 8/1/2019

| | | |
|----------------------------|----------------------|--|
| Insurance Plan Code | 16 Margin Protection | 17 Margin Protection with Harvest Price Option |
|----------------------------|----------------------|--|

| | | | | |
|-----------------------|------------|-----------|-----------|---------------|
| Commodity Code | 0011 Wheat | 0018 Rice | 0041 Corn | 0081 Soybeans |
|-----------------------|------------|-----------|-----------|---------------|

| Calculations | Field Name | Record Number | Field Number | Field Format | Field Rounding | Rules |
|--|----------------------------------|---------------|--------------|--------------|-----------------------|---|
| When Insurance Plan Code equals 17: Final Dollar Amount of Insurance = MAX(Projected Price, Harvest Price) * Expected County Yield * Coverage Level Percent * Price Election Percent | Final Dollar Amount of Insurance | Internal | | 99999999.99 | None | Calculated Value. This is not the Dollar Amount of Insurance used to determine the P11 liability. |
| Loss Guarantee Amount = MIN(Final Dollar Amount of Insurance, Acre Stage Guarantee Amount * Price Election Percent) * Determined Acreage * Insured Share Percent * Liability Adjustment Factor | Loss Guarantee Amount | P21 | 60 | 99999999.99 | Round to whole number | |
| | Liability Adjustment Factor | P21 | 39 | 9.999999 | None | |

Section 3: Indemnity Calculation

| | | | | | | |
|--|--|----------|----|------------|-----------------------|---|
| With Base (companion) policy (all unit structures): | Preliminary Indemnity Amount | P21 | 62 | S999999999 | Round to whole number | |
| Without Enterprise Unit: Preliminary Indemnity Amount = MIN(MAX(Loss Guarantee Amount - Base (Companion) Policy Preliminary Indemnity Amount, 0), Loss Guarantee Amount) | Base (Companion) Policy Preliminary Indemnity Amount | Internal | | S999999999 | Round to whole number | Enterprise Unit Structure: When the resulting calculation is a negative amount use zero, "0". An MP P21 record will still need to be created in the scenario when Base (Companion) Policy Preliminary Indemnity Amount is 0 because no claim was made on the base policy. |
| With Enterprise Unit: Preliminary Indemnity Amount = (MAX((Loss Guarantee Amount - MAX(Base (Companion) Policy Preliminary Indemnity Amount, 0), 0)) | | | | | | |
| Without Base (companion) policy: Preliminary Indemnity Amount = Loss Guarantee Amount | Preliminary Indemnity Amount | P21 | 62 | S999999999 | Round to whole number | |
| All policies: Indemnity Amount = Preliminary Indemnity Amount | Indemnity Amount | P21 | 63 | S999999999 | Round to whole number | |