ROUNDING For Guarantee, Liability and Premium Calculations

Note 1: Round to nearest whole pound, nearest hundredth for tonnage crops, or nearest tenth for other units of measure.

Note 2: Round to nearest tenth for barrels or tons and nearest whole number for other units of measure.

Note 3: Round to nearest hundredth for Tobacco and nearest tenth for all other crops.

Note 4: Round to nearest whole pound or bushel.

Note 5: Round to nearest tenth.

Note 6: Round to nearest whole number.

Note 7: Round to nearest whole dollar.

Note 8: Round to nearest thousandth.

Note 9: Round to nearest dollar and cents.

Note 10: Round to 8 decimal places.

Note 11: Round to hundredth.

Note 12: Round to 8 decimal places, including each interim step.

Note 13: Round to 5 decimal places.

Note 14: Round to 2 decimal places and cupped at 0.50 and capped at 1.50.

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Subsidy Factor for all plan codes except GRP (12, 13 and 14) and GRIP (73).
Subsidy Factor = Subsidy factor for coverage level (field 34) from Subsidy Table.

Coverage Level*	CAT	.5000	.5500	.6000	.6500	.7000	.7500	.8000	.8500
Subsidy Factor	1.000	.670	.640	.640	.590	.590	.550	.480	.380

*If CE Option is elected, then CEO Coverage Level (field 79

Enterprise (EU) and Whole Farm (WU) Subsidy Factors according to PM-08-057:

Coverage Level	CAT	.5000	.5500	.6000	.6500	.7000	.7500	.8000**	.8500**
EU Subsidy Factor	NA	.800	.800	.800	.800	.800	.770	.680	.530
WU Subsidy Factor	NA	NA	NA	NA	.800	.800	.800	.710	.560

**where applicable
Note: New WU Subsidy Factor will apply if ALL crops in the whole farm unit have a Contract Change Date of 11/30/2008 or greater. If not, old factors apply to entire whole farm unit.

GRP and GRIP Subsidy Factors:
Subsidy Factor = Subsidy Factor for Coverage Level (field 34) from Subsidy Table.

Coverage Level	CAT	.7000	.7500	.8000	.8500	.9000
GRP Subsidy Factor	1.000	.590	.590	.550	.550	.510
GRIP Subsidy Factor	1.000	.590	.550	.550	.490	.440

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APH Crops
Insurance Plan Code 90

Alfalfa Seed (0107)	Almonds (0028)	Apples (0054)	Avocados – CA & FL (0019)
Bananas (0255)	Barley (0091)	Blueberries (0012)	Buckwheat (0114)
Cabbage (0072)	Canola (0015)	Citrus Fruit(AZ,CA,TX)	Coffee (0256)
Corn (0041)	Cotton (0021)	ELS Cotton (0022)	Cranberries (0058)
Cultivated Wild Rice (0055)	Dry Beans (0047)	Dry Peas (0067)	Figs (0060)
Flax (0031)	Forage Prod (0033)	Grain Sorghum (0051)	Grapes (0053)
Green Peas (0064)	Mac Nuts (0023)	Millet (0017)	Mint (0074)
Mustard (0069)	Oats (0016)	Onions (0013)	Papaya (0257)
Peaches (0034)	Peanuts (0075)	Pears (0089)	Plums (0092)
Popcorn (0043)	Potatoes (0084)	Processing Beans (0046)	Prunes (0036)
Rice (0018)	Rye (0094)	Safflowers (0049)	Silage Sorghum (0059)
Soybeans (0081)	Stonefruit**	Sugar Beets (0039)	Sugarcane (0038)
Sunflowers (0078)	Sweet Corn (Proc) (0042)	Table Grapes (0052)	Tobacco (0229)
Tobacco (0230)	**Tobacco (0231)**	Tobacco (0232)	Tobacco (0233)
Tobacco (0234)	Tobacco (0235)	Tobacco (0236)	Tomatoes–Fr Mkt (0086)
Tomatoes (0087)	Walnuts (0029)	Wheat (0011)	

Note: All Peaches except Georgia & South Carolina
**** See Exhibit 11-2 for applicable crops and code.**

MULTI CROPPING LIMITATIONS APPLY TO THESE PLANS

GUARANTEE PER ACRE

Guarantee Per Acre = Yield * Coverage Level
(Field 35) (Field 31) (Field 34)
(Note 1) (Note 2)

If Late Planting applies, then
Guarantee Per Acre = (Yield * Coverage Level) * Guarantee Reduction Factor
(Field 35) (Field 31) (Field 34) (Field 36)
(Note 1) (Note 2)

If Prevented Planting applies, then
Guarantee Per Acre = (Yield * Coverage Level) * Guarantee Reduction Factor
(Field 35) (Field 31) (Field 34) (Field 36)
(Note 1) (Note 2)

For Cabbage (except processing), Onions (when provided by Special Provisions), Potatoes (Certified Seed), Hawaii Tropical Fruit and Silage Sorghum with the 125% Acreage Limitation; then:

Guarantee Per Acre = (Yield * Coverage Level) * Yield Conversion Factor * Guarantee Reduction Factor
(Field 35) (Field 31) (Field 34) (Field 44)
(Note 1) (Note 1) (Round to 3 decimals)
(Round to 2 decimals for Hawaii Tropical Fruit)

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TOTAL GUARANTEE

Total Guarantee = Guarantee Per Acre * Reported Acres
(Field 38) (Field 35) (Field 37)
(Note 2) (Note 1) (Note 3)

TOTAL GUARANTEE For PEANUTS

Total Guarantee = Guarantee Per Acre (by practice, type or reduction % if different for the unit) * Reported Acres (For the unit unless GPA is different by practice, type or reduction %)
(Field 38) (Field 35) (Field 37)
(Note 2) (Note 1) (Note 3)

LIABILITY For PEANUTS (Contracted and Non-Contracted Peanuts Will Be Insured Up To The Number Of Pounds Of Total Guarantee For The Unit

Liability = Total Guarantee * Price Election Amount * Insured Share
(Field 42) (Contracted or Non-Contracted Pounds by Price) (Contract Price times price election % [up to maximum contract price] for applicable contracted pounds or Non-contract price times price election %) (Field 41)
(Note 7) (Field 38) (Note 2) (Field 39)

LIABILITY

Liability = Total Guarantee * Price Election Amount * Insured Share
(Field 42) (Field 38) (Field 39) (Field 41)
(Note 7) (Note 2)

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PREMIUM LIABILITY

Premium Guarantee Per Acre = Yield * Coverage Level
(Field 31) (Field 34)
(Note 1) (Note 2)

For Cabbage (except processing), Onions (when provided by Special Provisions), Potatoes (Certified Seed), Hawaii Tropical Fruit and Silage Sorghum with the 125% Acreage Limitation then:

Guarantee Per Acre = (Yield * Coverage Level) * Yield Conversion Factor
(Field 35) (Field 31) (Field 34) (Field 44)
(Note 1) (Note 1) (Round to 3 decimals)
(Round to 2 decimals for Hawaii Tropical Fruit)

Premium Guarantee = Premium Guarantee Per Acre * Reported Acres
(Field 37)
(Note 2) (Note 1) (Note 3)

Premium Liability = Premium Guarantee * Price Election Amount * Insured Share
(Note 7) (Note 2) (Field 39) (Field 41)

PREMIUM LIABILITY For PEANUTS

Premium Guarantee Per Acre = Yield * Coverage Level
(Field 31) (Field 34)
(Note 1) (Note 2)

Premium Guarantee = Premium Guarantee Per Acre * Reported Acres
(by practice or type if different for the unit) (For the Unit unless GPA is different by practice or type)
(Field 37)
(Note 2) (Note 1) (Note 3)

Premium Liability = Premium Guarantee * Price Election Amount * Insured Share
(Contracted or Non-Contracted Pounds by Price) (Contract Price times price election % [up to maximum contract price] for applicable contracted pounds or Non-contract price times price election %)
(Note 7) (Note 2) (Field 39) (Field41)

CONTINUOUS RATE CALCULATION

Note: The following capping procedure is intended to keep a producer's base premium rate including the residual factor from exceeding 20% more than what this year's insurance choices would have been last year given this year's rate yield and coverage level selection. It is not intended to cap a producer's actual premium from last year as his or her APH may have changed as well as the coverage level elected.

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Current Year's Yield Ratio = Rate Yield/Current Year's Reference Yield
(Field 85)
(Note 14) (Note 2)

Current Year's Continuous Rating Base Rate = (Current Year's Yield Ratio ** Current Year's Exponent) *
(Note 12) (Note 11)
Current Year's Reference Rate + Current Year's Fixed Rate Load

Current Year's Adjusted Continuous Rating Base Rate = Greater of: ((Current Year's Continuous Rating Base Rate +
(Field 46) Additional Coverage Rate) * Multiplicative Factor) OR Designated Rate
(Note 10)

Current Year's Continuous Rating Base Premium Rate = Current Year's Adjusted Continuous Rating Base Rate *
(Note 10) Coverage Level Rate Differential * Residual Factor

Adjusted Yield Span Base Rate = Greater of: ((Yield Span Base Rate + Additional Coverage Rate) *
(Field 46) Multiplicative Factor) OR Designated Rate
(Note 10)

Capped Adjusted Yield Span Base Premium Rate = Adjusted Yield Span Base Rate * Prior Year's Coverage Level Rate
(Note 12) Differential * 1.20

Prior Year's Yield Ratio = Rate Yield / Prior Year's Reference Yield
(Field 85)
(Note 14) (Note 2)

Prior Year's Continuous Rating Base Rate = (((Prior Year's Yield Ratio ** Prior Year's Exponent) *
(Note 12) (Note 11)
Prior Year's Reference Rate + Prior Year's Fixed Rate Load)

Prior Year's Adjusted Continuous Rating Base Rate = Greater of: ((Prior Year's Continuous Rating Base Rate +
(Field 46) Additional Coverage Rate) * Multiplicative Factor) OR Designated Rate
(Note 10)

Capped Prior Year's Adjusted Continuous Rating Base Premium Rate = Prior Year's Adjusted Continuous Rating Base
(Note 10) Rate * Prior Year's Coverage Level Rate Differential * Prior Year's Residual Factor * 1.20

Base Premium Rate = lower of: (Current Year's Continuous Rating Base Premium Rate, Capped Adjusted Yield Span
(Field 45) Base Premium Rate, Capped Prior Year's Adjusted Continuous Rating Base Premium Rate, or .999)
(Note 10)

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PRELIMINARY TOTAL PREMIUM CALCULATION

Preliminary Total Premium = Premium Liability * Base Premium Rate * Unit Factor(s) * Optional Coverage Factor(s) *
(Note 7) (Note 7) (Field 45) (Note 10)

Experience Factor * (1.00 + Premium Rate Surcharge) * Premium Rate Discount Factor
(Field 51) (Field 52)

TOTAL PREMIUM CALCULATION

Total Premium = Preliminary Total Premium * Multi Crop Reduction Factor
(Field 62) (.35)
(Note 7)

PRODUCER PREMIUM AND SUBSIDY CALCULATION

Subsidy = Total Premium * Subsidy Factor
(Field 63) (Field 62) (Note 8)
(Note 7) (Note 7)

Producer Premium = Total Premium - Subsidy
(Field 68) (Field 62) (Field 63)
(Note 7) (Note 7) (Note 7)

Note: See Note 12 of exhibit 11-11 page 1 - Round to 8 decimal places, including each interim step.
Note: Current Year's Yield Ratio and Prior Year's Yield Ratio Cup at 0.50 and Cap at 1.50
Note: Additional Coverage Rate default .000
Note: Multiplicative Factor default 1.000
Note: Base Premium Rate maximum value .999
Note: Designated Rate default 0.000
Note: Optional Coverage factor(s) if multiple factors, are valid
Note: Unit Factor(s) for enterprise the basic unit discount (ADM K) and enterprise unit discount (Unit Premium Adjustment factor ADM WC) will apply

draft

Type 11 – APH Guarantee/Liability/Premium Calculation

Edit Description

Field Name	Field Number	Picture	Rounding	Description
Yield	31	9(08)V9(02)	Nearest tenth for barrels or tons, nearest whole number for other units of measure.	Yield reported.
Coverage Level	34	9(01)V9(04)	None	50, 55, 60, 65, 70, 75, 80 & 85
Guarantee Reduction Factor	36	V9(03)	None	Guarantee reduction factor. See Exhibit 11-1.
Guarantee Per Acre	35	9(08)V9(02)	Nearest whole pound, nearest hundredths for tonnage crops, or nearest tenth for other units of measure.	Guaranteed yield per acre with late or prevented planting reduction applied if applicable.
Reported Acres	37	9(06)V9(02)	To hundreths for Tobacco, to tenths for all other crops.	Number of acres reported.
Total Guarantee	38	9(08)V9(02)	Nearest tenth for barrels or tons, nearest whole number for all other units of measure.	Total guaranteed yield for the current acreage line (Type 11) after any late or prevented planting reductions are taken.
Price Election Amount	39	9(04)V9(04)	None	Price election submitted with percent election applied.
Insured Share	41	9(01)V9(03)	None	Insured share reported.
Liability	42	9(10)	Nearest Whole Dollar	Dollar value of the insurance protection for the crop, taking into account the insured's elected coverage levels and share in the acreage, with any yield reductions, if applicable. . See Note A.
Premium Guarantee Per Acre	Internal	9(08)V9(02)	Nearest whole pound or nearest tenth for other units of measure.	Guaranteed yield per acre without any late or prevented planting reductions. It is used as the basis for premium calculation.

draft

Type 11 – APH Guarantee/Liability/Premium Calculation

Edit Description

Field Name	Field Number	Picture	Rounding	Description
Premium Guarantee	Internal	9(08)V9(02)	Nearest tenth for barrels or tons, nearest whole number for all other units of measure.	Total guaranteed yield for the current acreage line (Type 11) without any late or prevented planting reductions. Used for the premium calculation.
Premium Liability	Internal	9(10)	Nearest Whole Dollar	Dollar value of the insurance protection for the crop, taking into account the insured's elected coverage levels and share in the acreage without any yield reductions due to late or prevented planting. Used for the premium calculations.
Rate Yield	85	9(08)V9(02)	Nearest tenth for barrels or tons, nearest whole number for other units of measure.	Rate yield reported. This yield is used to determine the correct rate and may be the same as the approved yield. Must match rate yield on the record type 15.
Current Year's Reference Yield	Internal	9(05)V9(02)	None	Reference yield from ADM 1C.
Current Year's Yield Ratio	Internal	9(07)V9(02)	Round to 2 decimal places.	Rate yield divided by the current year reference yield, CUP at 0.50 and CAP at 1.50.
Current Year's Exponent	Internal	9(02)V9(03)	None	The power (exponent ADM 1C) that yield ratio is raised in calculation of current year's uncapped base premium rate.
Current Year's Reference Rate	Internal	9(01)V9(03)	None	Reference rate from ADM 1C used in the calculation of current year's continuous rating base rate.
Current Year's Fixed Rate Load	Internal	9(01)V9(03)	None	Fixed rate load from ADM 1C used in the calculation of current year's continuous rating base rate.
Current Year's Continuous Rating Base Rate	Internal	V9(08)	Round to 8 decimal places, including each interim step.	The result of current year's yield ratio, exponent, reference rate and fixed rate load.
Additional Coverage Rate	Internal	9(01)V9(03)	None	If Common Option Codes (field 49) rate method is equal to "A", the rate is from the ADM K. If map area (high risk) is not equal to spaces, the high risk rate from ADM F if rate method equal to "A". Add endorsement rate and high risk rate if applicable. Otherwise default is 0.000.

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Type 11 – APH Guarantee/Liability/Premium Calculation

Edit Description

Field Name	Field Number	Picture	Rounding	Description
Multiplicative Factor	Internal	9(02)V9(03)	None	If the map area (high risk) is not equal to spaces, the high risk rate from ADM F if rate method equal to "M". If equal to spaces the default is 1.000.
Designated Rate	Internal	9(01)V9(03)	None	If map area (high risk) is not equal to spaces, fixed rate from ADM F used in calculation of adjusted base rate if rate method equal to "F".
Current Year's Adjusted Continuous Rating Base Rate	Internal	V9(08)	Round to 8 decimal places, including each interim step.	The greater of ((current year's continuous rating base rate + additional coverage rate) * multiplicative factor) or designated rate. Report this value in the Preliminary Base Rate (field 46) if it was used to determine the Base Premium Rate that was reported.
Coverage Level Rate Differential	Internal	9(01)V9(03)	None	Coverage level rate differential from ADM 2.
Residual Factor	Internal	9(01)V9(03)	None	The residual factor from ADM2 by coverage level if applicable. If residual factor does not apply default to 1.000. For basic (BU) and optional (OU) units the factor will be used as is from the ADM2. For enterprise (EU) the factor will be one-half of the ADM2 factor rounded to the third decimal. If the ADM 2 does not have a residual factor to adjust for the enterprise coverage level selected then the adjusted residual factors by coverage level are: 65%=1.000, 70%=1.028, 75%=1.055, 80%=1.083, 85%=1.110.
Current Year's Continuous Rating Base Premium Rate	Internal	V9(08)	Round to 8 decimal places, including each interim step.	The result of current year's adjusted continuous rating base rate * coverage level rate differential.
Yield Span Base Rate	Internal	9(01)V9(03)	None	Prior year's base premium rate from ADM 1C for Rate Yield.
Adjusted Yield Span Base Rate	Internal	V9(08)	Round to 8 decimal places, including each interim step.	The greater of ((yield span base rate + additional coverage rate) * multiplicative factor) or designated rate. Report this value in the Preliminary Base Rate (field 46) if it was used to determine the Base Premium Rate that was reported.
Prior Year's Coverage Level Rate Differential	Internal	9(01)V9(03)	None	Prior year's coverage level rate differential from ADM 2.

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Type 11 – APH Guarantee/Liability/Premium Calculation

Edit Description

Field Name	Field Number	Picture	Rounding	Description
Capped Adjusted Yield Span Base Premium Rate	Internal	V9(08)	Round to 8 decimal places, including each interim step.	Adjusted yield span base rate * prior year's coverage level rate differential * 1.20. If the chosen county has no prior year's yield and rate elements, this calculation will equal .999.
Prior Year's Reference Yield	Internal	9(05)V9(02)	None	Prior year's reference yield from ADM 1C.
Prior Year's Yield Ratio	Internal	9(07)V9(02)	Round to 2 decimal places.	Rate yield divided by the prior year's reference yield, CUP at 0.50 and CAP at 1.50.
Prior Year's Exponent	Internal	9(02)V9(03)	None	The power (exponent ADM 1C) that prior year's yield ratio is raised in calculation of prior year's continuous rating base rate.
Prior Year's Reference Rate	Internal	9(01)V9(03)	None	Prior year's reference rate from ADM 1C used in the calculation of prior year's continuous rating base rate.
Prior Year's Fixed Rate Load	Internal	9(01)V9(03)	None	Prior year's fixed rate load from ADM 1C used in the calculation of prior year's continuous rating base rate.
Prior Year's Continuous Rating Base Rate	Internal	V9(08)	Round to 8 decimal places, including each interim step.	The result of prior year's yield ratio, exponent, reference rate, and fixed rate load.
Prior Year's Adjusted Continuous Rating Base Rate	Internal	V9(08)	Round to 8 decimal places, including each interim step.	The greater of ((prior year's continuous rating base rate + additional coverage rate) * multiplicative factor) or designated rate. Report this value in the Preliminary Base Rate (field 46) if it was used to determine the Base Premium Rate that was reported.
Prior Year's Residual Factor	Internal	9(01)V9(03)	None	The prior year residual factor from ADM2 by coverage level if applicable. If factor does not apply default to 1.000. For basic (BU) and optional (OU) units the factor will be used as is from the ADM2. For enterprise (EU) the factor will be one-half of the ADM2 factor rounded to the third decimal. If the ADM 2 does not have a prior year residual factor to adjust for the enterprise coverage level selected then the adjusted residual factors by coverage level are: 65%=1.000, 70%=1.028, 75%=1.055, 80%=1.083, 85%=1.110.

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Type 11 – APH Guarantee/Liability/Premium Calculation

Edit Description

Field Name	Field Number	Picture	Rounding	Description
Capped Prior Year's Adjusted Continuous Rating Base Premium Rate	Internal	V9(08)	Round to 8 decimal places, including each interim step.	The result of prior year's adjusted continuous rating base rate * prior year's coverage level rate differential * 1.20
Base Premium Rate	45	V9(08)	Round to 8 decimal places, including each interim step.	The lower of current year's continuous rating base premium rate, capped yield span base premium rate, capped prior year's adjusted continuous rating base premium rate, or .999.
Unit Factor(s)	Internal	9(01)V9(03)	None	The option factor from ADM K for OU and BU, ADM WC for EU. For enterprise the basic unit (BU) factor and enterprise unit (EU) factor (Unit Premium Adjustment Factor) will apply.
Optional Coverage Factor(s)	Internal	9(01)V9(03)	None	If Common Option Codes (Field 49) do not equal spaces, the Option Factor from ADM K. If Common Option Codes are spaces, the Option Coverage Factor(s) = 1.000. Round to 3 decimal places when multiple factors are used to determine this value.
Experience Factor	51	9(01)V9(02)	None	Experience Factor reported.
Premium Rate Surcharge	Internal	9(01)V9(02)	None	If the Premium Rate Surcharge Flag (Field 52) is Y, the Premium Rate Surcharge = 0.05. If the Premium Rate Surcharge Flag equals spaces, the Premium Rate Surcharge = 0.00.
Premium Rate Discount Factor	Internal	9(01)V9(04)	None	If the option code is BE, then look up the factor from ADM K. This is used only for Biotech at this time.
Total Premium	62	9(10)	Whole Dollar	Unsubsidized premium.
Multiple Cropping Factor	Internal	V9(02)	None	Factor used to adjust indemnity and prevented planting indemnity (based on flag in field 89) to comply with ARPA legislation on double cropping and prevented planting.
Subsidy Factor	Internal	V9(03)	None	Subsidy Factor determined using Exhibit 11-11, page 2.
Subsidy	63	9(10)	Whole Dollar	Amount of Total Premium that is subsidized.
Producer Premium	68	9(10)	Nearest Whole Dollar	Amount of premium charged to the producer (farmer).

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Actual Revenue History Crops
(Insurance Plan Code 47)

Cherries (0057) Navel Oranges (0215) CA only

Note: These calculations are appropriate only for ARH. It should be noted that for ARH, the Yield field (Field 31) is expressed in dollars. This is the same for other fields labeled as "yields".

DOLLAR AMOUNT OF INSURANCE

Dollar Amount of Insurance	=	Yield	*	Yield Conversion Factor	*	Coverage Level	*	Price Election Factor	*	Share
(Field 32) (Note 7)		(Field 31) (Note 7)		(Field 44)		(Field 34)		(Field 43)		(Field 41)

TOTAL GUARANTEE

Total Guarantee	=	Dollar Amount of Insurance Per Acre	*	Reported Acres
(Field 38) (Note 7)		(Field 32) (Note 7)		(Field 37) (Note 5)

LIABILITY

Liability	=	Total Guarantee
(Field 42) (Note 7)		(Field 38) (Note 7)

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CONTINUOUS RATE CALCULATION

In all cases for ARH Revenue, the numbers used *actually* reflect revenue numbers even though the variable names (as previously defined) are labeled as yields.

Unadjusted Approved Revenue = Expected Revenue Factor * Rate Yield
(Field 44) (Field 85)
(Note 7) (Note 7)

Revenue Ratio = RateYield / Reference Revenue
(Field 85)
(Note 14) (Note 2)

Continuous Rating Base Rate = (Revenue Ratio ** Exponent) * Reference Rate +
(Note 12) Fixed Rate Load

Adjusted Continuous Rating Base Rate (Preliminary) = Greater of : ((Continuous Rating Base Rate +
(Field 46) ~~High Risk Rate~~ Additive Coverage Rate) * ~~High Risk Rate~~ Multiplicative Factor) OR
(Note 10) Designated Rate
(Note 10)

Base Premium Rate = Adjusted Continuous Rating Base Rate (Preliminary) * Rate Differential * Residual Factor
(Field 45) (Field 46)
(Note 10) (Note 10)

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TOTAL PREMIUM

Total Premium = Liability * Base Premium Rate * Unit Factor * Optional Coverage Factor
(Field 62) (Field 42) (Field 45)
(Note 7) (Note 7) (Note 10)

SUBSIDY and PRODUCER PREMIUM

Subsidy = Total Premium * Subsidy Factor
(Field 63) (Field 62) (Note 8)
(Note 7) (Note 7)

Producer Premium = Total Premium - Subsidy
(Field 68) (Field 62) (Field 63)
(Note 7) (Note 7) (Note 7)

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Type 11 – Actual Revenue History Guarantee/Liability/Premium Calculation

Edit Description

Field Name	Field Number	Picture	Rounding	Description
Yield	31	9(08)V9(02)	Nearest Whole Dollar	Approved revenue yield.
Yield Conversion Factor	44	9(01)V9(03)	None	Expected revenue factor from ADM.
Coverage Level	34	9(01)V9(04)	None	50, 55, 60, 65, 70, 75
Reported Acres	37	9(06)V9(02)	Tenths	Number of acres reported.
Total Guarantee	38	9(06)V9(02)	Nearest Whole Dollar	Total guaranteed revenue.
Insured Share	41	9(01)V9(03)	None	Insured share reported.
Price Election Factor	43	9(01)V9(04)	Two decimals	The payment factor elected by the insured.
Liability	42	9(10)	Nearest Whole Dollar	Value of the insurance protection for the crop, taking into account the insured's elected coverage level, share, and payment factor.
Rate Yield	85	9(08)V9(02)	Nearest Whole Dollar	Rate revenue reported. This revenue is used to determine the correct rate and may be the same as the approved revenue. Must match rate yield on the record Type 15.
Dollar Amount of Insurance	32	9(08)V9(02)	Nearest Whole Dollar	Guaranteed dollar amount of protection per acre.
Unadjusted Approved Revenue	Internal	9(07)V9(02)	Nearest Whole Dollar	Rate yield multiplied by Expected Revenue Factor. Cup and cap specific to location.
Continuous Rating Base Rate	Internal	V9(08)	Round to 8 decimal places, including each interim step	The result of Revenue Ratio, Exponent, Reference Rate, and Fixed Rate Load.
Additional Coverage Rate	Internal	9(01)V9(03)	None	If Common Option Codes (field 49) rate method is equal to "A", the rate is from the ADM K. If map area (high risk) is not equal to spaces, the high risk rate from ADM F if rate method equal to "A". Add endorsement rate and high risk rate if applicable. Otherwise default is 0.000.
Multiplicative Factor	Internal	9(02)V9(03)	None	If the map area (high risk) is not equal to spaces, the high risk rate from ADM F if rate method equal to "M". If equal to spaces the default is 1.000.
Designated Rate	Internal	9(01)V9(03)	None	If map area (high risk) is not equal to spaces, fixed rate from ADM F used in calculation of adjusted base rate if rate method equal to "F".
Adjusted Continuous Rating Base Rate (Preliminary)	46	V9(08)	Round to 8 decimal places, including each interim step	The ~~result~~ greater of ((Continuous Rating Base Rate + ~~High Risk Rate~~ Additive Coverage Rate) * ~~High Risk Rate~~ Multiplicative Factor) or Designed Rate. Report this value in the Preliminary Base Rate (field 46) if it was used to determine the Base Premium Rate that was reported.

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Type 11 – Actual Revenue History Guarantee/Liability/Premium Calculation

Edit Description

Field Name	Field Number	Picture	Rounding	Description
Base Premium Rate	45	V9(08)	Round to 8 decimal places, including each interim step.	The result of Adjusted Continuous Rating Base Rate (Preliminary), Rate Differential, Residual Factor.
~~High Risk Rate Additive~~	~~Internal~~	~~9(02)V9(09)~~	~~None~~	~~Default of 0.~~
~~High Risk Rate Multiplicative~~	~~Internal~~	~~9(02)V9(09)~~	~~None~~	~~Default of 1.~~
Total Premium	59	9(10)	Nearest Whole Dollar	Unsubsidized premium.
Unit Factor(s)	Internal	9(01)V9(03)	None	The option factor from ADM.
Optional Coverage Factor(s)	Internal	9(01)V9(02)	None	If Common Option Codes (Field 46) do not equal spaces, the Option Factor from ADM K. If Common Option Codes are spaces, the Option Coverage Factor(s) = 1.000.
Subsidy Factor	Internal	V9(03)	None	Subsidy Factor determined using Exhibit 11-11, page 2.
Subsidy	60	9(10)	Nearest Whole dollar	Amount of Total Premium that is subsidized.
Producer Premium	65	9(10)	Nearest Whole Dollar	Amount of premium charged to the producer (farmer).

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Dollar Amount of Insurance Crops
(Insurance Plan Code 50)

Florida Citrus: Citrus I (0245) Citrus II (0246) Citrus III (0247) Citrus IV (0248)
Citrus V (0249) Citrus VI (0250) Citrus VII (0251) Citrus VIII (0252)
Citrus Trees: TX (See Exhibit 11-2 for crop codes) Forage Seeding (0032) Citrus IX (0253)
Macadamia Trees (0024) Peppers (0083) Raisins (0037)**
Fresh Market Sweet Corn (0044) Fresh Market Tomatoes (0086)

MULTI CROPPING LIMITATIONS APPLY TO THIS PLAN
See Informational Memorandum R & D 99-036 for applicable states, plans of insurance & crop year.

DOLLAR AMOUNT OF INSURANCE

Dollar Amount of Insurance =
Ref Max Amount ** MPCI Coverage Level * Price Election Factor
(from ADM) (Applicable for Florida Citrus Only)

TOTAL GUARANTEE

Total Guarantee = Dollar Amount of Insurance Per Acre * Reported Acres
(Note 7) (Note 7) (Note 5)

LIABILITY

Liability = Total Guarantee * Insured Share
(Note 7) (Note 7)

If CE Option Selected (for TX Citrus Trees ONLY):

CE Option Coverage Factor = ((CEO Coverage Level/MCPI Coverage Level) – 1)

CEO Liability = Liability * CE Option Coverage Factor

Liability (Total) = Liability + CEO Liability

draft

PRELIMINARY TOTAL PREMIUM

Preliminary Total Premium = Liability * MPCI Base Premium Rate * Map Factor *
(Note 7) (Note 7)

Rate Class Option Factor * Option Factor * Experience Factor

TOTAL PREMIUM

Total Premium = Preliminary Total Premium * Multi Crop Reduction Factor
(Note 7) (.35)

PRODUCER PREMIUM

Subsidy = Total Premium * Subsidy Factor
(Field 63) (Field 62)
(Note 7) (Note 7)

Producer Premium = Total Premium - Subsidy
(Field 68) (Field 62) (Field 63)
(Note 7) (Note 7) (Note 7)

draft

Type 11 – Dollar Amount of Insurance Guarantee/Liability/Premium Calculation

Edit Description

Field Name	Field Number	Picture	Rounding	Description
Dollar Amount of Insurance	32	9(08)V9(02)	Nearest Whole Dollar.	MPCI Dollar Amount of Insurance reported. See Exhibit 11-4
Reported Acres	37	9(06)V9(02)	To Tenths. *To Hundredths for Raisins Only*.	Number of acres reported.
CEO Coverage Level	79	9(01)V9(04)	None	55, 50, 65, 70, 75, 80 & 85 if CEO selected
CEO Coverage Factor	Internal	9(01)V9(5)	Round to 5 decimal places	((CEO Coverage Level/MCPI Coverage Level) – 1)
CEO Liability	Internal	9(10)	Nearest Whole Dollar	Liability time CEO Coverage Factor
Total Guarantee	38	9(08)V9(02)	Nearest Whole Dollar.	Total dollar guarantee for the current acreage line (Type 11).
Insured Share	41	9(01)V9(03)	None	Insured share reported.
Liability	42	9(10)	Nearest Whole Dollar.	Dollar value of the insurance protection for the crop, taking into account the insured's elected coverage level and share in the acreage. This field is based on the CEO Coverage Level, if elected.
Base Premium Rate	45	V9(08)	None	Base Premium Rate reported.
Map Factor	Internal	9(01)V9(03)	None	See Exhibit 11-3.
Rate Class Option Factor	50	X(20)	None	If the Option Code (field 50) is not equal to spaces, the Rate Class Option Factor comes from ADM R Rate Class Option Record. If the Rate Class Option Code is equal to spaces, the Type/Practice Option Factor = 1.000.
Option Factor	Internal	9(01)V9(03)	None	This factor is the result of Unit Option Code (field 48) and Common Option Code (field 49) from ADM O record. If not applicable (spaces) factor equals 1.000.
Experience Factor	51	9(01)V9(03)	None	Experience Factor reported.

draft

Type 11 – Dollar Amount of Insurance Guarantee/Liability/Premium Calculation

Edit Description

Field Name	Field Number	Picture	Rounding	Description
Total Premium	62	9(10)	Nearest Whole Dollar	Unsubsidized premium.
Subsidy Factor	Internal	V9(03)	None	Subsidy Factor from Subsidy Factor table on FCI-35.
Multiple Cropping Factor	Internal	V9(02)	None	Factor used to adjust indemnity and prevented planting indemnity (based on flag in field 89) to comply with ARPA legislation on double cropping and prevented planting.
Subsidy	63	9(10)	Whole Dollar	Amount of Total Premium that is subsidized.
Producer Premium	68	9(10)	Nearest Whole Dollar	Amount of premium charged to the producer (farmer).

draft

Fixed Dollar Amount of Insurance Crops
(Insurance Plan Code 51)

Chile Peppers (0045)

MULTI CROPPING LIMITATIONS APPLY TO THIS PLAN

DOLLAR AMOUNT OF INSURANCE = ADM Dollar Amount * Guarantee Reduction Factor
(see Special Provisions and Exhibit 11-5)

TOTAL GUARANTEE

Total Guarantee =Dollar Amount of Insurance Per Acre * Reported Acres
(Note 7) (Note 7) (Note 5)

LIABILITY

Liability = Total Guarantee * Insured Share
(Note 7) (Note 7)

PRELIMINARY TOTAL PREMIUM

Preliminary Total Premium = Liability * Base Premium Rate * Map Factor * Option Factor
(Note 7) (Note 7)

draft

TOTAL PREMIUM

Total Premium = Preliminary Total Premium * Multi Crop Reduction Factor
(Field 62) (Note 7) (.35)
(Note 7)

PRODUCER PREMIUM

Subsidy = Total Premium * Subsidy Factor
(Field 63) (Field 62) (Note 8)
(Note 7) (Note 7)

Producer Premium = Total Premium - Subsidy
(Field 68) (Field 62) (Field 63)
(Note 7) (Note 7) (Note 7)

draft

Type 11 – Fixed Dollar Amount of Insurance Guarantee/Liability/Premium Calculation

Edit Description

Field Name	Field Number	Picture	Rounding	Description
Dollar Amount of Insurance	32	9(08)V9(02)	None	Dollar Amount of Insurance from ADM- 1-D.
Reported Acres	37	9(06)V9(02)	To Tenths.	Number of acres reported.
Total Guarantee	38	9(08)V9(02)	Nearest Whole Dollar.	Total dollar guarantee for the current acreage line (Type 11).
Insured Share	41	9(01)V9(03)	None	Insured share reported.
Liability	42	9(10)	Nearest Whole Dollar.	Dollar value of the insurance protection for the crop, taking into account the insured's elected coverage levels and share in the acreage.
Base Premium Rate	45	V9(08)	None	Base Premium Rate reported.
Map Factor	Internal	9(01)V9(03)	None	See Exhibit 11-3.
Option Factor	Internal	9(01)V9(03)	None	*This factor is the result of Unit Option code (field 48) and Common Option code (field 49). Factor comes from ADM-O record. If not applicable (spaces) factor equals 1.000.
Guarantee Reduction Factor	36	V9(03)	None	Reduction Factor provided by company.
Total Premium	62	9(10)	Nearest Whole Dollar	Unsubsidized premium.
Multiple Cropping Factor	Internal	V9(02)	None	Factor used to adjust indemnity and prevented planting indemnity (based on flag in field 89) to comply with ARPA legislation on double cropping and prevented planting.
Subsidy Factor	Internal	V9(03)	None	Subsidy Factor determined using Exhibit 11-11, page 2.
Subsidy	63	9(10)	Whole Dollar	Amount of Total Premium that is subsidized.
Producer Premium	68	9(10)	Nearest Whole Dollar	Amount of premium charged to the producer (farmer).

draft

Dollar Amount of Insurance Crops
(Insurance Plan Code 41)

Pecans (0020)

MULTI CROPPING LIMITATIONS APPLY TO THIS PLAN

DOLLAR AMOUNT OF INSURANCE

IF COVERAGE FLAG = L or A:
Dollar Amount of Insurance = Yield from the T-11 * Coverage Level Percent
(Note 7) (Field 31) (Field 34)
(Note 7)

IF COVERAGE FLAG = C:
Dollar Amount of Insurance = Yield from the T-11 * Coverage Level Percent * 55
(Note 7) (Field 31) (Field 34)
(Note 7)

GUARANTEE PER ACRE

Guarantee Per Acre = Dollar Amount of Insurance * Guarantee Reduction Factor
(Note 7) (Note 7)

TOTAL GUARANTEE

Total Guarantee = Guarantee Per Acre * Reported Acres
(Note 7) (Note 7) (Note 5)

LIABILITY

Liability = Total Guarantee * Insured Share
(Note 7) (Note 7)

PRELIMINARY TOTAL PREMIUM

Preliminary Total Premium = Liability * Base Premium Rate * Map Factor * Option Factor
(Note 7) (Note 7)

draft

TOTAL PREMIUM

Total Premium = Preliminary Total Premium * Multi Cropping Reduction Factor
(Note 7)

PRODUCER PREMIUM

Subsidy	=	Total Premium	*	Subsidy Factor
(Field 63)		(Field 62)		
(Note 7)		(Note 7)		(Note 8)

Producer Premium	=	Total Premium	- Subsidy
(Field 68)		(Field 62)	(Field 63)
(Note 7)		(Note 7)	(Note 7)

draft

Type 11 – Dollar Amount of Insurance Guarantee/Liability/Premium Calculation

Edit Description

Field Name	Field Number	Picture	Rounding	Description
Dollar Amount of Insurance	32	9(08)V9(02)	Nearest Whole Dollar.	Selected Dollar Amount of Insurance reported.
Guarantee Reduction Factor	36	V9(03)	None	Guarantee reduction factor. See Exhibit 11-1.
Guarantee Per Acre	35	9(08)V9(02)	Nearest Whole Dollar.	Guarantee dollar amount of insurance per acre.
Reported Acres	37	9(06)V9(02)	To tenths.	Number of acres reported.
Total Guarantee	38	9(08)V9(02)	Nearest Whole Dollar.	Total dollar guarantee for the current acreage line (Type 11).
Insured Share	41	9(01)V9(03)	None	Insured share reported.
Liability	42	9(10)	Nearest Whole Dollar.	Dollar value of the insurance protection for the crop, taking into account the insured's elected coverage levels and share in the acreage.
Base Premium Rate	45	V9(08)	None	Base Premium Rate reported.
Map Factor	Internal	9(01)V9(03)	None	If the Map Area (Field 239) is not spaces, the map factor comes from ADMH Map Factor. If the Map Area is spaces, the map factor = 1.000.
Option Factor	Internal	9(01)V9(03)	None	This factor is the result of Unit Option Code (field 48) and Common Option Code (field 49) from ADM O record. If not applicable (spaces) factor equals 1.000.
Total Premium	62	9(10)	Nearest Whole Dollar	Unsubsidized premium.
Subsidy Factor	Internal	V9(03)	None	Subsidy Factor determined using Exhibit 11-11, page 2.
Subsidy	63	9(10)	Whole Dollar	Amount of Total Premium that is subsidized.
Producer Premium	68	9(10)	Nearest Whole Dollar	Amount of premium charged to the producer (farmer).

draft

YIELD BASE DOLLAR AMOUNT OF INSURANCE
(Insurance Plan Code 55)

HYBRID SEED CORN (0062) **HYBRID SEED SORGHUM (0050)**

MULTI CROPPING LIMITATIONS APPLY TO THESE PLANS

Guarantee Per Acre

To Calculate Yield: (County Yield from FCI-35 * Coverage Level Percent Factor) - Minimum Payment (in bushels)
(Note 5)

Guarantee Per Acre = Yield * Price Election
(Note 7)

If Late or Prevented Planning applies, then;
Guarantee Per Acre = (Yield * Price Election) * Guarantee Reduction Factor
(Note 7)

Total Guarantee

Total Guarantee = Guarantee Per Acre * Reported Acres
(Note 7) (Note 7) (Note 3)

Liability

Liability = Total Guarantee * Insured Share
(Note 7) (Note 7)

PRELIMINARY Total Premium

Premium Guarantee Per Acre = Yield * Price Election Amount (If HS Option elected, price should reflect higher of MPCI or HPSE price)

Premium Guarantee = Premium Guarantee Per Acre * Reported Acres
(Note 3)

Premium Liability = Premium Guarantee * Insured Share
(Note 7)

Preliminary Total Premium = Premium Liability * Base Premium Rate * Map Factor * Rate Class Option Factor *
(Note 7) (Note 7)
Option Factor * Experience Factor

draft

TOTAL PREMIUM

Total Premium = Preliminary Total Premium * Multi Crop Reduction Factor
(Field 62) (Note 7) (.35)
(Note 7)

Producer Premium

Subsidy = Total Premium * Subsidy Factor
(Field 63) (Field 62) (Note 8)
(Note 7) (Note 7)

Producer Premium = Total Premium - Subsidy
(Field 68) (Field 62) (Field 63)
(Note 7) (Note 7) (Note 7)

draft

Type 11 - Yield Base Dollar Amount of Insurance Guarantee/Liability/Premium Calculations

Edit Description

Field Name	**Field Number**	**Picture**	**Rounding**	**Description**
Yield	31	9(08)V9(02)	None	County Yield from FCI-35.
Coverage Level	34	9(01)V9(04)	None	50, 55, 60, 65, 70, 75
Price Election Amount	39	9(04)V9(04)	None	Price election submitted with price election factor applied.
Premium Guarantee Per Acre	Internal	9(06)V9(02)	Whole Dollars	Dollar guarantee per acre without any late or prevented planting reductions. It is used as the basis for premium calculation.
Guarantee Reduction Factor	36	V9(03)	None	Guarantee reduction factor reported.
Adjusted Guarantee Per Acre	35	9(06)V9(02)	Whole Dollars	Dollar guarantee per acre.
Guarantee Per Acre	35	9(06)V9(02)	Whole Dollars	Dollar guarantee per acre.
Reported Acres	37	9(06)V9(02)	To tenths	Number of acres reported.
Total Guarantee	38	9(08)V9(02)	Nearest Whole Dollar	Total dollar guarantee for the current acreage line (Type 11) after any late or prevented planting reductions are taken.
Premium Guarantee	Internal	9(08)V9(02)	Whole Dollars	Total dollar guarantee for the current acreage line (Type 11) without any late or prevented planting reductions. It serves as a basis for the premium calculation.
Insured Share	41	9(01)V9(03)	None	Insured share reported.
Liability	42	9(10)	Nearest Whole Dollar	Dollar value of the insurance protection for the crop, taking into account the insured's elected coverage levels and share in the acreage after any reductions due to late or prevented planting.
Premium Liability	Internal	9(09)	Nearest Whole Dollar	Dollar value of the insurance protection for the crop, taking into account the insured's elected coverage levels and share in the acreage without any reductions due to late or prevented planting. This becomes the basis for premium calculations.

draft

Type 11 – Yield Base Dollar Amount of Insurance Guarantee/Liability/Premium Calculation

Edit Description

Field Name	Field Number	Picture	Rounding	Description
Base Premium Rate	45	V9(08)	None	Base Premium Rate reported.
Map Factor	Internal	9(01)V9(03)	None	See Exhibit 11-3.
Rate Class Option Factor	50	X(20)	None	If the Option Code (field 50) is not equal to spaces, the Rate Class Option Factor comes from ADM R Rate Class Option Record. If the Rate Class Option Code is equal to spaces, the Type/Practice Option Factor = 1.000.
Option Factor	Internal	9(01)V9(03)	None	This factor is the result of Unit Option Code (field 45) and Common Option Code (field 49) from ADM O record. If not applicable (spaces) factor equals 1.000.
Experience Factor	51	9(01)V9(03)	None	Experience Factor reported.
Total Premium	62	9(10)	Nearest Whole Dollar	Unsubsidized premium.
Multiple Cropping Factor	Internal	V9(02)	None	Factor used to adjust indemnity and prevented planting indemnity (based on flag in field 89) to comply with ARPA legislation on double cropping and prevented planting.
Subsidy Factor	Internal	V9(03)	None	Subsidy Factor determined using Exhibit 11-11, page 2.
Subsidy	63	9(10)	Whole Dollar	Amount of Total Premium that is subsidized.
Producer Premium	68	9(10)	Nearest Whole Dollar	Amount of premium charged to the producer (farmer).

draft

GRP (Insurance Plan Code 12)			**GRIP (Insurance Plan Code 73)**	
Wheat (0011)	Cotton (0021)	Soybeans (0081)	Corn (0041)	Cotton (0021)
Corn (0041)	Peanuts (0075)	Sugarcane (0038)	Grain Sorghum (0051)	
Barley (0091)	Grain Sorghum (0051)		Soybeans (0081)	Wheat (0011)
Forage Production (0033)		Oysters (0115)		

MULTI CROPPING LIMITATIONS APPLY TO THESE PLANS

DOLLAR AMOUNT OF INSURANCE

Dollar Amount of Insurance for Buyup must be ≥ 60% of the Maximum Protection per Acre and ≤ 100% of the Maximum Protection per Acre.

Dollar Amount of Insurance for CAT = 45% of the Maximum Protection per Acre

Dollar Amount of Insurance (Oysters) for Buyup must be ≥ 60% of GRP Price and ≤ 100% of GRP Price

Dollar Amount of Insurance (Oysters) for CAT = 45% of GRP Price

TOTAL GUARANTEE

Total Guarantee = Dollar Amount of Insurance * Reported Acres
(Note 7) (Note 9) (Note 3)

Total Guarantee (Oysters) = Dollar Amount of Insurance * Oyster Pounds
(Note 9) (Note 9) (Note 4)

LIABILITY

Liability = Total Guarantee * Insured Share
(Note 7) (Note 7)
(Note 9 for Oysters)

PRELIMINARY TOTAL PREMIUM

Preliminary Total Premium = Liability * Base Premium Rate (the ADM rate divided by 100)

TOTAL PREMIUM

Total Premium = Preliminary Total Premium * Multi Crop Reduction Factor
(Field 62) (Note 7) (.35)

draft

PRODUCER PREMIUM

Subsidy = Total Premium * Subsidy Factor
(Field 63) (Field 62) (Note 8)
(Note 7) (Note 7)

Producer Premium = Total Premium - Subsidy
(Field 68) (Field 62) (Field 63)
(Note 7) (Note 7) (Note 7)

draft

Field Name	Field Number	Picture	Rounding	Description
Dollar Amount of Insurance	32	9(08)V9(02)	Dollars and Cents	Selected protection per acre. 60 to 100% of maximum price (GRP Price for Oysters). CAT is 65/45.
Reported Acres	37	9(06)V9(02)	To tenths.	Number of acres reported. Not applicable for Oysters.
Oyster Pounds	33	9(10)	Whole pounds.	Oyster pounds (Apportioned Landings).
Total Guarantee	38	9(08)V9(02)	Nearest Whole Dollar. (GRP Rangeland and Oysters only - Dollars and Cents).	Total dollar guarantee for the current acreage line (Type 11).
Insured Share	41	9(01)V9(03)	None	Insured share reported.
Liability	42	9(10)	Nearest Whole Dollar.	Dollar value of the insurance protection for the crop, taking into account the insured's elected coverage levels and share in the acreage.
Base Premium Rate	45	V9(08)	None	Base Premium Rate per Dollar. (ADM premium rate divided by 100).
Total Premium	62	9(10)	Nearest Whole Dollar	Unsubsidized premium.
Multiple Cropping Factor	Internal	V9(02)	None	Factor used to adjust indemnity and prevented planting indemnity (based on flag in field 89) to comply with ARPA legislation on double cropping and prevented planting. Not applicable for Oysters.
Subsidy Factor	Internal	V9(03)	None	Subsidy Factor determined using Exhibit 11-11, page 2.
Subsidy	63	9(10)	Nearest Whole Dollar	Amount of Total Premium that is subsidized.
Producer Premium	68	9(10)	Nearest Whole Dollar	Amount of premium charged to the producer (farmer).

draft

Insurance Plan Code 13 – Rainfall Index

Insurance Plan Code 14 – Vegetative Index

Pasture, Rangeland and Forage (0088)

Apiculture (1191)

DOLLAR AMOUNT OF INSURANCE (Dollar Amount of Protection Per Acre)

(Only One Dollar Amount Allowed Per County and Crop Type)
One Record for Each Grid ID, Type Code and Index Interval (Practice Code, Field 12)

Dollar Amount of Insurance = (County Base Value per Acre * Coverage Level) * Productivity Factor
(Field 32) (ADM) (Price Election Factor, Field 43)
(Note 9)

TOTAL GUARANTEE

Total Guarantee = Dollar Amount of Insurance * Reported Acres/Colonies
(Note 7) (Note 9) (Note 3) (Note 6)

LIABILITY

Liability = Total Guarantee * Insured Share
(Note 7) (Note 7)

TOTAL PREMIUM

Total Premium = Liability * Base Premium Rate (the ADM rate divided by 100)
(Field 62)
(Note 7)

PRODUCER PREMIUM

Subsidy = Total Premium * Subsidy Factor
(Field 63) (Field 62) (Note 8)
(Note 7) (Note 7)

Producer Premium = Total Premium - Subsidy
(Field 68) (Field 62) (Field 63)
(Note 7) (Note 7) (Note 7)

draft

2011 Florida Fruit and Tropical Trees (0207 – 0214)
(Insurance Plan Code 40)

See Exhibit 11-2 for crop codes.

MULTI CROPPING LIMITATIONS APPLY TO THIS PLAN

TOTAL GUARANTEE

Total Guarantee = Price Election * Coverage Level * Estimated Number of Trees
(Note 7) (Selected)

LIABILITY

Liability = Total Guarantee * Insured Share
(Note 7) (Note 7)

PRELIMINARY TOTAL PREMIUM

Preliminary Total Premium = Liability * Base Premium Rate * Proration Factor * Option Factor
(Note 7) (Note 7) (ADM) (ADM)

TOTAL PREMIUM

Total Premium = Preliminary Total Premium * Multi Crop Reduction Factor
(Field 62)
(Note 7)

PRODUCER PREMIUM

Subsidy = Total Premium * Subsidy Factor
(Field 63) (Field 62) (Note 8)
(Note 7) (Note 7)

Producer Premium = Total Premium - Subsidy
(Field 68) (Field 62) (Field 63)
(Note 7) (Note 7) (Note 7)

draft

Type 11 – Florida Fruit and Tropical Trees Guarantee/Liability/Premium Calculation

Edit Description

Field Name	Field Number	Picture	Rounding	Description
Price Election Amount	39	9(04)V9(04)	Nearest Dollar and Cents.	Maximum price for growth stage times price election percent.
Coverage Level	34	9(01)V9(04)	None	Coverage Level reported.
Estimated Number of Trees	33	9(10)	None	Estimated number of trees by crop code.
Total Guarantee	38	9(08)V9(02)	Nearest Dollar.	Total guarantee for the current acreage line (Type 11).
Insured Share	41	9(01)V9(03)	None	Insured share reported.
Liability	42	9(10)	Nearest Whole Dollar.	This is the dollar value of the insurance protection for the crop, taking into account the insured's elected coverage levels and share.
Base Premium Rate	45	V9(08)	None	Base Premium Rate reported.
Option Factor	Internal	9(01)V9(03)	None	This factor is the result of Unit Option Code (field 45) and Common Option Code (field 49) from ADM O record. If not applicable (spaces) factor equals 1.000.
Total Premium	62	9(10)	Nearest Whole Dollar	Unsubsidized premium.
Subsidy Factor	Internal	V9(03)	None	Subsidy Factor determined using Exhibit 11-11, page 2.
Subsidy	63	9(10)	Whole Dollar	Amount of Total Premium that is subsidized.
Producer Premium	68	9(10)	Nearest Whole Dollar	Amount of premium charged to the producer (farmer).

draft

2010 Hawaii Tropical Trees (0265, 0266 and 0267)
(Insurance Plan Code 40)

See Exhibit 11-2 for crop codes.

MULTI CROPPING LIMITATIONS APPLY TO THIS PLAN

TOTAL GUARANTEE

Total Guarantee = Price Election * Coverage Level * Estimated Number of Trees * Yield Conversion Factor
(Note 7) (Tree Reference) (125% Tree Limitation)
Price By Age)

LIABILITY

Liability = Total Guarantee * Insured Share
(Note 7) (Note 7)

PRELIMINARY TOTAL PREMIUM

Preliminary Total Premium = Liability * Base Premium Rate * Option Factor(s)
(Note 7) (Note 7) (ADM)

TOTAL PREMIUM

Total Premium = Preliminary Total Premium * Multi Crop Reduction Factor
(Field 62)
(Note 7)

PRODUCER PREMIUM

Subsidy = Total Premium * Subsidy Factor
(Field 63) (Field 62) (Note 8)
(Note 7) (Note 7)

Producer Premium = Total Premium - Subsidy
(Field 68) (Field 62) (Field 63)
(Note 7) (Note 7) (Note 7)

draft

Type 11 – Hawaii Tropical Trees Guarantee/Liability/Premium Calculation

Edit Description

Field Name	Field Number	Picture	Rounding	Description
Price Election Amount	39	9(04)V9(04)	Nearest Dollar and Cents.	Maximum price for growth stage times price election percent.
Coverage Level	34	9(01)V9(04)	None	Coverage Level reported.
Estimated Number of Trees	33	9(10)	None	Estimated number of trees by crop code.
Total Guarantee	38	9(08)V9(02)	Nearest Dollar.	Total guarantee for the current acreage line (Type 11).
Insured Share	41	9(01)V9(03)	None	Insured share reported.
Liability	42	9(10)	Nearest Whole Dollar.	This is the dollar value of the insurance protection for the crop, taking into account the insured's elected coverage levels and share.
Base Premium Rate	45	V9(08)	None	Base Premium Rate reported.
Option Factor	Internal	9(01)V9(03)	None	This factor is the result of Unit Option Code (field 45) and Common Option Code (field 49) from ADM O record and any applicable factors from the ADM 1-F record. If not applicable (spaces) factor equals 1.000.
Total Premium	62	9(10)	Nearest Whole Dollar	Unsubsidized premium.
Subsidy Factor	Internal	V9(03)	None	Subsidy Factor determined using Exhibit 11-11, page 2.
Subsidy	63	9(10)	Whole Dollar	Amount of Total Premium that is subsidized.
Producer Premium	68	9(10)	Nearest Whole Dollar	Amount of premium charged to the producer (farmer).

draft

Income Protection (Insurance Plan Code 42)			**Indexed Income Protection (Insurance Plan Code 45)**	
Wheat (0011)*	Cotton (0021)*	Corn (0041)*	Corn (0041)*	Soybeans (0081)*
Grain Sorghum (0051)*	Soybeans (0081)*	Barley (0091)*		

***Crops where multi cropping limitations can apply**

Dollar Amount of Insurance

Dollar Amount of Insurance= (Yield * Coverage Level Percent) * Price Election Amount
(Note 9) (Note 1)

If Late or Prevented Planting applies, then;
Dollar Amount of Insurance= (Yield * Coverage Level Percent) * Price Election Amount * Guarantee Reduction Factor
(Note 9) (Note 1)

Total Guarantee

Total Guarantee = Dollar Amount of Insurance * Acres
(Note 7) (Note 9)

LIABILITY

Liability = Total Guarantee * Share
(Note 7) (Note 7)

PRELIMINARY TOTAL PREMIUM

Premium Dollar Amount of Insurance = (Yield * Coverage Level Percent) * Price Election Amount
(Note 9) (Note 1)

Premium Total Guarantee = Premium Dollar Amount of Insurance * Acres
(Note 7) (Note 9)

Premium Liability = Premium Total Guarantee * Share
(Note 7) (Note 7)

Preliminary Total Premium = Premium Liability * Base Prem Rate * Rate Class Option Factor * Option Factor * Experience Factor
(Note 7) (Note 7)

draft

TOTAL PREMIUM

Total Premium = Preliminary Total Premium * Multi Crop Reduction Factor
(Field 62) (.35)
(Note 7)

Producer Premium

Subsidy = Total Premium * Subsidy Factor
(Field 63) (Field 62) (Note 8)
(Note 7) (Note 7)

Producer Premium = Total Premium - Subsidy
(Field 68) (Field 62) (Field 63)
(Note 7) (Note 7) (Note 7)

[1]Plan Code 42 crops may go up to 85% coverage level. Plan code 45 crops may only go up to 75% coverage level.

draft

Type 11 – Income Protection Guarantee/Liability/Premium Calculation

Edit Description

Field Name	Field Number	Picture	Rounding	Description
Total Guarantee	38	9(08)V9(02)	Nearest Dollar.	This is the total guaranteed yield for the current acreage line (Type 11).
Dollar Amount of Insurance	32	9(08)V9(02)	Nearest Dollar and Cents.	Dollar Amount of Insurance reported.
Guarantee Reduction Factor	36	V9(03)	None	Guarantee Reduction Factor. See Exhibit 11-1.
Reported Acres	37	9(06)V9(02)	None	Number of acres reported.
Liability	42	9(10)	Nearest Whole Dollar	Dollar value of the insurance protection for the crop, taking into account the insured's elected coverage level and share in the acreage after any reductions for late or prevented planting.
Insured Share	41	9(01)V9(03)	None	Insured share reported.
Base Premium Rate	45	9(04)V9(04)	None	Base Premium Rate reported.
Option Factor	Internal	9(01)V9(03)	None	This factor is the result of Unit Option Code (field 45) and Common Option Code (field 49) from ADM O record. If not applicable (spaces) factor equals 1.000.
Total Premium	62	9(10)	Nearest Whole Dollar	Unsubsidized premium.
Multiple Cropping Factor	Internal	V9(02)	None	Factor used to adjust indemnity and prevented planting indemnity (based on flag in field 89) to comply with ARPA legislation on double cropping and prevented planting.
Subsidy Factor	Internal	V9(03)	None	Subsidy Factor determined using Exhibit 11-11, page 2.
Subsidy	63	9(10)	Whole Dollar	Amount of Total Premium that is subsidized.
Producer Premium	68	9(10)	Nearest Whole Dollar	This is the amount of premium the producer (farmer) will have to pay.

draft

Revenue Assurance (RA) Crops
(Insurance Plan Code 25)

Barley (0091)*	Canola (0015)*	Corn (0041)*	Cotton (0021)*
Rice (0018)*	Soybeans (0081)*	Sunflowers (0078)*	Wheat (0011)*

***Crops where multi cropping limitations can apply**

GUARANTEE PER ACRE

Guarantee Per Acre = Dollar Amount of Insurance
(Field 35) (Field 32)
(Note 9) (Note 9)

If Late or Prevented Planting applies:

Guarantee Per Acre = Dollar Amount of Insurance * Guarantee Reduction Factor
(Field 35) (Field 32) (Field 36)
(Note 9) (Note 9)

TOTAL GUARANTEE

Total Guarantee = Guarantee Per Acre * Reported Acres
(Field 38) (Field 35) (Field 37)
(Note 7) (Note 9)

LIABILITY

Liability = Total Guarantee * Insured Share
(Field 42) (Field 38) (Field 41)
(Note 7) (Note 7)

PRELIMINARY TOTAL PREMIUM

Base Optional Dollar
Loaded Premium Per Acre = Premium Rate * Coverage Factor * Amount of Insurance * Residual Factor
(Field 47) (Field 45) (Field 32)
(Note 9) (Note 9)

Loaded
Preliminary Total Premium = Premium Per Acre * Reported Acres * Insured Share * Unit Premium Adjustment Factor
(Internal) (Field 37) (Field 41) (Optional Units only)
(Note 7) (Note 9)

draft

TOTAL PREMIUM

Total Premium = Preliminary Total Premium * Multi Crop Reduction Factor
(Field 62) (.35)
(Note 7)

PRODUCER PREMIUM

Subsidy = Total Premium * Subsidy Factor
(Field 63) (Field 62) (Note 8)
(Note 7) (Note 7)

Producer Premium = Total Premium - Subsidy
(Field 68) (Field 62) (Field 63)
(Note 7) (Note 7) (Note 7)

Note: Loaded Premium Per Acre and Base Premium Rate should be the same for all records of EU or WU unless short rate adjustment (SR) or yield floor option codes (FO & FN), or Canola rotation (CR).

Still determine Base Premium Rate for RA according to the RA 'programming instructions' for 2005 using the new APH continuous rating calculation. If eligible for Biotech discount, the APH Base Premium Rate @ 65% will reflect the Premium Rate Discount Factor.

draft

Field Name	**Field Number**	**Picture**	**Rounding**	**Description**
Dollar Amount of Insurance	32	9(08)V9(02)	Nearest Dollar and Cents.	Dollar Amount of Insurance reported.
Guarantee Reduction Factor	36	V9(03)	None	Guarantee Reduction Factor for late or prevented planting.
Guarantee Per Acre	35	9(08)V9(02)	Nearest Dollar and Cents.	Dollar amount of insurance per acre after any reductions for late or prevented planting.
Reported Acres	37	9(06)V9(02)	To Tenths.	Number of acres reported.
Total Guarantee	38	9(08)V9(02)	Nearest Whole Dollar.	This is the total guaranteed yield for the current acreage line (Type 11) after any late or prevented planting reductions are taken.
Insured Share	41	9(01)V9(03)	None	Insured share reported.
Liability	42	9(10)	Nearest Whole Dollar.	Dollar value of the insurance protection for the crop, taking into account the insured's elected coverage levels and share in the acreage after any reductions due to late or prevented planting.
Base Premium Rate	45	V9(08)	None	The Base Premium Rate according to RA programming instructions rounded to 4 decimal places with 4 trailing zeros. Capped at .99
Optional Coverage Factor(s)	Internal	9(01)V9(03)	None	If Common Option Codes (field 49) do not equal spaces, the Option Factor from ADM K for prevented planting and short rate adjustment. If Common Option Codes are spaces, the Option Coverage Factor(s) = 1.000. Round to 3 decimal places when multiple factors are used to determine this value.

draft

Field Name	**Field Number**	**Picture**	**Rounding**	**Description**
Residual Factor	Internal	9(01)V9(03)	None	The residual factor from ADM2 by coverage level if applicable. If residual factor does not apply default to 1.000. For basic (BU) and optional (OU) units the factor will be used as is from the ADM2. For enterprise unit (EU) the factor will be one-half of the ADM2 factor rounded to the third decimal. If the ADM 2 does not have a residual factor to adjust for the enterprise coverage level selected then the adjusted residual factors by coverage levels are: 65%=1.000, 70%=1.028, 75%=1.055, 80%=1.083, 85%=1.110. For whole farm (WU) unit the factor will be one-third of the ADM2 factor rounded to the third decimal. If the ADM 2 does not have a residual factor to adjust for the whole farm coverage level selected then the adjusted residual factors by coverage levels are: 65%=1.000, 70%=1.018, 75%=1.037, 80%=1.055, 85%=1.073. The selection of Fall Harvest Price Option WILL NOT affect the application of residual factor.
Loaded Premium Per Acre	47	9(04)V9(04)	Nearest Dollar and Whole Cents	The Loaded Premium Per Acre according to RA 'programming instructions'. Decimal places 3rd and 4th will be zeros.
Preliminary Total Premium	Internal	9(10)	Nearest Whole Dollar	Unsubsidized preliminary premium.
Subsidy Factor	Internal	V9(03)	None	Subsidy Factor determined using Exhibit 11-11, page 2.
Subsidy	63	9(10)	Whole Dollar	Amount of Total Premium that is subsidized.
Producer Premium	68	9(10)	Nearest Whole Dollar	Amount of premium charged to the producer (farmer).

Draft

UNIT STRUCTURE	**UNIT PREMIUM ADJ (Field 53)**
Basic, Enterprise, Whole Farm	**1.000**
Optional	**1.100**

draft

Revenue Assurance (RA)
(Insurance Plan Code 25)

Malting Barley (0091) with MA or MB Option

GUARANTEE PER ACRE

Guarantee Per Acre = Dollar Amount of Insurance
(Field 35) (Field 32)
(Note 9) (Note 9)

If Late applies:

Guarantee Per Acre = Dollar Amount of Insurance * Guarantee Reduction Factor
(Field 35) (Field 32) (Field 36)
(Note 9) (Note 9)

TOTAL GUARANTEE

Total Guarantee = Guarantee Per Acre * Reported Acres
(Field 38) (Field 35) (Field 37)
(Note 7) (Note 9)

LIABILITY

Liability = Total Guarantee * Insured Share
(Field 42) (Field 38) (Field 41)
(Note 7) (Note 7)

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TOTAL PREMIUM

Premium Guarantee Per Acre = Dollar Amount of Insurance
(Field 32)
(Note 9) (Note 9)

Premium Guarantee = Premium Guarantee Per Acre * Reported Acres
(Field 37)
(Note 7) (Note 9)

Premium Liability = Premium Guarantee * Insured Share
(Field 41)
(Note 7) (Note 7)

Base Premium Rate = Base Premium Rate @ 65% * Rate Differential
(Field 45)
(Note 12)

Total Premium = Base Premium Rate * Premium Liability * Unit Factor * Optional Coverage Factor(s) * Residual Factor
(Field 62) (Field 45)
(Note 7) (Note 12)

PRODUCER PREMIUM

Subsidy = Total Premium * Subsidy Factor
(Field 63) (Field 62) (Note 8)
(Note 7) (Note 7)

Producer Premium = Total Premium - Subsidy
(Field 68) (Field 62) (Field 63)
(Note 7) (Note 7) (Note 7)

Note: The Base Premium Rate according to RA 'programming instructions' for 2004 for Malting Barley except for change from 'Base Premium Rate @ 75% to 'Base Premium Rate @ 65%' for 2005.

draft

Type 11 – Revenue Assurance Guarantee/Liability/Premium Calculation
Malting Barley
Edit Description

Field Name	Field Number	Picture	Rounding	Description
Dollar Amount of Insurance	32	9(08)V9(02)	Nearest Dollar and Cents.	Dollar Amount of Insurance reported.
Guarantee Reduction Factor	36	V9(03)	None	Guarantee Reduction Factor for late planting.
Guarantee Per Acre	35	9(08)V9(02)	Nearest Dollar and Cents.	Dollar amount of insurance per acre after reduction for late planting.
Reported Acres	37	9(06)V9(02)	To Tenths.	Number of acres reported.
Total Guarantee	38	9(08)V9(02)	Nearest Whole Dollar.	This is the total guaranteed yield for the current acreage line (Type 11).
Insured Share	41	9(01)V9(03)	None	Insured share reported.
Liability	42	9(10)	Nearest Whole Dollar.	Dollar value of the insurance protection for the crop, taking into account the insured's elected coverage levels and share in the acreage.
Premium Guarantee Per Acre	Internal	9(08)V9(02)	Nearest Dollar and Cents.	Guarantee per acre without any adjustment for late planting.
Premium Guarantee	Internal	9(08)V9(02)	Nearest Whole Dollar.	The total guarantee for the current acreage line (Type 11) without any adjustment for late planting.
Premium Liability	Internal	9(10)	Nearest Whole Dollar.	Dollar value of the insurance protection for the crop, taking into account the insured's elected coverage levels and share in the acreage without any adjustment for late planting.
Base Premium Rate @ 65%	Internal	V9(08)	None	Obtained in calculations of 65% base premium rate for APH based on Malting Barley yield. This is a change from past years due to 2005 APH presentation of rates.
Rate Differential	Internal	9(01)V9(03)	None	Obtained from ADM2 based on coverage level.
Base Premium Rate	45	V9(08)	Round to 8 decimal places.	The Base Premium Rate according to RA programming instructions.
Unit Factor	Internal	9(01)V9(03)	None	The option factor from ADM K for BU, OU not applicable.

draft

Type 11 – Revenue Assurance Guarantee/Liability/Premium Calculation
Malting Barley
Edit Description

Field Name	Field Number	Picture	Rounding	Description
Optional Coverage Factor(s)	Internal	9(01)V9(03)	None	If Common Option Codes (field 49) do not equal spaces, the Option Factor from ADM K for 'MA' or 'MB' and other options that are applicable to Malting Barley. Round to 3 decimal places when multiple factors are used to determine this value.
Residual Factor	Internal	9(01)V9(03)	None	The residual factor from ADM2 by selected coverage level if applicable. If residual factor does not apply default to 1.000. The factor will be used as is from the ADM2.
Total Premium	62	9(10)	Whole Dollar	Unsubsidized premium.
Subsidy Factor	Internal	V9(03)	None	Subsidy Factor determined using Exhibit 11-11, page 2.
Subsidy	63	9(10)	Whole Dollar	Amount of Total Premium that is subsidized.
Producer Premium	68	9(10)	Nearest Whole Dollar	Amount of premium charged to the producer (farmer).

draft

Crop Revenue Coverage Crops
(Insurance Plan Code 44)

Corn (0041)*	Wheat (0011)*	Grain Sorghum (0051)*
Soybeans (0081)*	Cotton (0021)*	Rice (0018)*

***Crops where multi cropping limitations can apply**

GUARANTEE PER ACRE

Guarantee Per Acre = Yield * Coverage Level
(Field 35) (Field 31) (Field 34)
(Note 1) (Note 2)

If Late or Prevented Planting applies, then
Guarantee Per Acre = Yield * Coverage Level * Guarantee Reduction Factor
(Field 35) (Field 31) (Field 34) (Field 36)
(Note 1) (Note 2)

TOTAL GUARANTEE

Total Guarantee = Guarantee Per Acre * Reported Acres
(Field 38) (Field 35) (Field 37)
(Note 2) (Note 1) (Note 3)

LIABILITY

Liability = Total Guarantee * Price Election Amount * Insured Share
(Field 42) (Field 38) (Field 39) (Field 41)
(Note 7) (Note 2)

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PREMIUM LIABILITY

Premium Guarantee Per Acre = Yield * Coverage Level
(Note 1) (Field 31) (Note 2) (Field 34)

Premium Guarantee = Premium Guarantee Per Acre * Reported Acres
(Note 2) (Note 1) (Note 3) (Field 37)

Premium Liability = Premium Guarantee * Price Election Amount * Insured Share
(Note 7) (Note 2) (Field 39) (Field 41)

CONTINUOUS RATE CALCULATION

Note: The following capping procedure is intended to keep a producer's base premium rate NOT including the residual factor from exceeding 20% more than what this year's insurance choices would have been last year given this year's rate yield and coverage level selection. It is not intended to cap a producer's actual premium from last year as his or her APH may have changed as well as the coverage level elected.

Current Year's Yield Ratio = Rate Yield/Current Year Reference Yield
(Note 14) (Note 2) (Field 85)

Current Year's Continuous Rating Base Rate = (Current Year's Yield Ratio ** Current Year's Exponent) *
(Note 12) (Note 11)
Current Year's Reference Rate + Current Year's Fixed Rate Load

Current Year's Adjusted Continuous Rating Base Rate = Greater of: ((Current Year's Continuous Rating Base Rate +
(Field 46) Additional Coverage Rate) * Multiplicative Factor) OR Designated Rate
(Note 10)

Current Year's Continuous Rating Base Premium Rate = Current Year's Adjusted Continuous Rating Base Rate * (Note 10) Coverage Level Rate Differential

Adjusted Yield Span Base Rate = Greater of: ((Yield Span Base Rate + Additional Coverage Rate) *
(Field 46) Multiplicative Factor) OR Designated Rate
(Note 10)

Capped Adjusted Yield Span Base Premium Rate = Adjusted Yield Span Base Rate * Prior Year's Coverage Level Rate
(Note 12) Differential * 1.20

Prior Year's Yield Ratio = Rate Yield / Prior Year's Reference Yield
(Note 14) (Note 2) (Field 85)

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Prior Year's Continuous Rating Base Rate = ((Prior Year's Yield Ratio ** Prior Year's Exponent) *
(Note 12) (Note 11)
Prior Year's Reference Rate + Prior Year's Fixed Rate Load)

Prior Year's Adjusted Continuous Rating Base Rate = Greater of: ((Prior Year's Continuous Rating Base Rate +
(Field 46) Additional Coverage Rate) * Multiplicative Factor) OR Designated Rate
(Note 10)

Capped Prior Year's Adjusted Continuous Rating Base Premium Rate = Prior Year's Adjusted Continuous Rating Base
(Note 10) Rate * Prior Year's Coverage Level Rate Differential * 1.20

Base Premium Rate = lower of: (Current Year's Continuous Rating Base Premium Rate, Capped Adjusted Yield Span
(Field 45) Base Premium Rate, Capped Prior Year's Adjusted Continuous Rating Base Premium Rate, or .999)
(Note 10) * Premium Rate Discount Factor

Standard Deviation =	Level 50:	(1.44434394 * Base Premium Rate) + 0.40198673
(Note 10)	Level 55:	(1.54650547 * Base Premium Rate) + 0.37456110
	Level 60:	(1.64841058 * Base Premium Rate) + 0.34460749
	Level 65:	(1.75040141 * Base Premium Rate) + 0.31214948
	Level 70:	(1.85281979 * Base Premium Rate) + 0.27715584
	Level 75:	(1.95603215 * Base Premium Rate) + 0.23953590
	Level 80:	(2.06046206 * Base Premium Rate) + 0.19912558
	Level 85:	(2.16664218 * Base Premium Rate) + 0.15565713

Probability Variable T = Standard Deviation / (Standard Deviation + 0.33267 * (1 - Coverage Level))
(Note 10)

T Factor = (0.4361836 * Probability Variable T) - (0.1201676 * Probability Variable T ** 2) +
(Note 10) (0.937298 * Probability Variable T ** 3)

Exponential Factor = (2.71828183) ** (-0.5 * ((1 - Coverage Level) / Standard Deviation) ** 2)
(Note 10)

CRC Base Rate = 0.39894228 * Coverage Level * (1 - Base Premium Rate) * Exponential Factor * T Factor
(Note 10)

YIELD, REVENUE & PRICE CALCULATIONS

Yield Risk = Premium Guarantee Per Acre * Base Premium Rate * Price Election Amount
(Note 9) (Note 1) (Field 39)

Revenue Risk = Premium Guarantee Per Acre * CRC Base Rate * CRC Low Price Factor
(Note 9) (Note 1)

Price Risk = Premium Guarantee Per Acre * Base Premium Rate * CRC High Price Factor
(Note 9) (Note 1)

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PRELIMINARY TOTAL PREMIUM

Preliminary Total Premium = (Yield Risk + Revenue Risk + Price Risk) * Reported Acres * Insured Share *
(Note 7) (Note 9) (Note 9) (Note 9) (Field 37) (Note 5) (Field 41)

Unit Factor(s) * Optional Coverage Factor(s) * Residual Factor * (1.00 + Premium Rate Surcharge %)
(Field 49)

TOTAL PREMIUM

Total Premium = Preliminary Total Premium * Multi Crop Reduction Factor
(Field 62) (Note 7) (.35)

PRODUCER PREMIUM

Subsidy = Total Premium * Subsidy Factor
(Field 63) (Field 62) (Note 8)
(Note 7) (Note 7)

Producer Premium = Total Premium - Subsidy
(Field 68) (Field 62) (Field 63)
(Note 7) (Note 7)

Note: See Note 12 of exhibit 11-11 page 1 - Round to 8 decimal places, including each interim step.

Note: Additional Coverage Rate default .000

Note: Multiplicative Factor default 1.000

Note: Designated Rate default 0.000

Note: Base Premium Rate maximum value .999

Note: Optional Coverage factor(s) if multiple factors, are valid.

Note: Unit Factor(s) for enterprise the basic unit discount (ADMK) and enterprise unit discount (Unit Premium Adjustment Factor ADM WC) will apply.

draft

Type 11 – Crop Revenue Coverage/Liability/Producer Premium Calculation

Edit Description

Field Name	Field Number	Picture	Rounding	Description
Yield	31	9(08)V9(02)	Nearest whole bushel or pound	Yield reported.
Coverage Level	34	9(01)V9(04)	None	Coverage Level reported.
Guarantee Reduction Factor	36	V9(03)	None	Guarantee reduction factor for late or prevented planting. See Exhibit 11-1.
Guarantee Per Acre	35	9(08)V9(02)	Nearest whole pound. nearest hundredths for tonnage crops, or tenth for bushel	Guaranteed yield per acre after any reduction for late or prevented planting.
Reported Acres	37	9(06)V9(02)	Nearest tenth	Number of acres reported.
Total Guarantee	38	9(08)V9(02)	Nearest whole pound or bushel	Total guaranteed yield for the current acreage line (Type 11) after any reduction for late or prevented planting.
Price Election Amount	39	9(04)V9(04)	None	CRC Base Price reported.
Insured Share	41	9(01)V9(03)	None	Insured Share reported.
Liability	42	9(10)	Nearest whole dollar	Total Guarantee for the crop, taking into account the insured's elected coverage level and share in the acreage after any reduction for late or prevented planting.
Premium Guarantee Per Acre	Internal	9(08)V9(02)	Nearest whole pound or nearest tenth for other units of measure.	Guaranteed yield per acre without any late or prevented planting reductions. It is used as the basis for premium calculation.
Premium Guarantee	Internal	9(08)V9(02)	Nearest tenth for barrels or tons, nearest whole number for all other units of measure.	Total guaranteed yield for the current acreage line (Type 11) without any late or prevented planting reductions. Used for the premium calculation.
Premium Liability	Internal	9(10)	Nearest Whole Dollar	Dollar value of the insurance protection for the crop, taking into account the insured's elected coverage levels and share in the acreage without any yield reductions due to late or prevented planting. Used for the premium calculations.

draft

Type 11 – Crop Revenue Coverage/Liability/Producer Premium Calculation

Edit Description

Field Name	Field Number	Picture	Rounding	Description
Rate Yield	85	9(08)V9(02)	Nearest tenth for barrels or tons, nearest whole number for other units of measure.	Rate yield reported. This yield is used to determine the correct rate and may be the same as the approved yield. Must match rate yield on the record type 15.
Current Year's Reference Yield	Internal	9(05)V9(02)	None	Reference yield from ADM 1C.
Current Year's Yield Ratio	Internal	9(07)V9(02)	Round to 2 decimal places.	Rate yield divided by the current year's reference yield, CUP at 0.50 and CAP at 1.50.
Current Year's Exponent	Internal	9(02)V9(03)	None	The power (exponent ADM 1C) that yield ratio is raised in calculation of current year's uncapped base premium rate.
Current Year's Reference Rate	Internal	9(01)V9(03)	None	Reference rate from ADM 1C used in the calculation of current year's continuous rating base rate.
Current Year's Fixed Rate Load	Internal	9(01)V9(03)	None	Fixed rate load from ADM 1C used in the calculation of current year's continuous rating base rate.
Current Year's Continuous Rating Base Rate	Internal	V9(08)	Round to 8 decimal places, including each interim step.	The result of current year's yield ratio, exponent, reference rate and fixed rate load.
Additional Coverage Rate	Internal	9(01)V9(03)	None	If Common Option Codes (field 49) rate method is equal to "A", the rate is from the ADM K. If map area (high risk) is not equal to spaces, the high risk rate from ADM F if rate method equal to "A". Add endorsement rate and high risk rate if applicable. Otherwise default is 0.000.
Multiplicative Factor	Internal	9(02)V9(03)	None	If the map area (high risk) is not equal to spaces, the high risk rate from ADM F if rate method equal to "M". If equal to spaces the default is 1.000.
Designated Rate	Internal	9(01)V9(03)	None	If map area (high risk) is not equal to spaces, fixed rate from ADM F used in calculation of adjusted base rate if rate method equal to "F".
Current Year's Adjusted Continuous Rating Base Rate	Internal	V9(08)	Round to 8 decimal places, including each interim step.	The greater of ((current year's continuous rating base rate + additional coverage rate) * multiplicative factor) or designated rate. Report this value in the Preliminary Base Rate (field 46) if it was used to determine the Base Premium Rate that was reported.

draft

Type 11 – Crop Revenue Coverage/Liability/Producer Premium Calculation

Edit Description

Field Name	Field Number	Picture	Rounding	Description
Coverage Level Rate Differential	Internal	9(01)V9(03)	None	Coverage level rate differential from ADM 2.
Current Year's Continuous Rating Base Premium Rate	Internal	V9(08)	Round to 8 decimal places, including each interim step.	The result of current year's adjusted continuous rating base rate * coverage level rate differential.
Yield Span Base Rate	Internal	9(01)V9(03)	None	Yield span base rate from ADM 1C used to calculate capped yield span base rate.
Adjusted Yield Span Base Rate	Internal	V9(08)	Round to 8 decimal places, including each interim step.	The greater of ((yield span base rate + additional coverage rate) * multiplicative factor) or designated rate. Report this value in the Preliminary Base Rate (field 46) if it was used to determine the Base Premium Rate that was reported.
Prior Year's Coverage Level Rate Differential	Internal	9(01)V9(03)	None	Prior year's coverage level rate differential from ADM 2.
Capped Adjusted Yield Span Base Premium Rate	Internal	V9(08)	Round to 8 decimal places, including each interim step.	Adjusted yield span base rate * prior year's coverage level rate differential capped at 1.20. If the chosen county has no prior year's yield and rate elements, this calculation will equal .999.
Prior Year's Reference Yield	Internal	9(05)V9(02)	None	Prior year's reference yield from ADM 1C.
Prior Year Yield Ratio	Internal	9(07)V9(02)	Round to 2 decimal places.	Rate yield divided by the prior year's reference yield, CUP at 0.50 and CAP at 1.50.
Prior Year's Exponent	Internal	9(02)V9(03)	None	The power (exponent ADM 1C) that prior year's yield ratio is raised in calculation of prior year's continuous rating base rate.
Prior Year's Reference Rate	Internal	9(01)V9(03)	None	Prior year's reference rate from ADM 1C used in the calculation of prior year's continuous rating base rate.
Prior Year's Fixed Rate Load	Internal	9(01)V9(03)	None	Prior year's fixed rate load from ADM 1C used in the calculation of prior year's continuous rating base rate.
Prior Year's Continuous Rating Base Rate	Internal	V9(08)	Round to 8 decimal places.	The result of prior year's yield ratio, exponent, reference rate, and fixed rate load.

draft

Type 11 – Crop Revenue Coverage/Liability/Producer Premium Calculation

Edit Description

Field Name	Field Number	Picture	Rounding	Description
Prior Year's Adjusted Continuous Rating Base Rate	Internal	V9(08)	Round to 8 decimal places, including each interim step.	The greater of ((prior year's continuous rating base rate + additional coverage rate) * multiplicative factor) or designated rate. Report this value in the Preliminary Base Rate (field 46) if it was used to determine the Base Premium Rate that was reported.
Capped Prior Year's Adjusted Continuous Rating Base Premium Rate	Internal	V9(08)	Round to 8 decimal places, including each interim step.	The result of prior year's adjusted continuous rating base rate * prior year's coverage level rate differential * 1.20.
Base Premium Rate	45	V9(08)	Round to 8 decimal places, including each interim step.	The lower of current year's continuous rating base premium rate, capped adjusted yield span base premium rate, capped prior year's adjusted continuous rating base premium rate, or .999.
Premium Rate Discount Factor	Internal	9(01)V9(04)	None	If the option code is BE, then look up the factor from ADM K. This is used only for Biotech at this time.
Standard Deviation	Internal	V9(08)	Round to 8 decimal places	According to CRC Continuous Rating instructions.
Probability Variable T	Internal	V9(08)	Round to 8 decimal places	Standard Deviation/ (Standard Deviation + 0.33267 * (1-Coverage Level Percent))
T Factor	Internal	V9(08)	Round to 8 decimal places	0.4361836 * Probability Variable T - 0.1201676 * Probability Variable T ** 2 + 0.937298 * Probability Variable T ** 3
Exponential Factor	Internal	V9(08)	Round to 8 decimal places	(2.71828183) ** (-0.5 * ((1 - Coverage Level Percent) / Standard Deviation) ** 2)
CRC Base Rate	Internal	V9(08)	Round to 8 decimal places	0.398924228 * Coverage Level Percent * (1 - Base Premium Rate) * Exponential Factor * T Factor
Yield Risk	Internal	9(04)V9(04)	Nearest Dollar & Cents	Calculated Yield Risk.
CRC Low Price Factor	Internal	9(04)V9(04)	None	CRC Low Price Factor on ADM-C.
Revenue Risk	Internal	9(04)V9(04)	Nearest Dollar & Cents	Calculated Revenue Risk.

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Type 11 – Crop Revenue Coverage/Liability/Producer Premium Calculation

Edit Description

Field Name	Field Number	Picture	Rounding	Description
CRC High Price Factor	Internal	9(04)V9(04)	None	CRC High Price Factor on ADM-C.
Price Risk	Internal	9(04)V9(04)	Nearest Dollar & Cents	Calculated Price Risk.
Unit Factor(s)	Internal	9(01)V9(03)	None	The option factor from ADM K for OU and BU, ADM WC for EU. For enterprise the basic unit (BU) factor and enterprise unit (EU) factor (Unit Premium Adjustment Factors) will apply.
Optional Coverage Factor(s)	Internal	9(01)V9(03)	None	If Common Option Codes (Field 49) do not equal spaces, the Option Factor from ADM K. If Common Option Codes are spaces, the Option Coverage Factor(s) = 1.000. Round to 3 decimal places when multiple factors are used to determine this value.
Residual Factor	Internal	9(01)V9(03)	None	The residual factor from ADM2 by coverage level if applicable. If residual factor does NOT apply default to 1.000. For basic (BU) and optional (OU) units the factor will be used as is from the ADM2. For enterprise (EU) unit the factor will be one-half of the ADM2 factor rounded to the third decimal. If the ADM 2 does not have a residual factor to adjust for the enterprise coverage level selected then the adjusted residual factors by coverage level are: 65%=1.000, 70%=1.028, 75%=1.055, 80%=1.083, 85%=1.110.
Premium Rate Surcharge %	Internal	9(01)V9(02)	None	If the Premium Rate Surcharge Flag (Field 52) is Y, the Premium Rate Surcharge % = 0.05. If the Premium Rate Surcharge Flag equals spaces, the Premium Rate Surcharge % = 0.00.
Total Premium	62	9(10)	Nearest Whole Dollar	Unsubsidized CRC Risk Premium.
Multiple Cropping Factor	Internal	V9(02)	None	Factor used to adjust indemnity and prevented planting indemnity (based on flag in field 89) to comply with ARPA legislation on double cropping and prevented planting.

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Type 11 – Crop Revenue Coverage/Liability/Producer Premium Calculation

Edit Description

Field Name	Field Number	Picture	Rounding	Description
Subsidy Factor	Internal	V9(03)	None	Subsidy factor determined using Exhibit 11- 11, page 2.
Subsidy	63	9(10)	Nearest Whole Dollar	Amount of Total Premium that is subsidized.
Producer Premium	68	9(10)	Nearest Whole Dollar	Amount of premium charged to the producer (farmer).

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YIELD REQUIREMENTS/EDITS

Insurance Plans 12, 40, 50, 51 and 73:

None

Insurance Plans 41 and 47:

Yield must match 15 record for approved yield. Yield edits occur in Type 15 record.

Insurance Plan 55:

Yield calculation is FCI-35 yield times Coverage Level Factor less minimum payment.
Yield edit: Yield must be > 0 and ≤ ADM Yield * Coverage Level Factor.

Insurance Plans 42 and 45:

Yield must match Type 15 record for approved yield. Yield edits occur in the Type 15 record. Yield must be > 0 and fall within ADM1 R-Span rate classification.

Insurance Plan 25, 44 and 90:

Yield must match 15 record for approved yield. Yield edits occur in Type 15 record.

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Unit Premium Adjustment Factor

Revenue Assurance

Basic Unit (Unit Option Code = 'BU')
Unit Premium Adjustment Factor = 1.000

Optional Unit (Unit Option Code = 'OU')
Unit Premium Adjustment Factor = 1.100

Enterprise Unit (Unit Option Code = 'EU') & Whole Farm Unit (Unit Option Code = 'WU')
Unit Premium Adjustment Factor = 1.000

CRC, Limited APH crops in Limited States & Flue Cured Tobacco in North Carolina

Enterprise Unit (Unit Option Code = 'EU')
Enterprise Units are offered for CRC, limited APH crops in limited states and Flue Cured Tobacco (0229) in North Carolina (plan code 90)
Unit Premium Adjustment Factors are in the Special Provisions on the ADM.

All Other Crops/Insurance Plans

Unit Premium Adjustment Factor must be = 0.000

Whole Farm Discount Factor

All Unit Organizations (Basic, Optional, Enterprise and Whole Farm) must = 1.000

All Other Crops/Insurance Plans
Whole Farm Discount Factor must be = 0.000

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CODES FOR FCIC APPROVED SUPPLEMENTAL AND REINSURED POLICIES

Supplemental Policy Name	Code
Added Coverage Endorsement	ACE
Added Price Option	APO
Added Price Protection	APP
Added Revenue Option	ARO
Additional Replant Payments	ARP
Added Yield Option	AYO
Area Yield Indemnity	AYI
California Almond Price Enhancement	CAP
California Citrus Fruit	CCF
Citrus Freeze Policy	CF
Cotton Named Peril Excess Rain	CNP
C&P Tomatoes, single peril	CPT
Crop Revenue Coverage 90	CR9
Crop Revenue Coverage POP	CRO
Crop Revenue Coverage Plus	CRP
Dry Beans, single peril	DBS
Dry Beans, single peril	DB1
Forward Price Protection	FPP
GRPPlan Hail, Replant & Prev Planting	GRP
Hail Plus	HP
Harvest Price Option	HPO
Hybrid Seed Corn, Increased Germination	HS1
Hybrid Seed Corn w/freeze date extension	HS2
Increasing Payment	IP
MPCI 90	MP9
Market Price Plus	MPP
Multi Peril Replacement Cost	MPR
Market Value Crop Plus	MVC
Market Value Protection	MVP
Market Value Protection - Wheat	WMV
Market Value Protection - Corn	CMV
Market Value Protection - Grain Sorghum	GMV
Market Value Protection - Cotton	AMV
Protection - Soybeans	SMV
Price Option Plus	POP
Producers Price Policy	PPP
Preferred Revenue Plan	PRP
Precision Yield Plan	PYP
Replacement Coverage	RC
Revenue Coverage Option	RCO
Revenueplus Insurance Policy	RIP
Replant Option	RO
Revenue Price Option	RPO
Replant Value Protection	RVP
Raisin Extra Expense & Reconditioning Cov	REE
Raisin Reconditioning	RR
Raisin Reconditioning	RR1

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CODES FOR FCIC APPROVED SUPPLEMENTAL AND REINSURED POLICIES

Supplemental Policy Name	Code
Raisin Reconditioning & Extra Expense	RR2
Raisin Reconditioning Expense	RR3
Raisin Reconditioning & Extra Expense	RRE
Raisin Reconditioning Policy for Packers	RRP
Sugar Beet Replant Supplemental Coverage	SB1
Sugar Beet Replant Payment	SB2
Sugar Beet Replant Payment	SB3
Sugar Beet Replant Buy-up	SB4
Sugar Beet Revenue Policy	SBR
Tomatoes, C&P	TCP
Top Dollar Named Peril	TDN
Fresh Market Tomatoes	TFM
Tomato Excess Moisture	TEM
Tomato Named Peril	TNP
Total Loss Coverage	TLC
Value Added Option	VAO
Valueplus Insurance Policy	VIP
Xtra & Harvest Price Option	XHP
Xtra Price Option	XPO

Updated 05/01/01

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