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2014 ARC-CO Payments: Release of 2014 County Yields

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November 10, 2015

farmdoc daily (5):209

Recommended citation format: Schnitkey, G., J. Coppess, N. Paulson, and C. Zulauf. "2014 ARC-CO Payments: Release of 2014 County Yields." *farmdoc daily* (5):209, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, November 10, 2015.

Permalink: http://farmdocdaily.illinois.edu/2015/11/2014-arc-co-payments-release-county-yields.html

The Farm Service Agency has released 2014 county yields thereby providing the final item needed to calculate 2014 Agricultural Risk Coverage – County Option (ARC-CO) payments. This article provides an overview and U.S. map of these payments for corn, soybeans, and wheat.

2014 ARC-CO Payments

Specific levels of ARC-CO payments can be obtained from a FAST spreadsheet entitled the *ARC-CO PLC Payment Estimator*. This spreadsheet is available for download from the FAST section of *farmdoc* (click here for download). By using this worksheet, an individuals can select a specific state, county, and crop combination (see Figure 1). The tool will then give the 2014 ARC-CO payment, as well as estimates of 2015 through 2018 payments. Users can change 2015 through 2018 estimates by changing county yields and Market Year Average (MYA) prices.

The example in Figure 1 is for corn in DeKalb County, Illinois. The 2014 county yield computed by FSA for DeKalb County is 194 bushels per acre, as reported on the 2014 line of the *Payment Estimator*. This yield, along with a MYA price of \$3.70 results in an ARC-CO payment of \$62.07 per base acre. If a farm has 100 base acres in corn, total payment would be \$6,207 (\$62.07 x 100 base acres). The \$62.07 per acre reflects a 6.8% reduction in program payments due to Federal legislation requiring sequester if certain budgetary requirement had not been met.

Yields for some county and crop combinations have not been released. Yields in this spreadsheet will be updated as those yields are released. FSA will release these yields here.

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Figure1. ARC-CO PLC Payment Estimator fdd Input Use Defaults Illinois State County DeKalb Help Crop Corn Туре All Print PLC Payment Yield 145 Powered by Watts and Associates, Inc.

What-If

Change the county yields and Market Year Average (MYA) prices for 2014 and 2018 to see payments under ARC-County and PLC. Payments are stated per base acre, as such they are multiplied by .85. If there are 100 base acres per farm, multiple the result below by 100.

Input		Agricultural Risk Coverage (ARC) - County				Price Loss Coverage (PLC	
	County	MYA	Benc	hmark	ARC	ARC	
Year	Yield	Price1	Yield ²	Price ³	Guarantee ⁴	Payment⁵	Payment [€]
2009	161	3.55					
2010	180	5.18					
2011	184	6.22					
2012	159	6.89					
2013	193	4.46				\$/acre	\$/acre
2014	194	3.70	175	5.29	796	62.07	0
2015	196	3.80	186	5.29	846	83.63	0
2016	198	3.80	190	4.83	789	31.30	0
2017	200	4.00	194	4.02	671	0.00	0
2018	202	4.00	196	3.87	652	0.00	0
				Five	-Year Average	35.40	0
	724	n rate equals:	1.95	Five	0	35.40 price equals:	-
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Maps of 2014 ARC-CO Payments

Figure 2 shows a map giving ARC-CO payments for all counties in the United States where 2014 county yield data exists. For counties with both irrigated and non-irrigated time series, the payment for the irrigated series is shown in the maps. As can be seen, ARC-CO payment above \$45 per acre occur in many counties in Nebraska, Minnesota, Iowa, Wisconsin, and Ohio. These areas typically had average to below average yields in 2014. Other areas such as southern Iowa, Missouri, central and southern Illinois, and southern

Indiana did not have payments. These areas had exceptionally good yields in 2014 relative to the Olympic average of yields for 2009-2013.

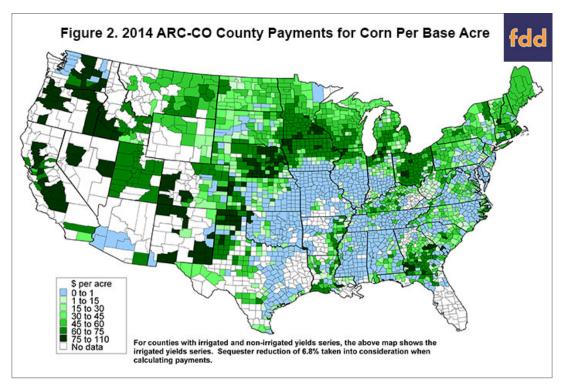


Figure 3 shows ARC-CO payments for soybeans. Many fewer counties had soybean payments than did corn payments, primarily because crop year average for 2014 was not as far below the Olympic average for 2009-2013 as for corn. A concentration of counties received soybean payments in Nebraska, Iowa, Minnesota, Wisconsin, Michigan, Ohio, Pennsylvania, and New York.

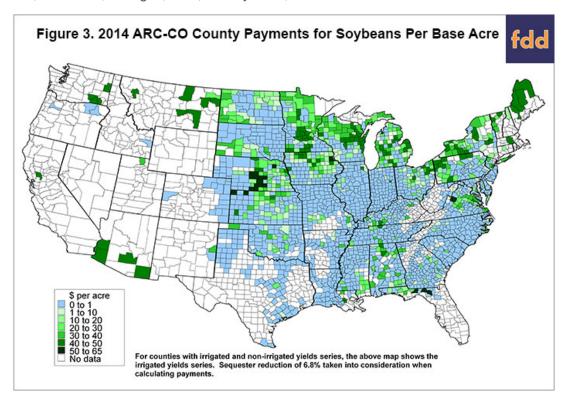
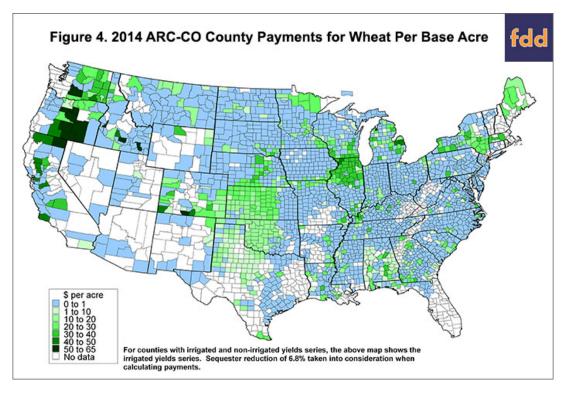


Figure 4 shows ARC-CO payments for wheat. Wheat payments occurred in Kansas, Oklahoma, and Texas. Payments also occurred in Washington and Oregon. There were payments calculated for wheat in Illinois; however, there are few bases acres of wheat in Illinois.



Summary Thoughts

A couple of notes on 2014 payments and their lessons for ARC-CO payments in 2015:

- 1. Payments on ARC-CO vary greatly across counties, as is illustrated in the above maps. Since ARC-CO considers county yields in its calculations, payments will vary by county. Payments in 2015 also will vary across counties depending on county yields.
- 2. Yield can vary greatly in adjacent counties, reflecting that local agro-climate conditions can vary notably across areas that are geographically close.
- 3. How yields will vary across counties in 2015 is difficult to determine at this point. Release of county yields by National Agricultural Statistical Service (NASS) in February will aid in locating areas where yield differences will occur. However, NASS yield are not the same as the yields used by FSA. Hence, differences will not be known for certain until FSA releases 2015 county yields, approximately this time next year.

References

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