



DIVISION OF AGRICULTURE

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2010 Geographical Distribution of Arkansas Farm Receipts

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Table of Contents

Section	Page
Introduction	1
Total Cash Receipts	1
Cash Receipts from Livestock and Products	4
Cash Receipts from Crops	7
Summary	10
References	11
Appendix 1	12
Appendix 2	13
Appendix 3	14
Appendix 4	15
Appendix 5	16
Appendix 6	17
Appendix 7	18

2010 Geographical Distribution of Arkansas Farm Receipts

Agricultural production consisting of crops and livestock is distributed throughout all regions of Arkansas. Varying attributes of soil, terrain, and climate lead to specialization in commodities for which regions are most suited for profitable production. The objective of this report is to present county cash receipts from crop and livestock commodities in order to identify the regional specialization of Arkansas production.

The Bureau of Economic Analysis (BEA) reports cash receipts from marketings of crops, livestock, and livestock products for U.S. states and counties. The National Agricultural Statistics Service (NASS) of USDA produces state estimates of cash receipts from marketing of crop and livestock commodities. BEA applies NASS annual county estimates and county cash receipts from the Census of Agriculture to allocate state commodity marketings at the county level (USDC-BEA, 2012b).

Total Cash Receipts

In 2010, total Arkansas cash receipts from crops, livestock, and livestock products were \$8.014 billion. Arkansas cash receipts from livestock and products were \$4.763 billion, or 59% of the state total. Cash receipts from crops were \$3.253 billion (41%) (USDC-BEA, 2012a). Appendix 1 presents total cash receipts for all counties. Appendix 2 presents total cash receipts sorted by county rankings. The top five counties were Benton (\$429 million), Washington (\$419 million), Carroll (\$262 million), Mississippi (\$224 million), and Phillips (\$201 million). These five counties accounted for 19% of total state cash receipts. Appendix 7 presents a map of Arkansas counties (University of Arkansas-Division of Agriculture, 2012). Figure 1 presents the county distribution of total cash receipts, and Figure 2 presents the top five counties.

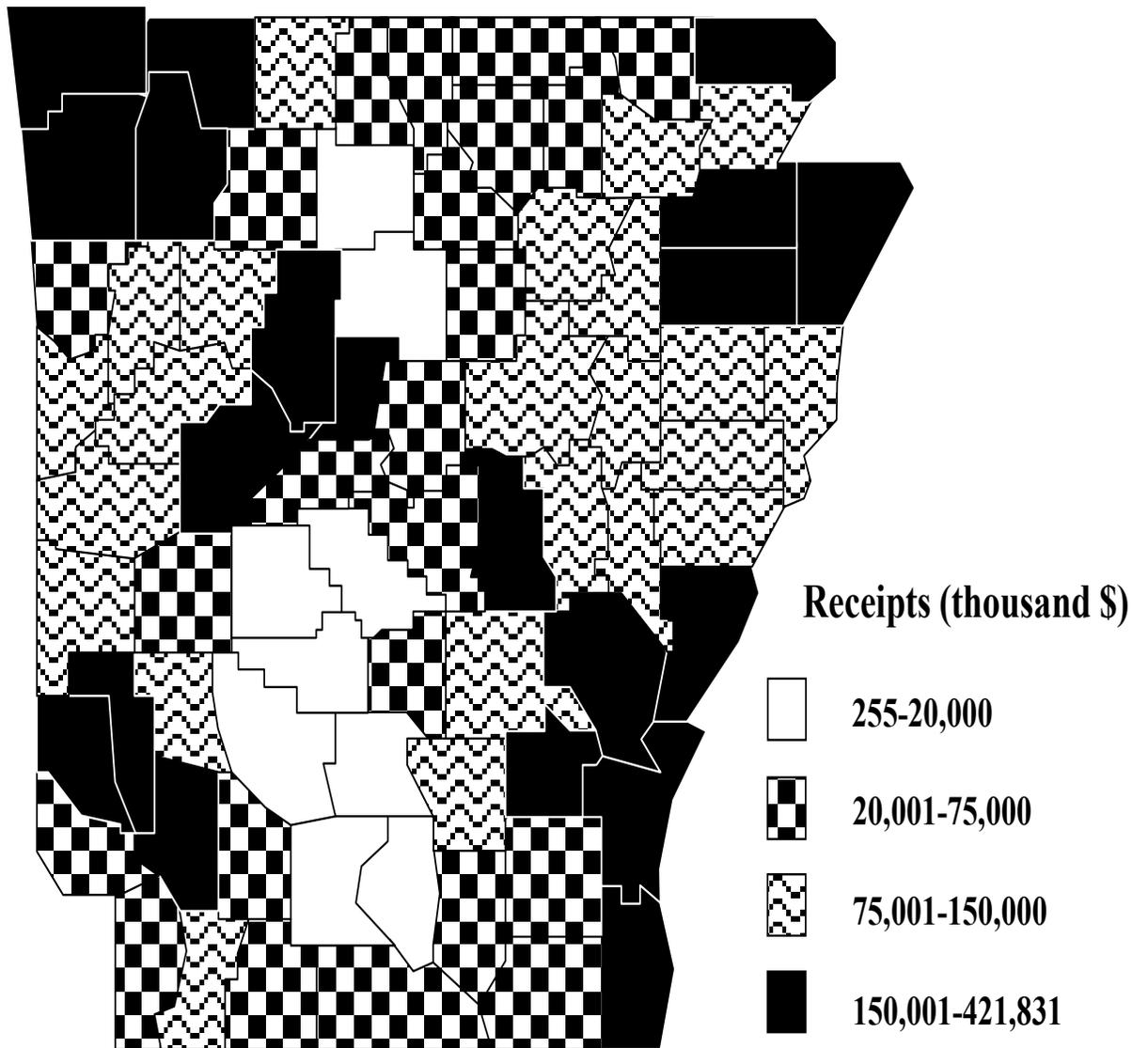


Figure 1. Total Receipts from Crops, Livestock, and Livestock Products, Arkansas Counties, 2010 (Source: USDC- BEA, 2012a)

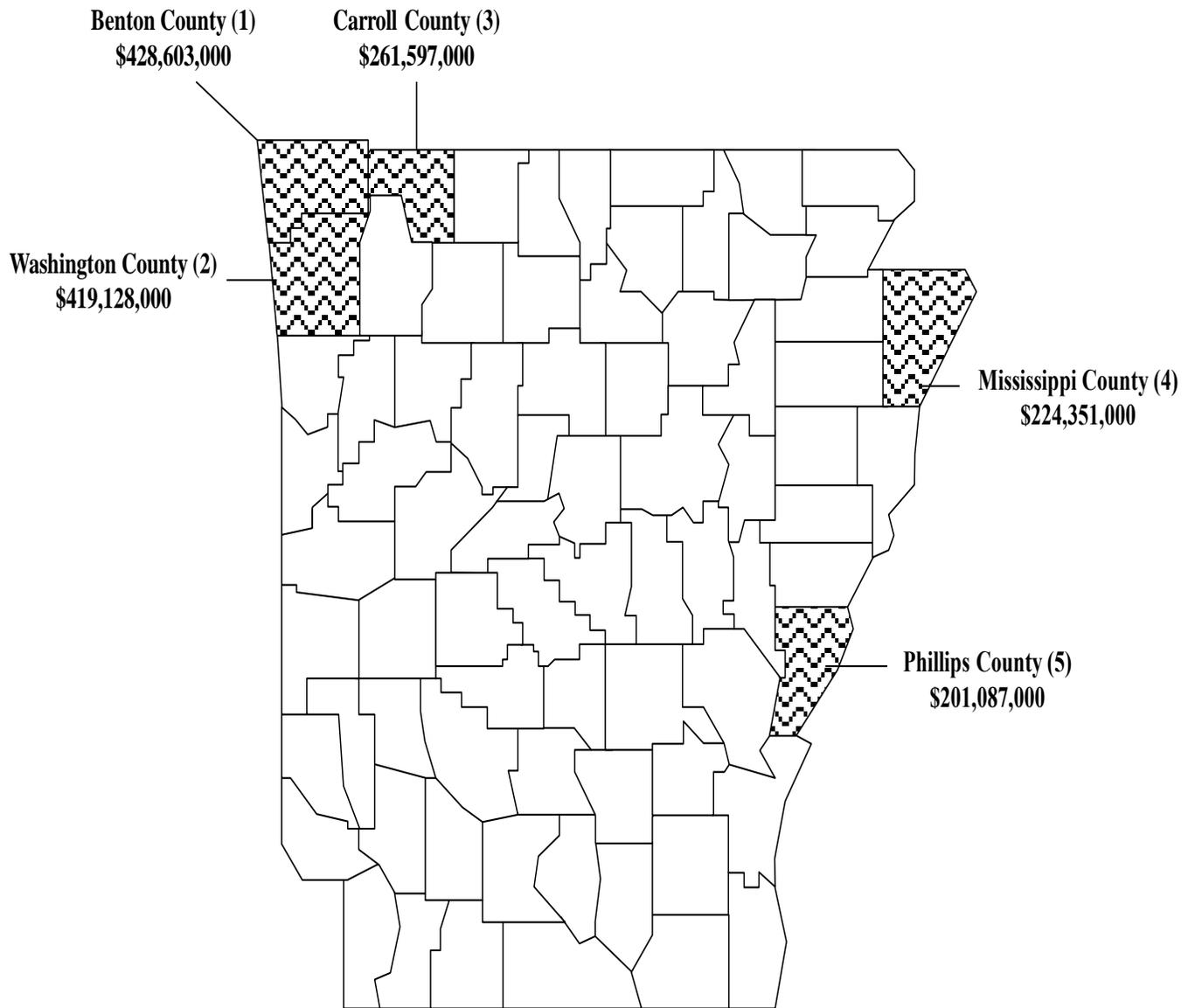


Figure 2. Top Five Counties, Total Receipts from Crops, Livestock, and Livestock Products, Arkansas Counties, 2010 (USDC-BEA, 2012a)

Cash Receipts from Livestock and Products

In 2010, cash receipts from livestock and products were \$4.763 billion (USDC-BEA, 2012a). Poultry and egg production was the largest component, earning 81% of the livestock and products total. Cattle, calves, and hog production composed 16% the livestock and products total (USDA-NASS, 2012).

Appendix 3 presents livestock and products cash receipts for all counties. Appendix 4 presents livestock and products cash receipts sorted by county rankings. The top five grossing counties were Benton (\$422 million), Washington (\$412 million), Carroll (\$259 million), Howard (\$199 million), and Hempstead (\$165 million). These five counties combined to account for 31% of cash receipts from livestock and products. Figure 3 presents the county distribution of cash receipts from livestock and products, and Figure 4 presents the top five counties. Counties with the greatest livestock and products cash receipts are located in western Arkansas.

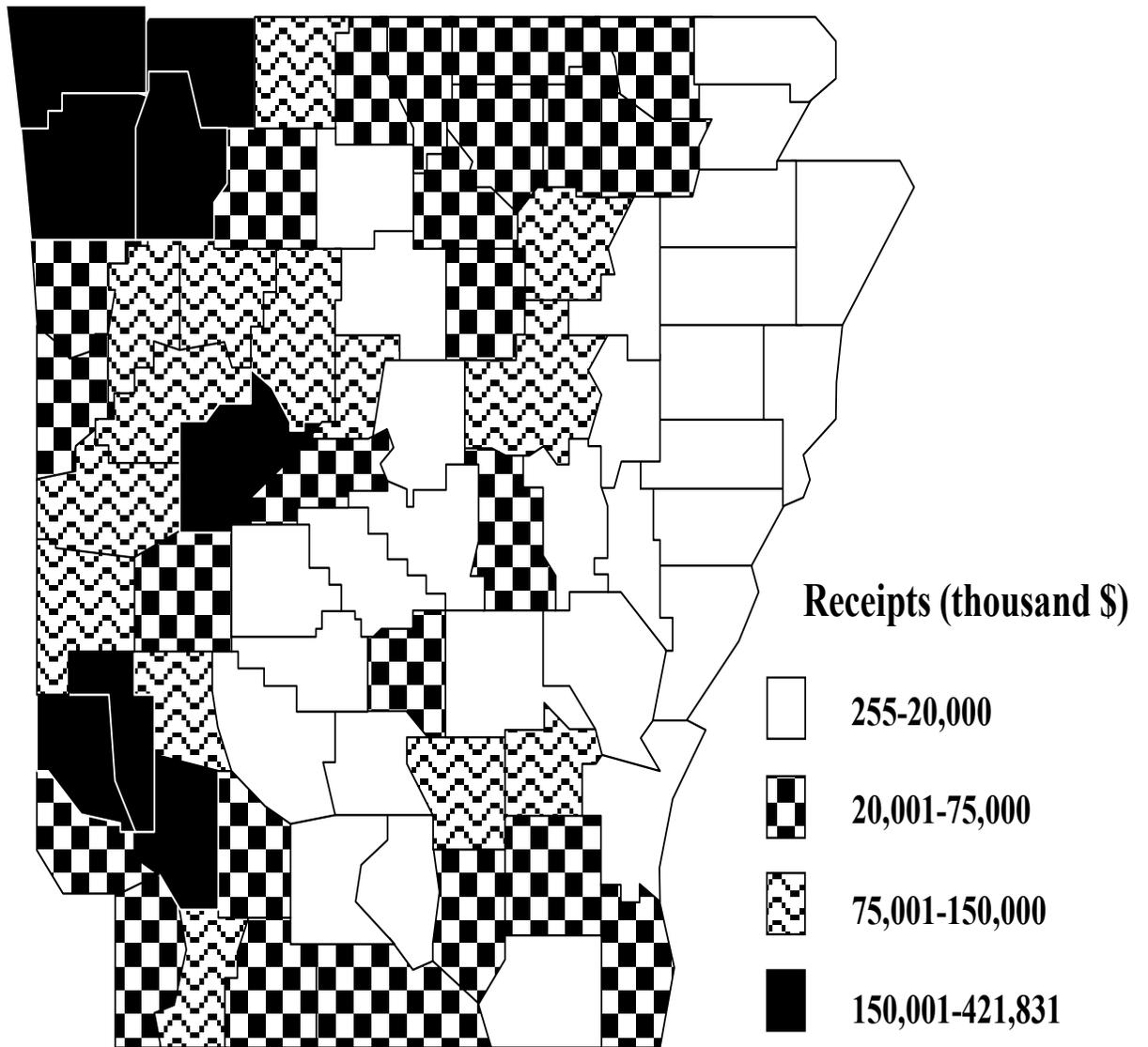


Figure 3. Receipts from Livestock and Products, Arkansas Counties, 2010
 (Source: USDC –BEA, 2012a)

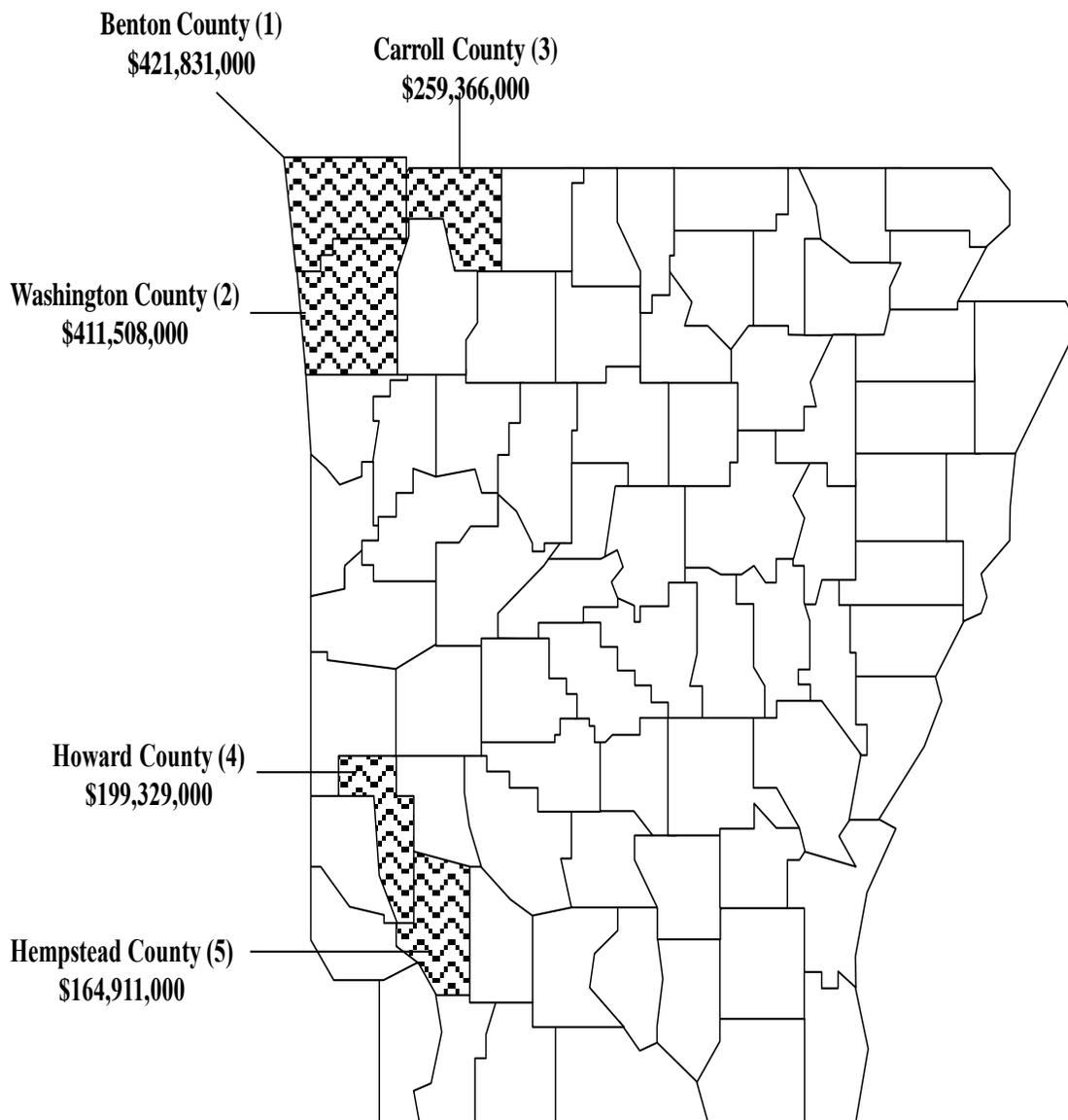


Figure 4. Top Five Counties, Receipts from Livestock and Products, Arkansas Counties, 2010 (Source: USDC-BEA, 2012a)

Cash Receipts from Crops

In 2010, cash receipts from crops were \$3.253 billion (USDC-BEA, 2012a). Rice was the largest component, earning 38% of the crop cash receipts total. Soybeans were the second largest component, with 36% of crop cash receipts. Cotton earned 13%, while corn had 7% of crop cash receipts (USDA-NASS, 2012).

Appendix 5 presents crop cash receipts for all counties. Appendix 6 presents crop cash receipts sorted by county rankings. The top five grossing counties in this category were Mississippi (\$224 million), Phillips (\$200 million), Arkansas (\$189 million), Craighead (\$177 million), and Desha (\$166 million). These five counties account for 29% of cash receipts from crops. Figure 5 presents county distribution of cash receipts from crops, and Figure 6 presents the top five counties. Figure 5 indicates that crop production is concentrated in eastern Arkansas.

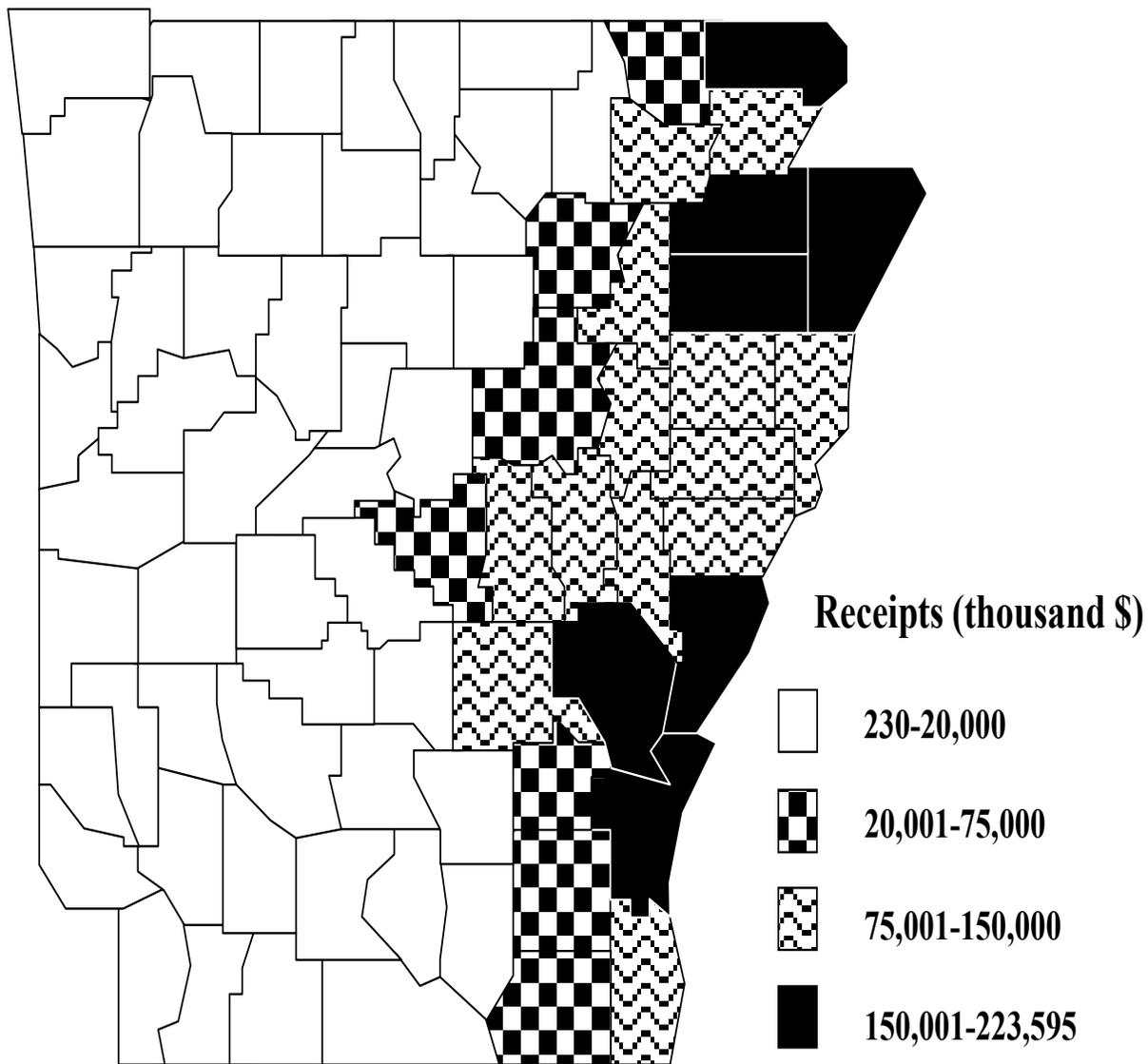


Figure 5. Receipts from Crops, Arkansas Counties, 2010 (Source: USDC-BEA, 2012a)

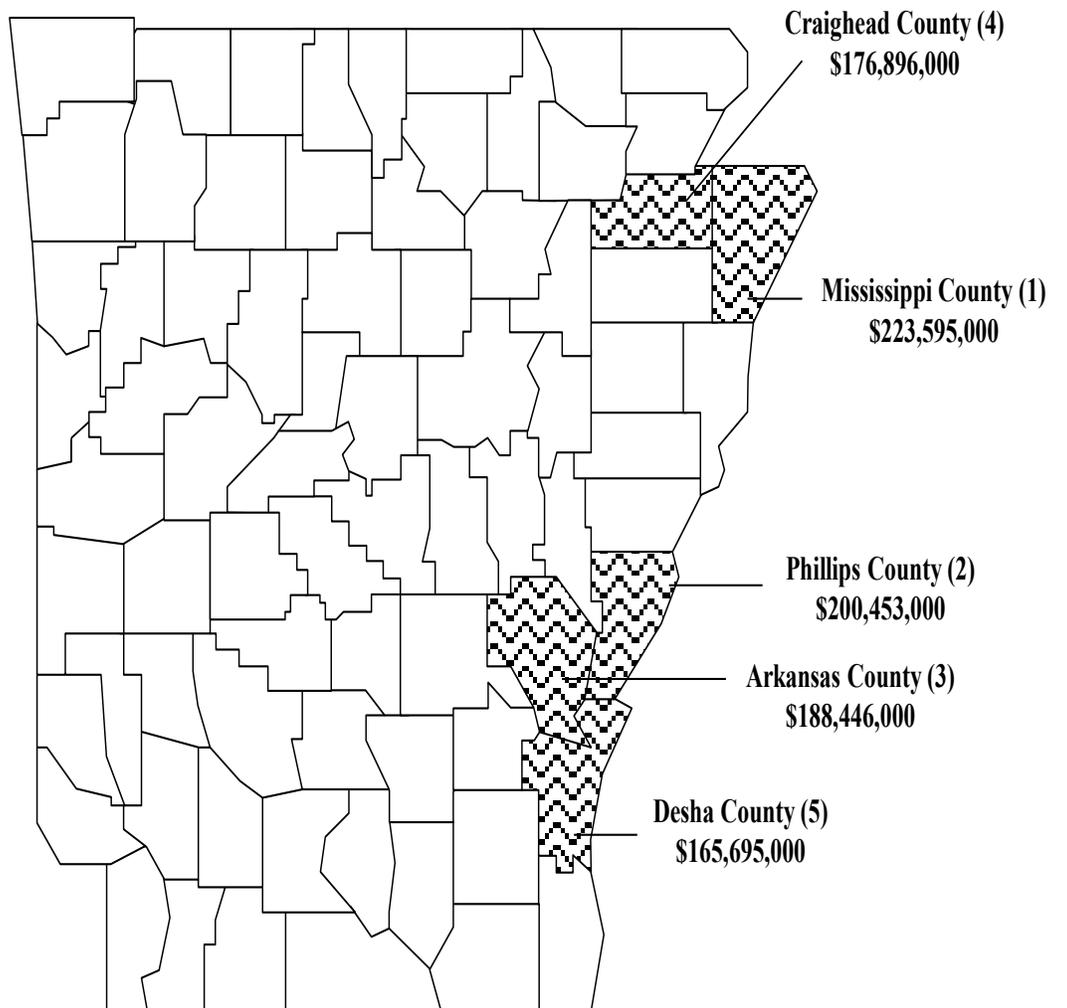


Figure 6. Top Five Counties, Receipts from Crops, Arkansas Counties, 2010
 (Source: USDC-BEA 2012a)

Summary

In 2010, total cash receipts from crops, livestock, and livestock products were \$8.014 billion. Cash receipts from livestock and products were \$4.763 billion which is 59% of the state total. Cash receipts from crops were \$3.253 billion, or 41% of the state total. Livestock and products are concentrated in the western part of Arkansas, particularly the northwestern part of the state. Crops are concentrated in the eastern part of Arkansas.

References

- Communications Department-Cooperative Extension Service. *Arkansas Map with County Outlines*. Little Rock, AR: University of Arkansas-Division of Agriculture/Research & Extension, 2012
- U.S. Department of Agriculture-National Agricultural Statistics Service. *Arkansas Cash Receipts from Marketings by Commodity*. Washington, DC: Economic Research Service/USDA, 2011.
- U.S. Department of Agriculture-National Agricultural Statistics Service. *Crop Values, 2011 Summary*. Washington, DC: Agricultural Statistics Board, 2011.
- U.S. Department of Commerce-Bureau of Economic Analysis. Internet Site: <http://www.USDC-BEA.gov/iTable/iTable.cfm?ReqID=70&step=1&isuri=1&acrdrn=5> (Accessed August 16, 2012).
- U.S. Department of Commerce-Bureau of Economic Analysis. *Local Area Personal Income and Employment Methodology*. Washington, DC: U.S. Department of Commerce-Bureau of Economic Analysis, 2012.

Appendix

Appendix 1. Total Cash Receipts from Marketings of Crops, Livestock, and Livestock Products, Arkansas Counties, 2010 (Alphabetical)

County	\$1,000	County	\$1,000
Arkansas	188,984	Lee	140,135
Ashley	67,324	Lincoln	185,042
Baxter	21,137	Little River	67,326
Benton	428,603	Logan	141,373
Boone	123,333	Lonoke	161,700
Bradley	29,001	Madison	160,363
Calhoun	3,131	Marion	36,118
Carroll	261,597	Miller	42,654
Chicot	151,510	Mississippi	224,351
Clark	18,293	Monroe	113,931
Clay	163,096	Montgomery	52,065
Cleburne	59,530	Nevada	47,988
Cleveland	142,432	Newton	21,149
Columbia	43,995	Ouachita	16,751
Conway	150,068	Perry	34,427
Craighead	183,643	Phillips	201,087
Crawford	59,094	Pike	123,687
Crittenden	121,067	Poinsett	154,065
Cross	119,764	Polk	140,310
Dallas	1,692	Pope	152,773
Desha	168,577	Prairie	118,937
Drew	61,350	Pulaski	33,153
Faulkner	22,016	Randolph	68,082
Franklin	115,781	St. Francis	113,075
Fulton	34,962	Saline	5,507
Garland	14,024	Scott	109,793
Grant	26,443	Searcy	15,304
Greene	135,499	Sebastian	75,987
Hempstead	169,537	Sevier	151,729
Hot Spring	17,260	Sharp	63,625
Howard	201,046	Stone	50,555
Independence	143,159	Union	72,551
Izard	43,883	Van Buren	17,921
Jackson	112,867	Washington	419,128
Jefferson	147,959	White	126,987
Johnson	141,884	Woodruff	97,349
Lafayette	93,634	Yell	163,432
Lawrence	106,161	State	8,013,746

Appendix 2. Total Cash Receipts from Marketings of Crops, Livestock, and Livestock Products, Arkansas Counties, 2010 (Smallest to Largest)

County	\$1,000	County	\$1,000
Dallas	1,692	St. Francis	113,075
Calhoun	3,131	Monroe	113,931
Saline	5,507	Franklin	115,781
Garland	14,024	Prairie	118,937
Searcy	15,304	Cross	119,764
Ouachita	16,751	Crittenden	121,067
Hot Spring	17,260	Boone	123,333
Van Buren	17,921	Pike	123,687
Clark	18,293	White	126,987
Baxter	21,137	Greene	135,499
Newton	21,149	Lee	140,135
Faulkner	22,016	Polk	140,310
Grant	26,443	Logan	141,373
Bradley	29,001	Johnson	141,884
Pulaski	33,153	Cleveland	142,432
Perry	34,427	Independence	143,159
Fulton	34,962	Jefferson	147,959
Marion	36,118	Conway	150,068
Miller	42,654	Chicot	151,510
Izard	43,883	Sevier	151,729
Columbia	43,995	Pope	152,773
Nevada	47,988	Poinsett	154,065
Stone	50,555	Madison	160,363
Montgomery	52,065	Lonoke	161,700
Crawford	59,094	Clay	163,096
Cleburne	59,530	Yell	163,432
Drew	61,350	Desha	168,577
Sharp	63,625	Hempstead	169,537
Ashley	67,324	Craighead	183,643
Little River	67,326	Lincoln	185,042
Randolph	68,082	Arkansas	188,984
Union	72,551	Howard	201,046
Sebastian	75,987	Phillips	201,087
Lafayette	93,634	Mississippi	224,351
Woodruff	97,349	Carroll	261,597
Lawrence	106,161	Washington	419,128
Scott	109,793	Benton	428,603
Jackson	112,867	State	8,013,746

Appendix 3. Total Receipts from Marketings of Livestock and Products, Arkansas Counties, 2010 (Alphabetical)

County	\$1,000	County	\$1,000
Arkansas	538	Lee	1,402
Ashley	7,531	Lincoln	111,095
Baxter	20,447	Little River	59,692
Benton	421,831	Logan	137,176
Boone	121,365	Lonoke	29,713
Bradley	25,541	Madison	157,717
Calhoun	2,128	Marion	35,404
Carroll	259,366	Miller	29,904
Chicot	33,199	Mississippi	756
Clark	15,976	Monroe	2,613
Clay	2,987	Montgomery	50,950
Cleburne	57,902	Nevada	46,725
Cleveland	142,065	Newton	20,233
Columbia	35,210	Ouachita	15,316
Conway	138,373	Perry	27,845
Craighead	6,747	Phillips	634
Crawford	50,081	Pike	122,933
Crittenden	255	Poinsett	663
Cross	1,138	Polk	138,605
Dallas	1,462	Pope	147,828
Desha	2,882	Prairie	5,476
Drew	20,461	Pulaski	9,444
Faulkner	15,385	Randolph	24,986
Franklin	112,050	St. Francis	2,067
Fulton	34,322	Saline	2,844
Garland	11,929	Scott	108,346
Grant	25,501	Searcy	14,583
Greene	8,564	Sebastian	69,135
Hempstead	164,911	Sevier	150,855
Hot Spring	15,777	Sharp	62,824
Howard	199,329	Stone	49,564
Independence	116,777	Union	71,662
Izard	42,728	Van Buren	16,648
Jackson	5,696	Washington	411,508
Jefferson	17,773	White	89,320
Johnson	137,772	Woodruff	2,035
Lafayette	75,691	Yell	157,836
Lawrence	25,092	State	4,763,119

Appendix 4. Appendix 3. Total Receipts from Marketings of Livestock and Products, Arkansas Counties, 2010 (Smallest to Largest)

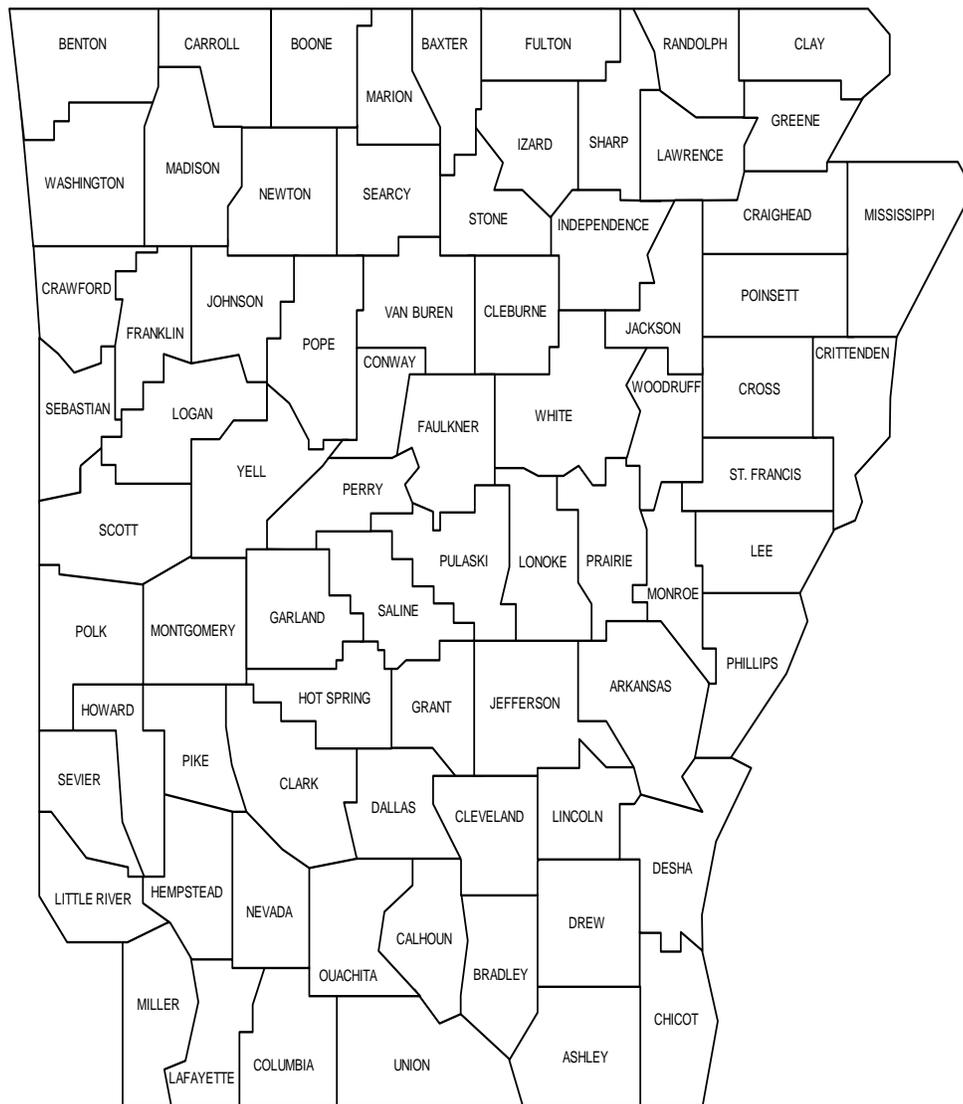
County	\$1,000	County	\$1,000
Crittenden	255	Miller	29,904
Arkansas	538	Chicot	33,199
Phillips	634	Fulton	34,322
Poinsett	663	Columbia	35,210
Mississippi	756	Marion	35,404
Cross	1,138	Izard	42,728
Lee	1,402	Nevada	46,725
Dallas	1,462	Stone	49,564
Woodruff	2,035	Crawford	50,081
St. Francis	2,067	Montgomery	50,950
Calhoun	2,128	Cleburne	57,902
Monroe	2,613	Little River	59,692
Saline	2,844	Sharp	62,824
Desha	2,882	Sebastian	69,135
Clay	2,987	Union	71,662
Prairie	5,476	Lafayette	75,691
Jackson	5,696	White	89,320
Craighead	6,747	Scott	108,346
Ashley	7,531	Lincoln	111,095
Greene	8,564	Franklin	112,050
Pulaski	9,444	Independence	116,777
Garland	11,929	Boone	121,365
Searcy	14,583	Pike	122,933
Ouachita	15,316	Logan	137,176
Faulkner	15,385	Johnson	137,772
Hot Spring	15,777	Conway	138,373
Clark	15,976	Polk	138,605
Van Buren	16,648	Cleveland	142,065
Jefferson	17,773	Pope	147,828
Newton	20,233	Sevier	150,855
Baxter	20,447	Madison	157,717
Drew	20,461	Yell	157,836
Randolph	24,986	Hempstead	164,911
Lawrence	25,092	Howard	199,329
Grant	25,501	Carroll	259,366
Bradley	25,541	Washington	411,508
Perry	27,845	Benton	421,831
Lonoke	29,713	State	4,763,119

Appendix 5. Total Receipts from Marketings of Crops, Arkansas Counties, 2010
(Alphabetical)

County	\$1,000	County	\$1,000
Arkansas	188,446	Lee	\$138,733
Ashley	59,793	Lincoln	73,947
Baxter	690	Little River	7,634
Benton	6,772	Logan	4,197
Boone	1,968	Lonoke	131,987
Bradley	3,460	Madison	2,646
Calhoun	1,003	Marion	714
Carroll	2,231	Miller	12,750
Chicot	118,311	Mississippi	223,595
Clark	2,317	Monroe	111,318
Clay	160,109	Montgomery	1,115
Cleburne	1,628	Nevada	1,263
Cleveland	367	Newton	916
Columbia	8,785	Ouachita	1,435
Conway	11,695	Perry	6,582
Craighead	176,896	Phillips	200,453
Crawford	9,013	Pike	754
Crittenden	120,812	Poinsett	153,402
Cross	118,626	Polk	1,705
Dallas	230	Pope	4,945
Desha	165,695	Prairie	113,461
Drew	40,889	Pulaski	23,709
Faulkner	6,631	Randolph	43,096
Franklin	3,731	St. Francis	111,008
Fulton	640	Saline	2,663
Garland	2,095	Scott	1,447
Grant	942	Searcy	721
Greene	126,935	Sebastian	6,852
Hempstead	4,626	Sevier	874
Hot Spring	1,483	Sharp	801
Howard	1,717	Stone	991
Independence	26,382	Union	889
Izard	1,155	Van Buren	1,273
Jackson	107,171	Washington	7,620
Jefferson	130,186	White	37,667
Johnson	4,112	Woodruff	95,314
Lafayette	17,943	Yell	5,596
Lawrence	81,069	State	3,252,627

Appendix 6. Total Receipts from Marketings of Crops, Arkansas Counties, 2010 (Smallest to Largest)

County	\$1,000	County	\$1,000
Dallas	230	Faulkner	6,631
Cleveland	367	Benton	6,772
Fulton	640	Sebastian	6,852
Baxter	690	Washington	7,620
Marion	714	Little River	7,634
Searcy	721	Columbia	8,785
Pike	754	Crawford	9,013
Sharp	801	Conway	11,695
Sevier	874	Miller	12,750
Union	889	Lafayette	17,943
Newton	916	Pulaski	23,709
Grant	942	Independence	26,382
Stone	991	White	37,667
Calhoun	1,003	Drew	40,889
Montgomery	1,115	Randolph	43,096
Izard	1,155	Ashley	59,793
Nevada	1,263	Lincoln	73,947
Van Buren	1,273	Lawrence	81,069
Ouachita	1,435	Woodruff	95,314
Scott	1,447	Jackson	107,171
Hot Spring	1,483	St. Francis	111,008
Cleburne	1,628	Monroe	111,318
Polk	1,705	Prairie	113,461
Howard	1,717	Chicot	118,311
Boone	1,968	Cross	118,626
Garland	2,095	Crittenden	120,812
Carroll	2,231	Greene	126,935
Clark	2,317	Jefferson	130,186
Madison	2,646	Lonoke	131,987
Saline	2,663	Lee	138,733
Bradley	3,460	Poinsett	153,402
Franklin	3,731	Clay	160,109
Johnson	4,112	Desha	165,695
Logan	4,197	Craighead	176,896
Hempstead	4,626	Arkansas	188,446
Pope	4,945	Phillips	200,453
Yell	5,596	Mississippi	223,595
Perry	6,582	State	3,252,627



Appendix 7. Arkansas County Map (Source: University of Arkansas-Division of Agriculture/Research & Extension, 2012)