Exhibit Name:	Premium Calculation		
Exhibit Number:	P11-2, Plan 04, 05, 06, 13 & 14	**Reinsurance Year:**	2015
Record Name:	Acreage	**Version:**	Approved
Record Code:	P11	**Release Date:**	8/9/2016

Insurance Plan Code	04 Group Risk Plan/Area Yield Protection	05 Area Revenue Protection		13 Rainfall Index
	06 Area Revenue Protection with the Harvest Price Exclusion			14 Vegetation Index
Commodity Code	0011 Wheat	0041 Corn	0081 Soybeans	0332 Annual Forage
	0018 Rice	0043 Popcorn	0088 Pasture, Rangeland, Forage	1191 Apiculture
	0021 Cotton	0051 Grain Sorghum	0091 Barley	
	0033 Forage Production	0075 Peanuts		

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Section 1: Dollar Amount of Insurance						
Area Yield Protection, "04", Area Revenue Protection, "05", or Area Revenue Protection with Harvest Price Exclusion, "06":						
When Commodity Code equals Wheat, "0011", Rice, "0018", Cotton, "0021", Forage Production, "0033", Corn, "0041", Popcorn, "0043", Grain Sorghum, "0051", Peanuts, "0075", Soybeans, "0081", and Barley, "0091", and Coverage Type Code equals Additional, "A":	Dollar Amount of Insurance	Internal		99999999.99	Round to 2 decimals.	
	Expected County Yield	ADM		99999999.9999	None	Edit with ADM Area Risk Rate, "A01005". Expected County Yield will be stored in Expected Index Value in A01005.
	Projected Price	ADM		99999.9999	None	Edit with ADM Price, "A00810".
Dollar Amount of Insurance = Round(Expected County Yield * Projected Price * Price Election Percent, 2)	Price Election Percent	P14	35	9.9999	None	Protection Factor. Edit with ICE Price Election Percent, "D00007". Protection Factor must be geater than or equal to 0.80 and less than or equal to 1.20, in 1% increments. If Native Sod applies to this record, the Price Election Percent must equal 0.65 (65%).
Area Yield Protection, "04":						
When Commodity Code equals Wheat, "0011", Rice, "0018", Cotton, "0021", Forage Production, "0033", Corn, "0041", Popcorn, "0043", Grain Sorghum, "0051", Peanuts, "0075", Soybeans, "0081", and Barley, "0091", and Coverage Type Code equals Catastrophic, "C":	Dollar Amount of Insurance	Internal		99999999.99	Round to 2 decimals.	
	Expected County Yield	ADM		99999999.9999	None	Edit with ADM Area Risk Rate, "A01005". Expected County Yield will be stored in Expected Index Value in A01005.
Dollar Amount of Insurance = Round(Expected County Yield * Catastrophic Price * Price Election Percent, 2)	Catastrophic Price	ADM		99999.9999	None	Edit with ADM Price, "A00810". For CAT Area Yield Protection, "04", with Coverage Type Code, "C" this value will be the CAT price (45 percent of base Projected Price).
	Price Election Percent	P14	35	9.9999	None	Protection Factor. Edit with ICE Price Election Percent, "D00007". Protection Factor must equal 1.20.

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Insurance Plan Code	04 Group Risk Plan/Area Yield Protection	05 Area Revenue Protection		13 Rainfall Index
	06 Area Revenue Protection with the Harvest Price Exclusion			14 Vegetation Index
Commodity Code	0011 Wheat	0041 Corn	0081 Soybeans	0332 Annual Forage
	0018 Rice	0043 Popcorn	0088 Pasture, Rangeland, Forage	1191 Apiculture
	0021 Cotton	0051 Grain Sorghum	0091 Barley	
	0033 Forage Production	0075 Peanuts		

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Group Risk Plan, "04":						
When Commodity Code equals Oysters, "0115":						
	Dollar Amount of Insurance	Internal		99999999.99	Round to 2 decimals.	If Coverage Type Code equals Catastrophic, "C", then round up to the 2nd decimal place. If Dollar Amount of Insurance = 5.321, Dollar Amount of Insurance will equal 5.33.
	Projected Price	ADM		99999.9999	None	Edit with ADM Price, "A00810".
Dollar Amount of Insurance = Projected Price * Price Election Percent	Price Election Percent	ICE		9.9999	None	Edit with ICE Price Election Percent, "D00007". Price Election Percent must be greater than or equal to 0.6000 and less than or equal to 1.0000, when Coverage Type Code equals Additional "A". Price Election Percent must equal 0.4500, when Coverage Type Code equals Catastrophic "C".

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Record Name: Acreage
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Insurance Plan Code	04 Group Risk Plan/Area Yield Protection	05 Area Revenue Protection		13 Rainfall Index
	06 Area Revenue Protection with the Harvest Price Exclusion			14 Vegetation Index
Commodity Code	0011 Wheat	0041 Corn	0081 Soybeans	0332 Annual Forage
	0018 Rice	0043 Popcorn	0088 Pasture, Rangeland, Forage	1191 Apiculture
	0021 Cotton	0051 Grain Sorghum	0091 Barley	
	0033 Forage Production	0075 Peanuts		

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
Rainfall Index, "13", or Vegetation Index, "14":						
When Commodity Code equals Pasture, Rangeland and Forage, "0088", Annual Forage, "0332", or Apiculture, "1191":	Dollar Amount of Insurance	Internal		9999999.99	Round to 2 decimals.	
	County Base Value	ADM		9999.99	None	Edit with ADM Price, "A00810".
Dollar Amount of Insurance = Round(County Base Value * Coverage Level Percent * Price Election Percent, 2)	Coverage Level Percent	P14	34	9.9999	None	Coverage Level Percent must equal 0.6500, when Coverage Type Code equals Catastrophic "C" and Commodity Code equals Annual Forage, "0332".
	Price Election Percent	ICE		9.9999	None	Productivity Factor. Edit with ICE Price Election Percent, "D00007". Price Election Percent must equal 0.4500, when Coverage Type Code equals Catastrophic "C" and Commodity Code equals Annual Forage, "0332".
Section 2: Liability Calculation						
When Commodity Code equals Oysters, "0115":	Total Guarantee Amount	P11	100	99999999.99	Round to 2 decimals.	
Total Guarantee Amount = Dollar Amount of Insurance * Reported Pounds	Reported Pounds	P11	33	9999999999	None	See Section 4 for additional information regarding Reported Pounds.
When Commodity Code equals Apiculture, "1191":	Total Guarantee Amount	P11	100	99999999.99	Round to whole number.	
Total Guarantee Amount = Dollar Amount of Insurance * Total Insured Colonies * Percent of Value	Total Insured Colonies	P11	76	9999999	None	Total Insured Colonies must equal the total number of all colonies for a unit, for Commodity Code equal Apiculture, "1191".
	Percent of Value	P11	74	9.99	None	

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Insurance Plan Code	04 Group Risk Plan/Area Yield Protection	05 Area Revenue Protection	13 Rainfall Index
	06 Area Revenue Protection with the Harvest Price Exclusion		14 Vegetation Index
Commodity Code	0011 Wheat	0041 Corn	0081 Soybeans
	0018 Rice	0043 Popcorn	0088 Pasture, Rangeland, Forage
	0021 Cotton	0051 Grain Sorghum	0091 Barley
	0033 Forage Production	0075 Peanuts	
	0332 Annual Forage		
	1191 Apiculture		

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
When Commodity Code equals Pasture, Rangeland and Forage, "0088", or Annual Forage, "0332":						
Total Guarantee Amount = Dollar Amount of Insurance * Total Insured Acreage * Percent of Value	Total Guarantee Amount	P11	100	99999999.99	Round to whole number.	
	Total Insured Acreage	P11	75	999999.99	None	Total Insured Acreage must equal the total number of all acres for a unit for Commodity Code equal Pasture, Rangeland and Forage, "0088". For Commodity Code equal Annual Forage, "0332", all acres must be insured in a growing season (can be spread out through the index intervals or units).
	Percent of Value	P11	74	9.99	None	Percent of Value must equal 1.00, when Coverage Type Code equals Catastrophic "C" and Commodity Code equals Annual Forage, "0332". Percent of Value for Annual Forage, "0332", will be pulled from P14 field 45.
All other Commodities: Total Guarantee Amount = Dollar Amount of Insurance * Reported Acreage	Total Guarantee Amount	P11	100	99999999.99	Round to whole number.	
	Reported Acreage	P11	49	999999.99	None	Reported Acreage must equal the sum of all Land, P27, Reported Acreage.
All Commodities: Liability Amount = Total Guarantee Amount * Insured Share Percent	Liability Amount	P11	91	9999999999	Round to whole number.	
	Insured Share Percent	P11	44	9.999	None	
Section 3: Total Premium, Subsidy, and Producer Premium Calculation						
Preliminary Total Premium Amount = Liability Amount * Base Rate	Preliminary Total Premium Amount	Internal		9999999999	Round to whole number.	
	Base Rate	ADM		9.9999	None	Edit with ADM Area Risk Rate, "A01005".
Total Premium Amount = Preliminary Total Premium Amount * Multiple Commodity Adjustment Factor	Total Premium Amount	P11	92	9999999999	Round to whole number.	
	Multiple Commodity Adjustment Factor	ICE		9999.999	None	Edit with ICE Multiple Cropping, "D00063". Used when there is a first Commodity Loss.
Subsidy Amount = Total Premium Amount * Subsidy Percent	Subsidy Amount	P11	90	9999999999	Round to whole number.	If this record qualifies for Beginning Farmer and Rancher or Native Sod, see Section 5 for subsidy calculations.
	Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070".
Producer Premium Amount = Total Premium Amount - Subsidy Amount	Producer Premium Amount	P11	93	9999999999	Round to whole number.	

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Insurance Plan Code	04 Group Risk Plan/Area Yield Protection	05 Area Revenue Protection	13 Rainfall Index
	06 Area Revenue Protection with the Harvest Price Exclusion		14 Vegetation Index
Commodity Code	0011 Wheat	0041 Corn	0081 Soybeans
	0018 Rice	0043 Popcorn	0088 Pasture, Rangeland, Forage
	0021 Cotton	0051 Grain Sorghum	0091 Barley
	0033 Forage Production	0075 Peanuts	0332 Annual Forage
			1191 Apiculture

Calculations	Field Name	Record Number	Field Number	Field Format	Field Rounding	Rules
When Commodity Code equals Oysters, "0115":						
Section 4: Average Landings, Apportionment Factor, Reported Pounds						
Landings = Three Years of Annual Yield accumulated	Landings	Internal		9999999999	Round to whole number.	Landings must equal the sum of 3 Years of Yield History, P15A, Annual Yield.
	Annual Yield	P15A	10	99999999.99	None	
Average Landings = Landings / 3	Average Landings	Internal		9999999999	None	
Apportionment Factor = Average Landings / Average Index Value	Apportionment Factor	Internal		9.9999	Round to 4 decimals.	
	Average Index Value	ADM		99999999.9999	None	Edit with ADM Area Risk Rate, "A01005".
Adjusted Expected County Landings = Expected Index Value * Expected County Landing Adjustment Factor	Adjusted Expected County Landings	Internal		9999999999	Round to whole number .	
	Expected Index Value	ADM		99999999	None	Edit with ADM Area Risk Rate, "A01005".
	Expected County Landing Adjustment Factor	ADM		99.99	None	Edit with ADM Price, "A00810".
Reported Pounds = Apportionment Factor * Adjusted Expected County Landings	Reported Pounds	P11	33	9999999999	Round to whole number.	
Section 5: Beginning Farmer and Rancher (BFR) and Native Sod (NS) Subsidy Calculations						
Base Subsidy Amount = Total Premium Amount * Subsidy Percent	Base Subsidy Amount	Internal		9999999999	Round to whole number	Cupped by the standard rule of $1 if applicable.
	Subsidy Percent	ADM		9.999	None	Edit with ADM Subsidy Percent, "A00070".
BFR Subsidy Amount = Total Premium Amount * 0.10	BFR Subsidy Amount	Internal		9999999999	Round to whole number	Beginning Farmer Rancher Subsidy Amount. If Applicable; else 0. 0.10 (10%).
Native Sod Subsidy Amount = Total Premium Amount * 0.50	Native Sod Subsidy Amount	Internal		9999999999	Round to whole number	If Applicable; else 0. 0.50 (50%). For CAT coverage, Native Sod Subsidy Amount is always 0.
Subsidy Amount = Base Subsidy Amount + BFR Subsidy Amount - Native Sod Subsidy Amount	Subsidy Amount	P11	90	9999999999	Round to whole number	Subsidy Amount cannot exceed Total Premium Amount. Subsidy Amount will be cupped at $0.
Producer Premium Amount = Total Premium Amount - Subsidy Amount	Producer Premium Amount	P11	93	9999999999	Round to whole number	