









Actual Pr	oduction Histo	ory for our sam	ple farm:
	year	yield	
	2004/05	60	
	2005/06	60	
	2006/07	75	
	2007/08	65	
	2008/09	60	
	2009/10	75	
	2010/11	60	
	2011/12	60	
	2012/13	60	
	2013/14	75	
	Average APH	(65)	
Different for each farm, but kn	own at the time the exan	nple is computed.	DEPARTMENT OF AGRICULTURAL AND RESOURCE ECONOMICS

				Higher of
voor	Actual viold	Tiviald	70% of t viold	Actual yield o
		r-yieiu		10% 01 t-yield
2009/10	47.9	63	44.1	47.9
2010/11	73.5	63	44.1	73.5
2011/12	67.5	63	44.1	67.5
2012/13	72.1	63	44.1	72.1
2013/14	74	69	48.3	74
Olympic				
average				
county yield				(71.03)







	Price	History:						
	Actual national	PLC reference	Higher of last two					
year	MYA price	price	columns					
2009/10	4.87	5.5	5.5					
2010/11	5.38	5.5	5.5					
2011/12	7.24	5.5	7.24					
2012/13	7.77	5.5	7.77					
2013/14	6.87	5.5	6.87					
Olympic average price for county ARC			6.54					
ARC 0.34 back to list of prices. To PLC calculations.								
Different for each county, b is computed. Actual yields 2013/14 yield reflects the ex	ut known (except for 2013 Northumberland Co. VA, a «pected growth in national	/14) at the time the examp re from NASS website. Th yield shown in the August	DEPARTMENT OF AGRICULTURAL AND					







Review of all assumptions

- Things which are known to a considerable degree:
 - Olympic average County Yield Average 71.03
 - "expected" county yield for SCO <u>74</u>
 - Olympic average County-ARC price: <u>\$6.54</u>
 - Base revenue insurance price: \$6.00
 - PLC reference price: \$5.50
- Characteristics of our imaginary "sample" farm, things known from that farm's past:
 - AYH average yield: 65
 - Program yield: 61.25
 - Base wheat acres: 150
 - Actual wheat acres: 200

















	Market income	Insurance Indemnity	Program payment	SCO Indemnity	Total
County ARC + 75% rev. insur	58,300	1,300	5,922	0	65,522
PLC + rev. insurance	58,300	1,300	3,905	0	63,505
PLC + rev. ins. + SCO	58,300	1,300	3,905	7702	71,207

SCO premiu	ms are n	nore heavi	ly subsidi	zed.	
	Market income	Insurance Indemnity	Program payment	SCO Indemnity	Total
PLC+75% rev. ins. + SCO	58,300	1,300	3,905	8,768	72,273
PLC+60% rev. ins. + SCO	58,300	0	3,905	8,995	71,200
PLC+85% rev. ins.	58,300	9,100	3,905	0	72,195

CROP INSURANCE PREMIUM SUBSIDIES Farm Level Policies										
Coverage level %	CAT	50	55	60	65	70	75	80	85	90
Basic & Optional units	100	67	64	64	59	59	55	48	38	NA
Enterprise units		80	80	80	80	80	77	68	53	NA
Whole Farm units					80	80	80	71	56	NA
County Level Policie	s									
Coverage level %						70	75	80	85	90
Area Yield Insurance (AYP)						59	59	55	55	51
Area Revenue Insurance (ARP)						59	55	55	49	44

What if county yields stay high while farm yields are low?

Individual farm yields are 40, but county yields are 75. Because county yields are high SCO payments are low. Because individual farm yields are low, revenue insurance indemnities are high.

	Market income	Insurance Indemnity	Program payment	SCO Indemnity	Total
PLC+75% rev. ins. + SCO	42,400	16,900	3,905	0	63,205
PLC+60% rev. ins. + SCO	42,400	5,200	3,905	0	51,505
PLC+85% rev. ins.	42,400	24,700	3,905	0	71,005

What if county yields are low while farm yields are high?

Individual farm yields are 60, but county yields are 55. Because county yields are low SCO payments are high. Because individual farm yields are high, revenue insurance indemnities are low.

	Market income	Insurance Indemnity	Program payment	SCO Indemnity	Total
PLC+75% rev. ins. + SCO	63,600	0	3,905	8,580	76,085
PLC+60% rev. ins. + SCO	63,600	0	3,905	16,837	84,342
PLC+85% rev. ins.	63,600	3,900	3,905	0	71,405
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