Record Name: Acreage

Record Code: P11

Reinsurance Year: 2018 Version: Approved Release Date: 1/31/2018

55 Yield Based Dollar Amount of Insurance **Insurance Plan Code Commodity Code** 0050 Hybrid Sorghum Seed 0062 Hybrid Seed Corn 0080 Hybrid Seed Rice 0093 Hybrid Sweet Corn Seed Field Record Field **Field Field** Calculations Name Number Number **Format** Rounding Rules Section 1: Liability Calculation When Commodity is not "0093," Hybrid Sweet Corn Seed: If Unit of Measure equals pounds, "LBS", then round to whole number. P11 42 99999999.99 Approved Yield Otherwise, round to 1 decimal. Approved Yield = (County Yield * Yield Price Factor) – Minimum Payment County Yield ADM 9999.9 None Edit with ADM Base Rate, "A01010". Coverage Level Factor from SPOI. Edit with Yield Yield Price Factor ICE 9.9999 None Price Factor ICE, "D00041". Minimum Payment Quantity must be converted Minimum Payment Quantity 999999.9 to applicable Unit of Measure (whole number for pounds, 1 decimal for bushels). Premium Acre Guarantee Internal 99999999.99 Round to whole number. Quantity Premium Acre Guarantee Quantity = Approved Yield * Price Election Amount If the HS option is elected, where applicable via Price Election Amount P11 45 9999.9999 None the ADM, price should reflect higher of MPCI or HPSE price (A00810 Hybrid Seed Option Price). When Commodity is "0093," Hybrid Sweet Corn Seed: If Unit of Measure equals pounds, "LBS", then round to whole number. 99999999.99 Approved Yield P11 42 Approved Yield = County Yield * Coverage Level Percent Otherwise, round to 1 decimal. County Yield ADM 999.9 None Edit with ADM Base Rate, "A01010". Coverage Level Percent P14 34 None Premium Guarantee Per Acre Internal Round to whole number. This value will be cupped at zero. Amount If "HS" elected, price should reflect the higher Price Election Amount P11 45 9999.9999 None value of MPCI or HPSE (A00810 Hybrid Seed MIN(ROUND(Contract Value * Coverage Level Percent Option Price). Premium Acre Guarantee Minimum Payment Quantity,0), ROUND(Approved Yield Quantity = * Price Election Amount - Minimum Payment "Total compensation specified in the hybrid Quantity,0)) Contract Value P11 78 999999999 sweet corn seed processor contract" or "stated seed contract value" in whole dollar amount. Minimum Payment Quantity must be in dollars 79 Minimum Payment Quantity P11 (whole numbers).

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018 Version: Approved Release Date: 1/31/2018

55 Yield Based Dollar Amount of Insurance **Insurance Plan Code Commodity Code** 0050 Hybrid Sorghum Seed 0062 Hybrid Seed Corn 0080 Hybrid Seed Rice 0093 Hybrid Sweet Corn Seed Field Record Field Field **Field** <u>Num</u>ber Calculations Name Number **Format** Rounding Rules Acre Guarantee Quantity P11 104 9999999.99 Round to whole number. Premium Acre Guarantee Quantity * Guarantee Edit with the Guarantee Adjustment ICE, Acre Guarantee Quantity = Adjustment Factor Guarantee Adjustment Factor P11 69 0.999 None "D00068" or ADM Guarantee Adjustment, "A01220" for Prevented Planting. Premium Total Guarantee 99999999.99 Internal Round to whole number. Premium Total Guarantee = Premium Acre Guarantee Quantity * Reported Acreage Amount Reported Acreage must equal the sum of all 48 999999.99 Reported Acreage P11 None Land, P27, Reported Acreage. **Total Guarantee Amount** 101 99999999.99 Round to whole number. P11 Total Guarantee Amount = Acre Guarantee Quantity * Reported Acreage Reported Acreage must equal the sum of all 999999.99 Reported Acreage P11 48 None Land, P27, Reported Acreage. Premium Total Guarantee Amount * Insured Share 999999999 Round to whole number. Premium Liability Amount = Percent Premium Liability Amount Internal Insured Share Percent P11 43 9.9999 None 92 Liability Amount P11 999999999 Round to whole number. Liability Amount = Total Guarantee Amount * Insured Share Percent Insured Share Percent P11 43 9.9999

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Record Name: Acreage
Record Code: P11

Reinsurance Year: 2018 Version: Approved Release Date: 1/31/2018

55 Yield Based Dollar Amount of Insurance **Insurance Plan Code Commodity Code** 0062 Hybrid Seed Corn 0080 Hybrid Seed Rice 0093 Hybrid Sweet Corn Seed 0050 Hybrid Sorghum Seed Field Field **Field Field** Record Calculations Name Number Number **Format** Rounding Rules ection 2: Base Premium Rate Calculation When Rate Method Code equals Fixed Rate, "F": Internal 999999.99999999 Base Premium Rate Round to 8 decimals. Sub County Rate * Rate Differential Factor When Rate Method Code equals Additive, "A": Sub County Rate ADM 9.9999 None Edit with ADM Sub County Rate, "A01050". (Sub County Rate + Base Rate) * Rate Differential Factor Base Premium Rate = When Rate Method Code equals Multiplicative, "M": Base Rate ADM 999.9999 None Edit with ADM Base Rate, "A01010". Sub County Rate * Base Rate * Rate Differential Factor Otherwise: Edit with ADM Coverage Level Differential, Rate Differential Factor ADM 9.9999999 None "A01040". Base Rate * Rate Differential Factor Section 3: Optional Coverage Calculation Additive Optional Rate Internal 999999.9999 Round to 4 decimals. Adjustment Factor When Rate Method Code is Additive, "A": Option Rate will be the Sum of all Option Rate Additive Optional Rate ADM with Rate Method Code equal to Additive, "A". Option Rate 99999.9999 None Adjustment Factor ∑ Option Rate * Rate Differential Factor Edit with ADM Option Rate, "A01060". Edit with ADM Coverage Level Differential, Rate Differential Factor ADM 9.99999999 None "A01040". Multiplicative Optional Rate When Rate Method Code is Multiplicative, "M": Internal 999999.9999 Round to 4 decimals. Multiplicative Optional Adjustment Factor Rate Adjustment Factor ∑ Option Rate1 * Option Rate2 * Option Rate3... Option Rate ADM 9.9999 None Edit with ADM Option Rate, "A01060". The Premium Rate for ALL Unit Structures Section 4: Premium Rate Calculation should be capped at .999 in the event various 9999999999999999 Premium Rate Internal Round to 8 decimals. Premium Rate is capped at 0.99900000. Edit with ADM Unit Discount, "A01090". When Unit Structure Code equals "OU", "UA", or Base Premium Rate * Unit Structure Discount Factor * "UD", then Unit Structure Discount Factor equals Premium Rate = Multiplicative Optional Rate Adjustment Factor + Optional Unit Discount Factor. Additive Optional Rate Adjustment Factor Unit Structure Discount Factor ADM 9.999 None When Unit Structure Code equals "BU", then Unit Structure Discount Factor equals Basic Unit Discount Factor.

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Record Name: Acreage Record Code: P11 Reinsurance Year: 2018
Version: Approved
Release Date: 1/31/2018

55 Yield Based Dollar Amount of Insurance Insurance Plan Code **Commodity Code** 0062 Hybrid Seed Corn 0080 Hybrid Seed Rice 0093 Hybrid Sweet Corn Seed 0050 Hybrid Sorghum Seed Field Field **Field Field** Record Rounding Calculations Name Number Number **Format** Rules ection 5: Total Premium, Subsidy, and Producer Premium Calculation Preliminary Total Premium Internal 999999999 Round to whole number. Preliminary Total Premium Premium Liability Amount * Premium Rate * Experience Amount Amount Factor Must be a value between minimum and **Experience Factor** P11 47 9.999 None maximum on ICE, "D10023". 93 999999999 Round to whole number. **Total Premium Amount** P11 Total Premium Amount = Preliminary Total Premium Amount * Multiple Commodity Adjustment Factor Multiple Commodity Adjustment Edit with ICE Multiple Cropping, "D00063". Not ICE 9999.999 None Factor applicable for Hybrid Seed Rice. If this record qualifies for Beginning Farmer and Subsidy Amount P11 91 999999999 Round to whole number. Rancher or Native Sod, see Section 6 for subsidy Subsidy Amount = Total Premium Amount * Subsidy Percent calculations. Subsidy Percent ADM 9.999 None Edit with ADM Subsidy Percent, "A00070". Producer Premium Amount - Subsidy Amount - Amount - Subsidy Amount **Producer Premium Amount** P11 94 999999999 Round to whole number. Section 6: Beginning Farmer and Rancher (BFR), Native Sod (NS) and Conservation Compliance (CC) Subsidy Calculations Base Subsidy Amount Internal 999999999 Round to whole number Cupped by the standard rule of \$1 if applicable. Base Subsidy Amount = Total Premium Amount * Subsidy Percent Subsidy Percent ADM 9.999 None Edit with ADM Subsidy Percent, "A00070". Beginning Farmer Rancher Subsidy Amount. BFR Subsidy Amount = Total Premium Amount * 0.10 * (1 - CC Subsidy Reduction Percent) BFR Subsidy Amount Internal 999999999 Round to whole number If Applicable; else 0. 0.10 (10%). If Applicable; else 0. Native Sod Subsidy Amount = Total Premium Amount * 0.50 0.50 (50%). Native Sod Subsidy Amount Internal 999999999 Round to whole number For CAT coverage, Native Sod Subsidy Amount is always 0. **CC Subsidy Reduction Percent** P11 76 9.9999 If Applicable; else 0. None CC Subsidy Reduction Amount = Base Subsidy Amount * CC Subsidy Reduction Percent CC Subsidy Reduction Amount. 109 CC Subsidy Reduction Amount P11 999999999 Round to whole number If Applicable; else 0. Subsidy Amount = Base Subsidy Amount + BFR Subsidy Amount - Native Sod Subsidy Amount - CC Subsidy Reduction Amount Subsidy Amount cannot exceed Total Premium **Subsidy Amount** P11 91 999999999 Round to whole number Amount. Subsidy Amount will be cupped at \$0. Producer Premium Amount = Total Premium Amount - Subsidy Amount **Producer Premium Amount** P11 94 999999999 Round to whole number

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