		0			Reinsurance Year Version Release Date	: Approved	
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 14 Vegetation Index
<u>Commodity Code</u>	0011 Wheat 0018 Rice 0021 Cotton 0033 Forage Production	001 0081 Soybeans 0041 Corn 0081 Soybeans 0043 Popcorn 0088 Pasture, Rangeland, Forage 0051 Grain Sorghum 0091 Barley 0075 Peanuts 0091 Barley				0115 Oysters 0332 Annual Forage 1191 Apiculture	
	Calculations	<u>Field</u> <u>Name</u>	<u>Record</u> Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> <u>Rounding</u>	Rules
Section 1: Dollar Amount of	of Insurance						
Area Yield Protection, "04"	, Area Revenue Protection, "05", or Area Revenue Protec	tion with Harvest Price Exclusion,	"06":				
Forage Production, "0033",	uals Wheat, "0011", Rice, "0018", Cotton, "0021", , Corn, "0041", Popcorn, "0043", Grain Sorghum, "0051", s, "0081", and Barley, "0091", and Coverage Type Code	Dollar Amount of Insurance	Internal		999999999.99	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.
			ADM		99999.9999	None	Edit with ADM Price, "A00810".
Dollar Amount of _ Round(Expected County Yield * Projected Price * Price Insurance ⁼ 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"	:	• •			•		
Forage Production, "0033",	uals Wheat, "0011", Rice, "0018", Cotton, "0021", , Corn, "0041", Popcorn, "0043", Grain Sorghum, "0051", s, "0081", and Barley, "0091", and Coverage Type Code	Dollar Amount of Insurance	Internal		99999999.99	Round to 2 decimals.	
	nt of _ Round(Expected County Yield * Catastrophic Price *	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.
		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.

	Exhibit Name: Premium Calculation Exhibit Number: P11-2, Plan 04, 05, 06, 13 & 14 Record Name: Acreage Record Code: P11				Reinsurance Year Version Release Date				
Insurance Plan Code	04 Group Risk Plan/Area Yield Protection 06 Area Revenue Protection with the Harvest Price Ex	05 Area Revenue Protection clusion					13 Rainfall Index 14 Vegetation Index		
<u>Commodity Code</u>	0011 Wheat 0018 Rice 0021 Cotton 0033 Forage Production	0041 Corn 0043 Popcorn 0051 Grain Sorghum 0075 Peanuts	0081 Soybeans 0088 Pasture, Rangeland, Forage 0091 Barley			0115 Oysters 0332 Annual Forage 1191 Apiculture			
	Calculations	<u>Field</u> <u>Name</u>	<u>Record</u> Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> <u>Rounding</u>	Rules		
Group Risk Plan, "04":									
When Commodity Code e	When Commodity Code equals Oysters, "0115":		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.		
			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".		

Exhibit Name: Premium Calculation Exhibit Number: P11-2, Plan 04, 05, 06, 13 & 14 Record Name: Acreage Record Code: P11						
Insurance Plan Code 04 Group Risk Plan/Area Yield Protection 06 Area Revenue Protection with the Harvest Price Excl 0011 Wheat 0018 Rice 0021 Cotton	05 Area Revenue Protection usion 0041 Corn 0043 Popcorn 0051 Grain Sorghum			geland, Forage	13 Rainfall Index 14 Vegetation Index 0115 Oysters 0332 Annual Forage 1191 Apiculture	
0033 Forage Production Calculations	0075 Peanuts Field Name	<u>Record</u> Number	<u>Field</u> Number	0091 Barley <u>Field</u> <u>Format</u>	<u>Field</u> 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".
	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".
Dollar Amount of _ Round(County Base Value * Coverage Level Percent * Insurance Price Election Percent, 2)	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".
						For Native Sod records with buy-up coverage levels, if the elected Price Election Percent is greater than 0.65 (65%), set the value to 65%; otherwise, use the elected Price Election Percent.
Section 2: Liability Calculation						
When Commodity Code equals Oysters, "0115":	Total Guarantee Amount	P11	100	999999999.99	Round to 2 decimals.	
Total Guarantee Amount = Dollar Amount of Insurance * Reported Pounds	Reported Pounds	P11	32	99999999999	None	See Section 4 for additional information regarding Reported Pounds.
When Commodity Code equals Apiculture, "1191":	Total Guarantee Amount	P11	100	999999999.99	Round to whole number.	
Total Guarantee Amount = Dollar Amount of Insurance * Total Insured Colonies * Percent of Value	Total Insured Colonies	P11	73	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	71	9.99	None	

		-			Reinsurance Year Version Release Date	: Approved	
Insurance Plan Code	04 Group Risk Plan/Area Yield Protection 06 Area Revenue Protection with the Harvest Price Excl	05 Area Revenue Protection usion					13 Rainfall Index 14 Vegetation Index
<u>Commodity Code</u>	0011 Wheat 0018 Rice 0021 Cotton 0033 Forage Production	0041 Corn 0043 Popcorn 0051 Grain Sorghum 0075 Peanuts	0115 Oysters 0332 Annual Forage 1191 Apiculture				
	<u>Calculations</u>	<u>Field</u> <u>Name</u>	<u>Record</u> Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules
When Commodity Code eq Forage, "0332":	uals Pasture, Rangeland and Forage, "0088", or Annual	Total Guarantee Amount	P11	100	999999999.99	Round to whole number.	
Dollar Amount of Insurance * Total Insured Acreage * Total Guarantee Amount = Percent of Value		Total Insured Acreage	P11	72	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	71	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:	All other Commodities: = Dollar Amount of Insurance * Reported Acreage Total Guarantee Amount		P11	100	999999999.99	Round to whole number.	
			P11	48	999999.99	None	Reported Acreage must equal the sum of all Land, P27, Reported Acreage.
All Commodities:	All Commodities: Liability Amount = Total Guarantee Amount * Insured Share Percent		P11	91	99999999999	Round to whole number.	
Liability Amount			P11	43	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		99999999999	Round to whole number.	
Premium Amount	···· ··· ··· ···	Base Rate	ADM		9.9999	None	Edit with ADM Area Risk Rate, "A01005".
	= Preliminary Total Premium Amount * Multiple Commodity Adjustment Factor	Total Premium Amount	P11	92	99999999999	Round to whole number.	
Total Premium Amount		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	99999999999	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 11/15/2018	= Total Premium Amount - Subsidy Amount	Producer Premium Amount	P11 ge 4 of 5	93	99999999999	Round to whole number.	

					Reinsurance Year: Version: Release Date:	Approved	
Insurance Plan Code	04 Group Risk Plan/Area Yield Protection 06 Area Revenue Protection with the Harvest Price Exclu	05 Area Revenue Protection usion					13 Rainfall Index 14 Vegetation Index
Commodity Code	0011 Wheat 0018 Rice 0021 Cotton 0033 Forage Production	0041 Corn 0043 Popcorn 0051 Grain Sorghum 0075 Peanuts	corn 0088 Pasture, Rangeland, Forage n Sorghum 0091 Barley				0115 Oysters 0332 Annual Forage 1191 Apiculture
	Calculations	<u>Field</u> Name	<u>Record</u> Number	<u>Field</u> Number	<u>Field</u> Format	<u>Field</u> Rounding	Rules
When Commodity Code eq							<u>Indies</u>
Section 4: Average Landin	gs, Apportionment Factor, Reported Pounds	1	1	1	Γ		-
Landings	Landings = Three Years of Annual Yield accumulated		Internal		99999999999	Round to whole number.	Landings must equal the sum of 3 Years of Yield History, P15A, Annual Yield.
		Annual Yield	P15A	10	999999999.99	None	
Average Landings	= Landings / 3	Average Landings	Internal		99999999999	None	
Apportionment Eactor	Apportionment Factor = Average Landings / Average Index Value		Internal		9.9999	Round to 4 decimals.	
Apportionment Factor			ADM		999999999.9999	None	Edit with ADM Area Risk Rate, "A01005".
Adjusted Europeand	d = Expected Index Value * Expected County Landing Adjustment Factor	Adjusted Expected County Landings	Internal		99999999999	Round to whole number .	
County Landings		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	32	99999999999	Round to whole number.	
Section 5: Beginning Farme	r and Rancher (BFR), Native Sod (NS) and Conservation (Compliance (CC) Subsidy Calculation	ns				
Base Subsidy Amount	= Total Premium Amount * Subsidy Percent	Base Subsidy Amount	Internal		99999999999	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 * (1 - CC Subsidy Reduction Percent)	BFR Subsidy Amount	Internal		99999999999	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		99999999999	Round to whole number	If Applicable; else 0. 0.50 (50%). For CAT coverage, Native Sod Subsidy Amount is always 0.
CC Subsidy Reduction	= Base Subsidy Amount * CC Subsidy Reduction Percent	CC Subsidy Reduction Amount	P11	108	99999999999	Round to whole number	CC Subsidy Reduction Amount. If Applicable; else 0.
Amount		CC Subsidy Reduction Percent	P11	76	9.999	None	If Applicable; else 0.
Subsidy Amount	Base Subsidy Amount + BFR Subsidy Amount - Native Sod Subsidy Amount - CC Subsidy Reduction 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	99999999999	Round to whole number	