



DIVISION OF AGRICULTURE

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2011 Geographical Distribution of Arkansas Farm Receipts

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2011 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, 2013b).

Total Cash Receipts

In 2011, total Arkansas cash receipts from crops, livestock, and livestock products were \$8.699 billion. Arkansas cash receipts from livestock and products were \$4.826 billion, or 55.5% of the state total. Cash receipts from crops were \$3.873 billion, or 45.5% of the state total (USDC-BEA, 2013a).

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 (\$435 million), Washington (\$425 million), Mississippi (\$272 million), Carol (\$265 million), and Phillips (\$246 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, 2013). Figure 1 presents the county distribution of total cash receipts, and Figure 2 presents the top five counties.

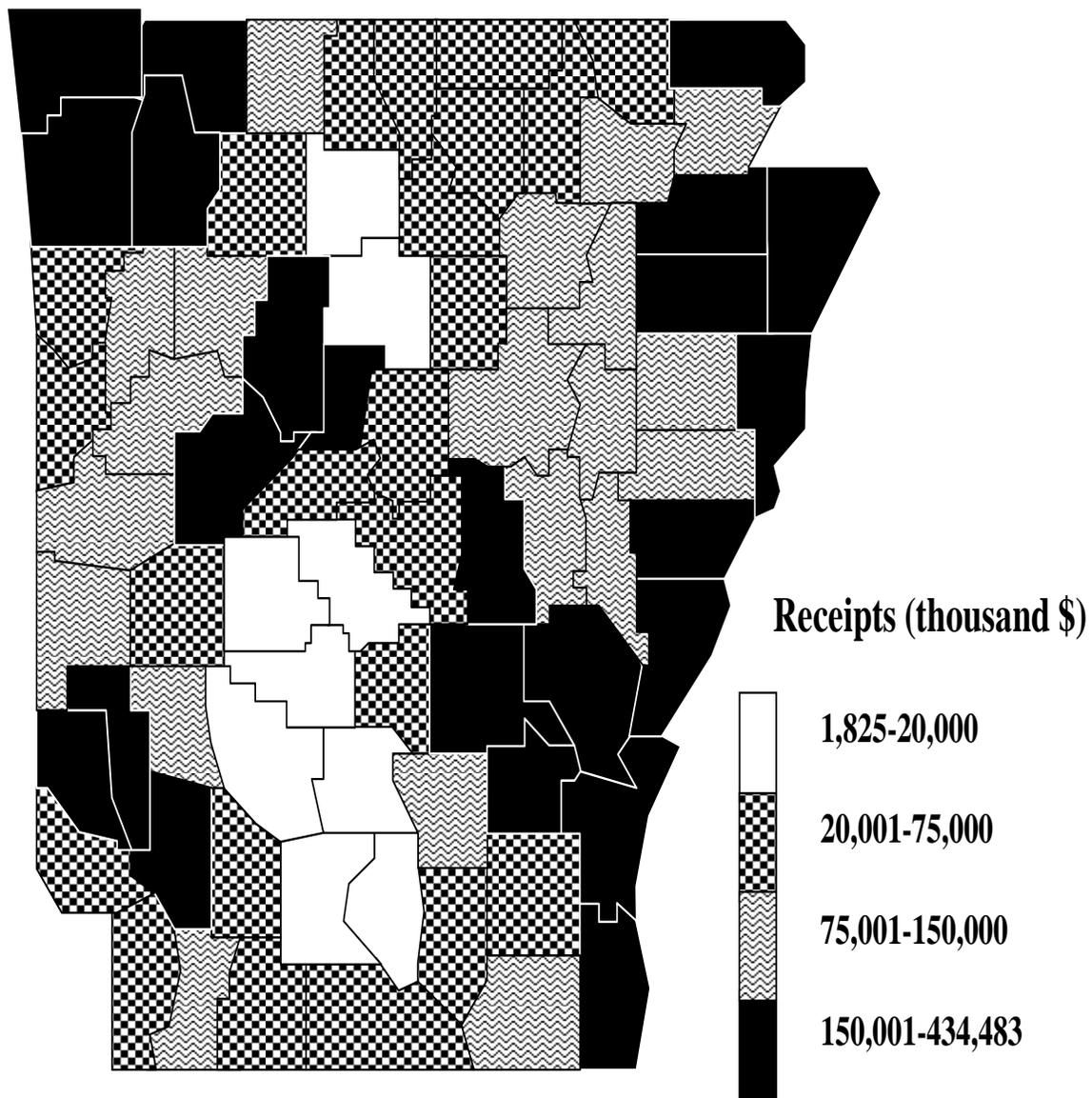


Figure 1. Total Receipts from Crops, Livestock, and Livestock Products, Arkansas Counties, 2011 (Source: USDC- BEA, 2013a)

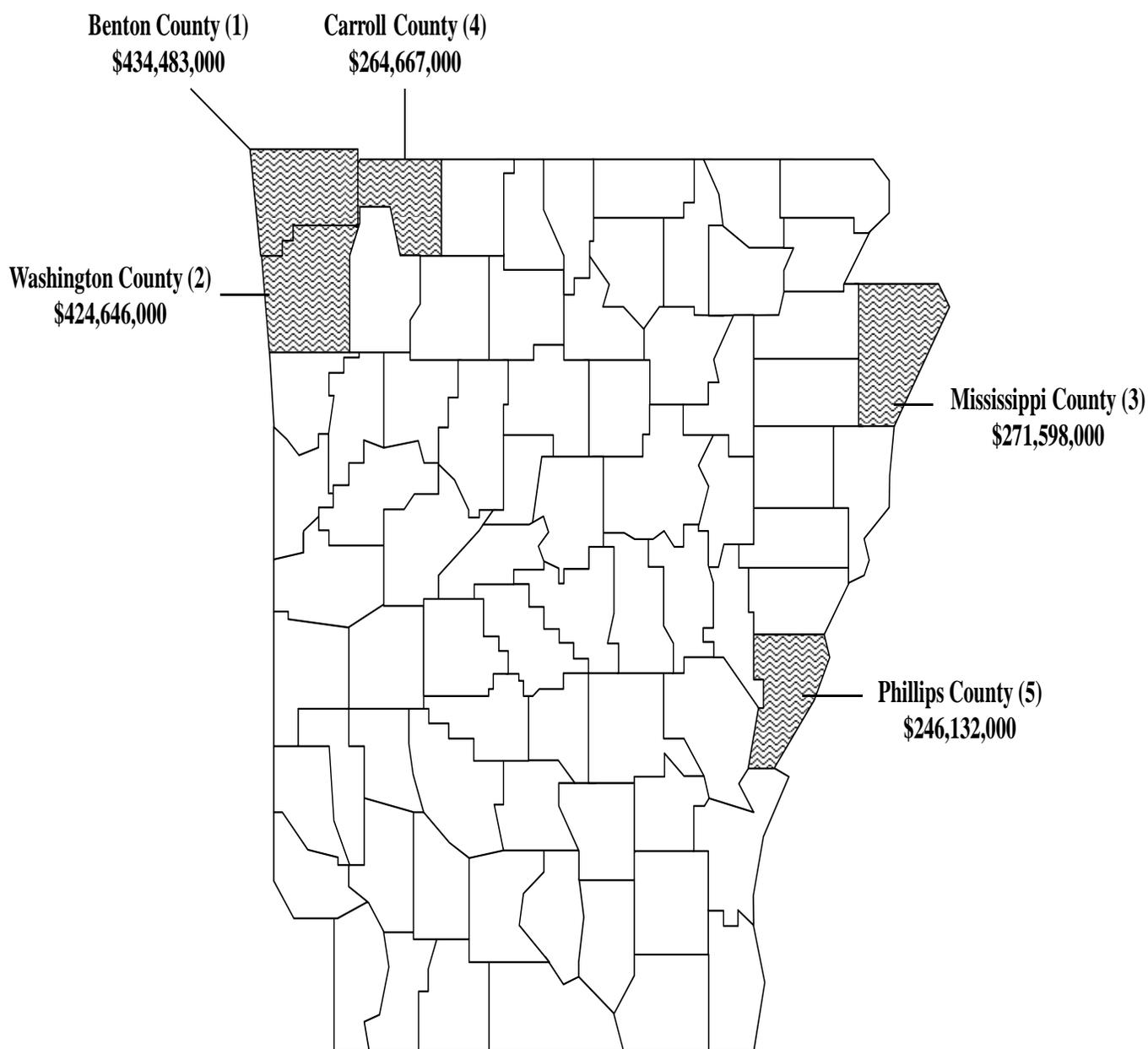


Figure 2. Top Five Counties, Total Receipts from Crops, Livestock, and Livestock Products, Arkansas Counties, 2011 (USDC-BEA, 2013a)

Cash Receipts from Livestock and Products

In 2011, cash receipts from livestock and products were \$4.826 billion (USDC-BEA, 2013a). 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 (\$428 million), Washington (\$425 million), Carroll (\$262 million), Howard (\$206 million), and Hempstead (\$167 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.

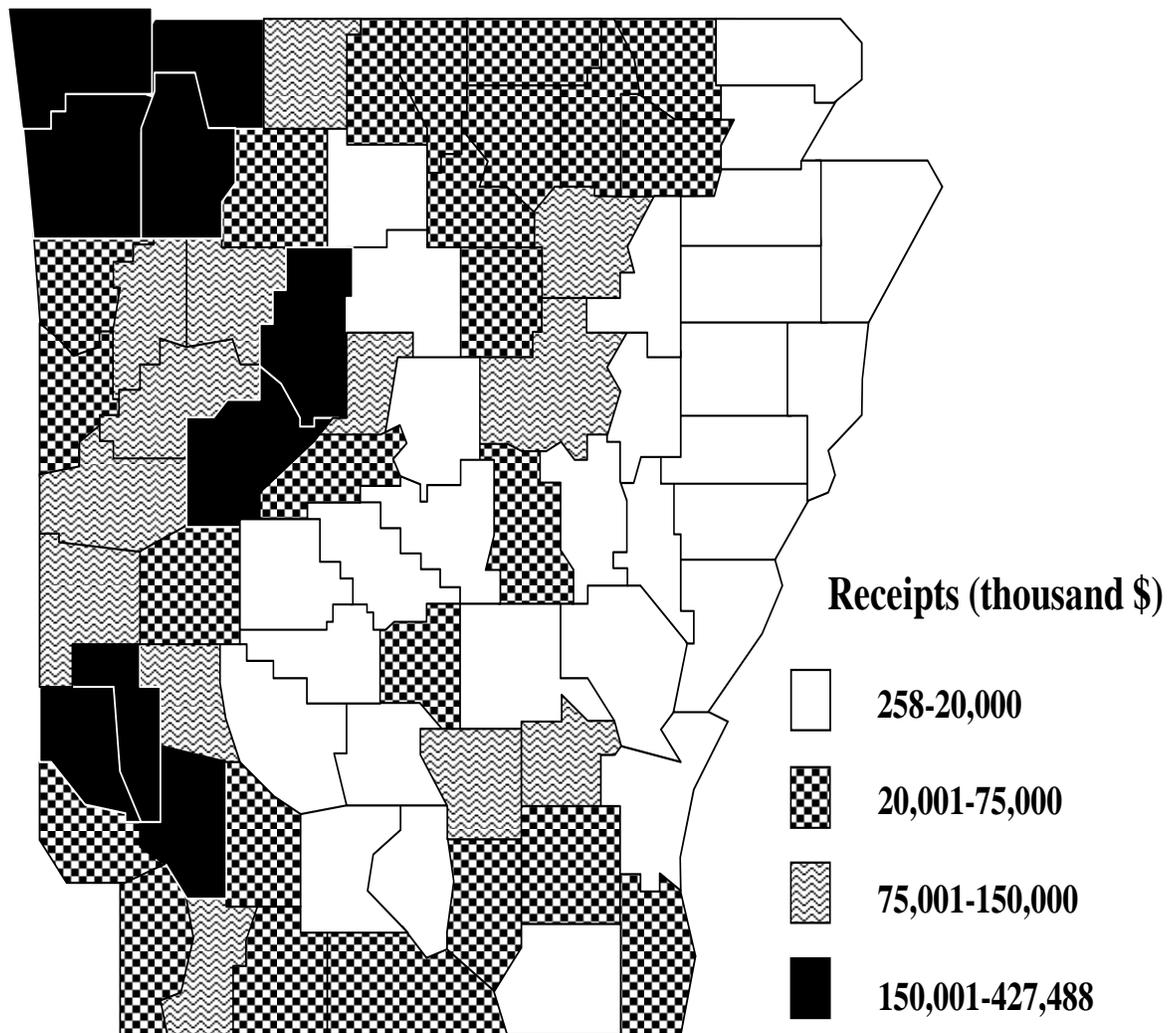


Figure 3. Receipts from Livestock and Products, Arkansas Counties, 2011
 (Source: USDC –BEA, 2013a)

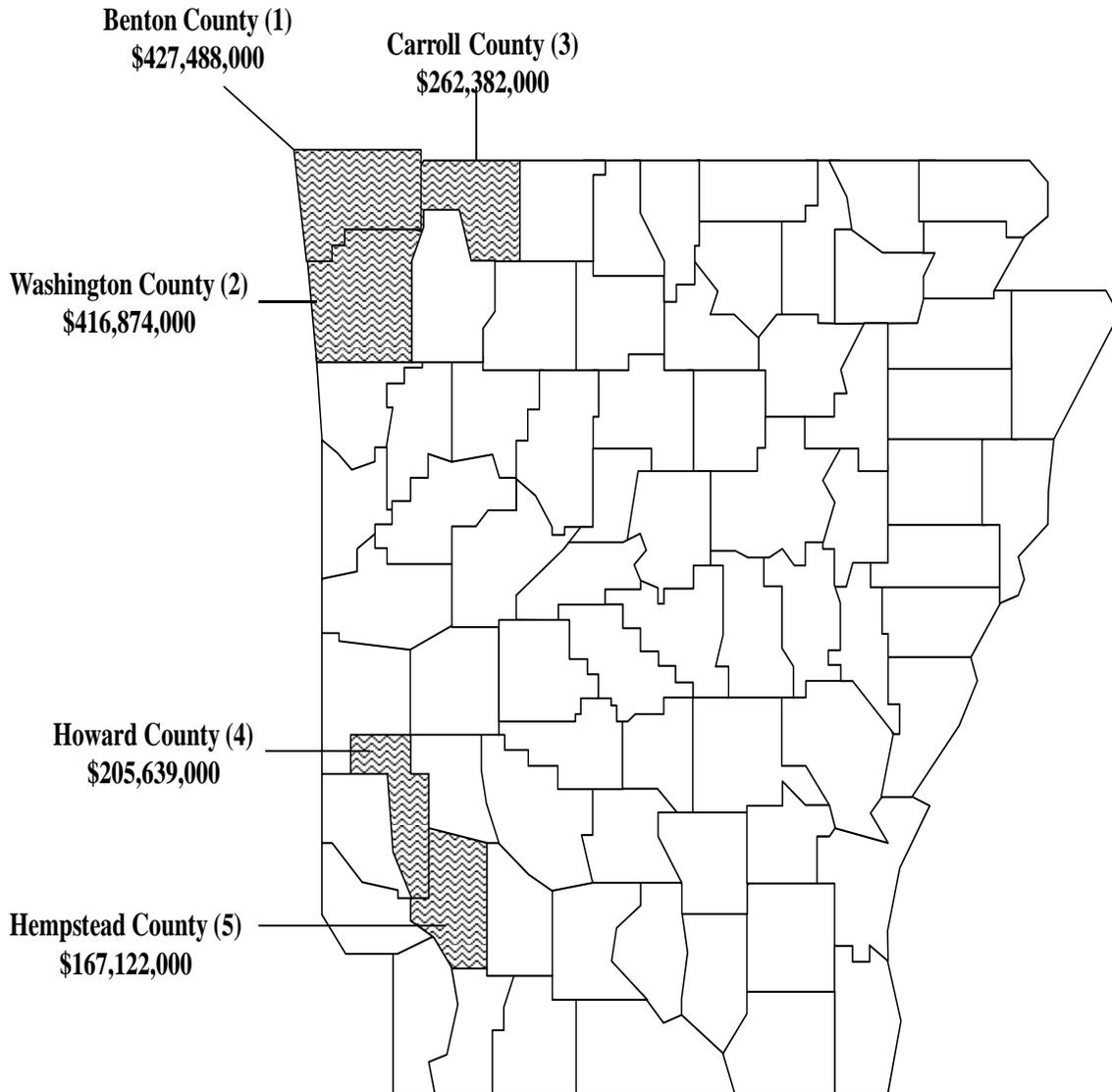


Figure 4. Top Five Counties, Receipts from Livestock and Products, Arkansas Counties, 2011 (Source: USDC-BEA, 2013a)

Cash Receipts from Crops

In 2011, cash receipts from crops were \$3.873 billion (USDC-BEA, 2012a). Soybeans were the largest component, earning 36% of the crop cash receipts total. Rice was the second largest component, with 34% of crop cash receipts. Cotton earned 13%, while corn had 9% 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 (\$271 million), Phillips (\$246 million), Arkansas (\$223 million), Craighead (\$222 million), and Desha (\$191 million). These five counties account for 30% 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.

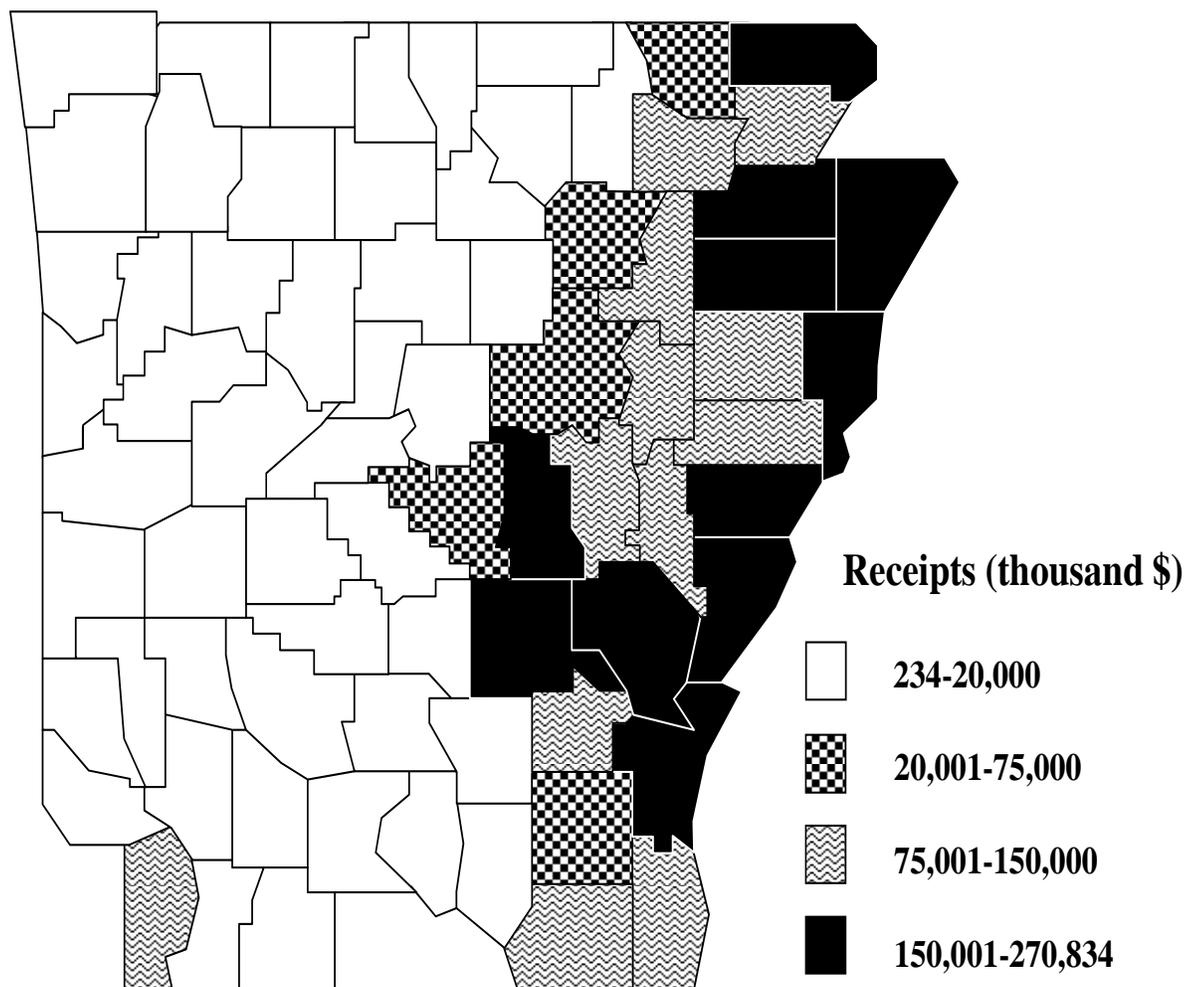


Figure 5. Receipts from Crops, Arkansas Counties, 2011 (Source: USDC-BEA, 2013a)

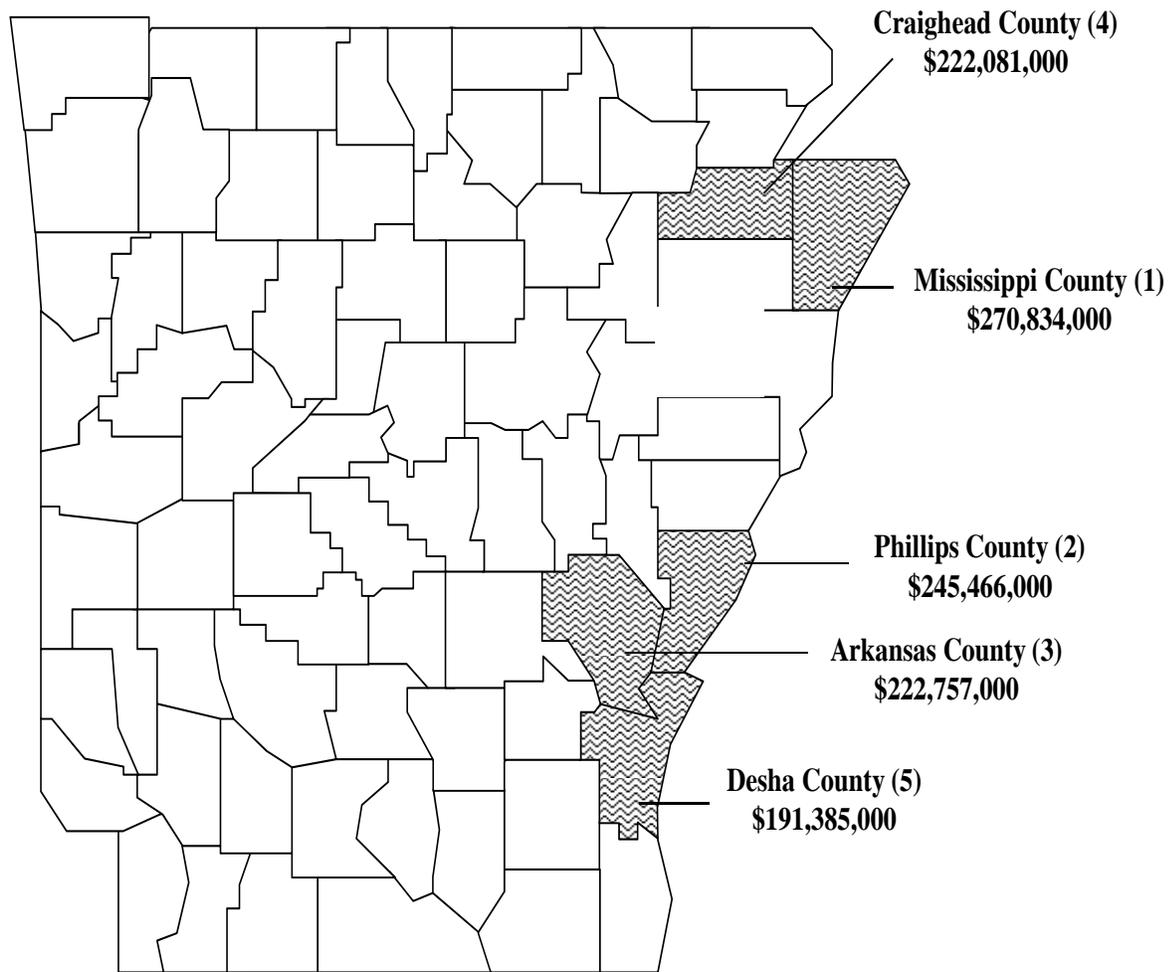


Figure 6. Top Five Counties, Receipts from Crops, Arkansas Counties, 2011
 (Source: USDC-BEA 2013a)

Summary

In 2011, total cash receipts from crops, livestock, and livestock products were \$8.699 billion. Cash receipts from livestock and products were \$4.826 billion which is 55.5% of the state total. Cash receipts from crops were \$3.873 billion, or 45.5% of the state total. Livestock and products are concentrated in the western part of Arkansas, particularly the northwestern and southwestern parts 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, 2013.

U.S. Department of Agriculture-National Agricultural Statistics Service. Arkansas Cash Receipts from Marketings by Commodity. Washington, DC: Economic Research Service/USDA, August, 2012.

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&acrdn=5>. (Accessed February 5, 2013).

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, 2013

Appendix

Appendix 1. Total Cash Receipts from Marketings of Crops, Livestock, and Livestock Products,
Arkansas Counties, 2011 (Alphabetical)

County	\$1,000	County	\$1,000
1 Arkansas	223,331	39 Lee	189,237
2 Ashley	86,784	40 Lincoln	190,600
3 Baxter	22,240	41 Little River	70,574
4 Benton	434,483	42 Logan	145,309
5 Boone	125,418	43 Lonoke	184,349
6 Bradley	29,522	44 Madison	162,136
7 Calhoun	3,180	45 Marion	36,897
8 Carroll	264,667	46 Miller	56,294
9 Chicot	176,652	47 Mississippi	271,598
10 Clark	18,863	48 Monroe	129,276
11 Clay	183,447	49 Montgomery	51,364
12 Cleburne	60,544	50 Nevada	48,448
13 Cleveland	142,869	51 Newton	21,962
14 Columbia	44,520	52 Ouachita	16,973
15 Conway	157,140	53 Perry	34,886
16 Craighead	229,071	54 Phillips	246,132
17 Crawford	64,149	55 Pike	128,403
18 Crittenden	152,049	56 Poinsett	178,787
19 Cross	138,844	57 Polk	142,571
20 Dallas	1,825	58 Pope	155,701
21 Desha	194,174	59 Prairie	135,600
22 Drew	69,073	60 Pulaski	39,601
23 Faulkner	22,481	61 Randolph	72,230
24 Franklin	117,846	62 Saline	5,747
25 Fulton	36,915	63 Scott	110,417
26 Garland	14,907	64 Searcy	16,169
27 Grant	27,633	65 Sebastian	70,310
28 Greene	143,377	66 Sevier	154,430
29 Hempstead	171,799	67 Sharp	60,541
30 Hot Spring	17,721	68 St. Francis	146,575
31 Howard	207,399	69 Stone	52,162
32 Independence	146,973	70 Union	71,764
33 Izard	45,493	71 Van Buren	19,043
34 Jackson	127,510	72 Washington	424,646
35 Jefferson	180,142	73 White	134,933
36 Johnson	137,689	74 Woodruff	120,096
37 Lafayette	96,311	75 Yell	166,198
38 Lawrence	120,256	State	8,699,256

Appendix 2. Total Cash Receipts from Marketings of Crops, Livestock, and Livestock Products, Arkansas Counties, 2011 (Largest to Smallest)

County	\$1,000	County	\$1,000
1 Benton	434,483	39 Woodruff	120,096
2 Washington	424,646	40 Franklin	117,846
3 Mississippi	271,598	41 Scott	110,417
4 Carroll	264,667	42 Lafayette	96,311
5 Phillips	246,132	43 Ashley	86,784
6 Craighead	229,071	44 Randolph	72,230
7 Arkansas	223,331	45 Union	71,764
8 Howard	207,399	46 Little River	70,574
9 Desha	194,174	47 Sebastian	70,310
10 Lincoln	190,600	48 Drew	69,073
11 Lee	189,237	49 Crawford	64,149
12 Lonoke	184,349	50 Cleburne	60,544
13 Clay	183,447	51 Sharp	60,541
14 Jefferson	180,142	52 Miller	56,294
15 Poinsett	178,787	53 Stone	52,162
16 Chicot	176,652	54 Montgomery	51,364
17 Hempstead	171,799	55 Nevada	48,448
18 Yell	166,198	56 Izard	45,493
19 Madison	162,136	57 Columbia	44,520
20 Conway	157,140	58 Pulaski	39,601
21 Pope	155,701	59 Fulton	36,915
22 Sevier	154,430	60 Marion	36,897
23 Crittenden	152,049	61 Perry	34,886
24 Independence	146,973	62 Bradley	29,522
25 St. Francis	146,575	63 Grant	27,633
26 Logan	145,309	64 Faulkner	22,481
27 Greene	143,377	65 Baxter	22,240
28 Cleveland	142,869	66 Newton	21,962
29 Polk	142,571	67 Van Buren	19,043
30 Cross	138,844	68 Clark	18,863
31 Johnson	137,689	69 Hot Spring	17,721
32 Prairie	135,600	70 Ouachita	16,973
33 White	134,933	71 Searcy	16,169
34 Monroe	129,276	72 Garland	14,907
35 Pike	128,403	73 Saline	5,747
36 Jackson	127,510	74 Calhoun	3,180
37 Boone	125,418	75 Dallas	1,825
38 Lawrence	120,256	State	8,699,256

Appendix 3. Total Receipts from Marketings of Livestock and Products, Arkansas Counties, 2011
(Alphabetical)

County	\$1,000	County	\$1,000
1 Arkansas	574	39 Lee	1,352
2 Ashley	7,213	40 Lincoln	111,719
3 Baxter	21,541	41 Little River	60,888
4 Benton	427,488	42 Logan	139,440
5 Boone	123,405	43 Lonoke	29,403
6 Bradley	25,682	44 Madison	159,449
7 Calhoun	2,151	45 Marion	36,171
8 Carroll	262,382	46 Miller	30,612
9 Chicot	31,295	47 Mississippi	764
10 Clark	16,488	48 Monroe	2,498
11 Clay	3,083	49 Montgomery	50,232
12 Cleburne	58,890	50 Nevada	47,146
13 Cleveland	142,494	51 Newton	21,023
14 Columbia	35,543	52 Ouachita	15,486
15 Conway	142,724	53 Perry	28,405
16 Craighead	6,990	54 Phillips	666
17 Crawford	51,351	55 Pike	127,633
18 Crittenden	258	56 Poinsett	677
19 Cross	1,160	57 Polk	140,837
20 Dallas	1,591	58 Pope	150,621
21 Desha	2,789	59 Prairie	5,319
22 Drew	20,482	60 Pulaski	9,656
23 Faulkner	16,355	61 Randolph	25,905
24 Franklin	113,862	62 Saline	2,976
25 Fulton	36,263	63 Scott	108,942
26 Garland	12,812	64 Searcy	15,429
27 Grant	26,614	65 Sebastian	66,595
28 Greene	8,358	66 Sevier	153,538
29 Hempstead	167,122	67 Sharp	59,716
30 Hot Spring	16,161	68 St. Francis	2,088
31 Howard	205,639	69 Stone	51,146
32 Independence	119,486	70 Union	70,844
33 Izard	44,302	71 Van Buren	17,745
34 Jackson	5,823	72 Washington	416,874
35 Jefferson	17,858	73 White	91,697
36 Johnson	132,579	74 Woodruff	2,023
37 Lafayette	76,429	75 Yell	159,823
38 Lawrence	25,575		
		State	4,826,150

Appendix 4. Appendix 3. Total Receipts from Marketings of Livestock and Products, Arkansas Counties, 2011 (Largest to Smallest)

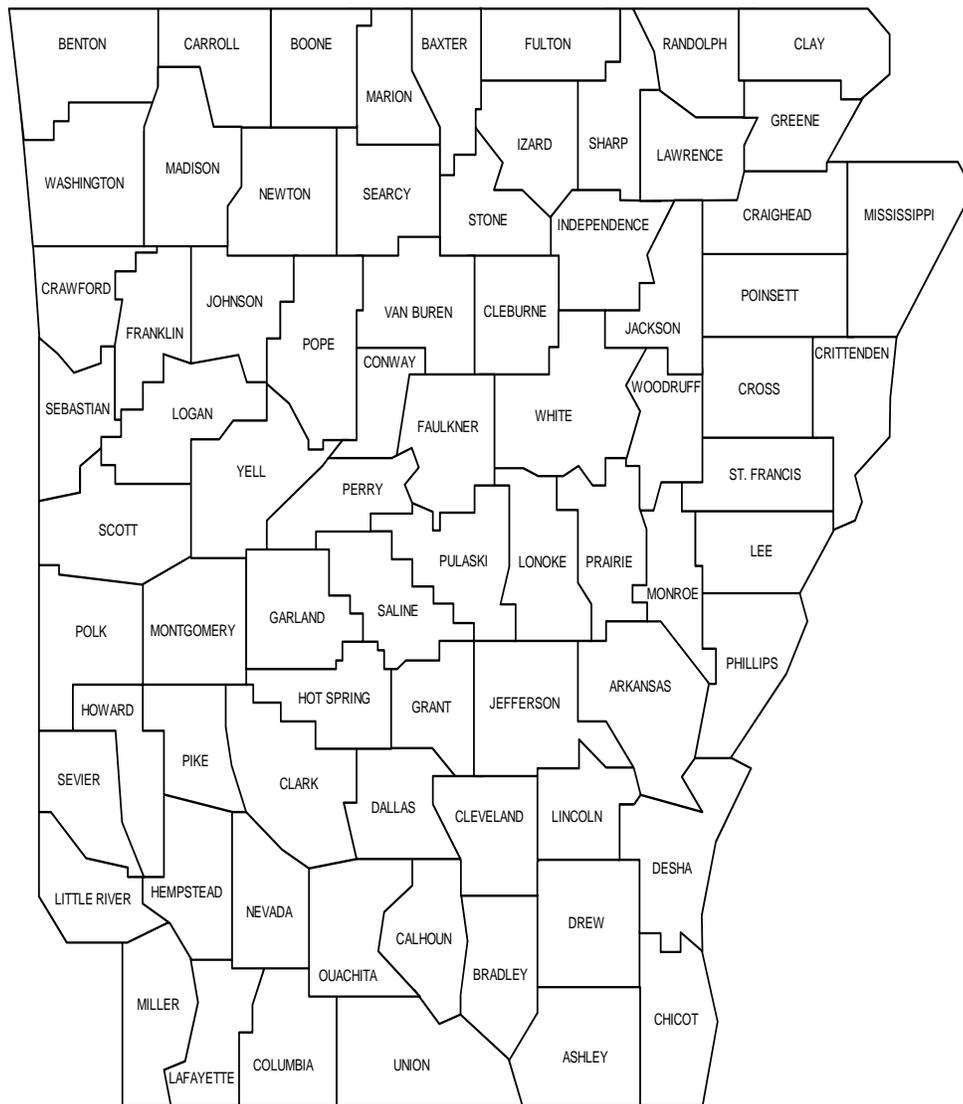
County	\$1,000	County	\$1,000
1 Benton	427,488	39 Perry	28,405
2 Washington	416,874	40 Grant	26,614
3 Carroll	262,382	41 Randolph	25,905
4 Howard	205,639	42 Bradley	25,682
5 Hempstead	167,122	43 Lawrence	25,575
6 Yell	159,823	44 Baxter	21,541
7 Madison	159,449	45 Newton	21,023
8 Sevier	153,538	46 Drew	20,482
9 Pope	150,621	47 Jefferson	17,858
10 Conway	142,724	48 Van Buren	17,745
11 Cleveland	142,494	49 Clark	16,488
12 Polk	140,837	50 Faulkner	16,355
13 Logan	139,440	51 Hot Spring	16,161
14 Johnson	132,579	52 Ouachita	15,486
15 Pike	127,633	53 Searcy	15,429
16 Boone	123,405	54 Garland	12,812
17 Independence	119,486	55 Pulaski	9,656
18 Franklin	113,862	56 Greene	8,358
19 Lincoln	111,719	57 Ashley	7,213
20 Scott	108,942	58 Craighead	6,990
21 White	91,697	59 Jackson	5,823
22 Lafayette	76,429	60 Prairie	5,319
23 Union	70,844	61 Clay	3,083
24 Sebastian	66,595	62 Saline	2,976
25 Little River	60,888	63 Desha	2,789
26 Sharp	59,716	64 Monroe	2,498
27 Cleburne	58,890	65 Calhoun	2,151
28 Crawford	51,351	66 St. Francis	2,088
29 Stone	51,146	67 Woodruff	2,023
30 Montgomery	50,232	68 Dallas	1,591
31 Nevada	47,146	69 Lee	1,352
32 Izard	44,302	70 Cross	1,160
33 Fulton	36,263	71 Mississippi	764
34 Marion	36,171	72 Poinsett	677
35 Columbia	35,543	73 Phillips	666
36 Chicot	31,295	74 Arkansas	574
37 Miller	30,612	75 Crittenden	258
38 Lonoke	29,403	State	4,826,150

Appendix 5. Total Receipts from Marketings of Crops, Arkansas Counties, 2011 (Alphabetical)

County	\$1,000	County	\$1,000
1 Arkansas	222,757	39 Lee	187,885
2 Ashley	79,571	40 Lincoln	78,881
3 Baxter	699	41 Little River	9,686
4 Benton	6,995	42 Logan	5,869
5 Boone	2,013	43 Lonoke	154,946
6 Bradley	3,840	44 Madison	2,687
7 Calhoun	1,029	45 Marion	726
8 Carroll	2,285	46 Miller	25,682
9 Chicot	145,357	47 Mississippi	270,834
10 Clark	2,375	48 Monroe	126,778
11 Clay	180,364	49 Montgomery	1,132
12 Cleburne	1,654	50 Nevada	1,302
13 Cleveland	375	51 Newton	939
14 Columbia	8,977	52 Ouachita	1,487
15 Conway	14,416	53 Perry	6,481
16 Craighead	222,081	54 Phillips	245,466
17 Crawford	12,798	55 Pike	770
18 Crittenden	151,791	56 Poinsett	178,110
19 Cross	137,684	57 Polk	1,734
20 Dallas	234	58 Pope	5,080
21 Desha	191,385	59 Prairie	130,281
22 Drew	48,591	60 Pulaski	29,945
23 Faulkner	6,126	61 Randolph	46,325
24 Franklin	3,984	62 Saline	2,771
25 Fulton	652	63 Scott	1,475
26 Garland	2,095	64 Searcy	740
27 Grant	1,019	65 Sebastian	3,715
28 Greene	135,019	66 Sevier	892
29 Hempstead	4,677	67 Sharp	825
30 Hot Spring	1,560	68 St. Francis	144,487
31 Howard	1,760	69 Stone	1,016
32 Independence	27,487	70 Union	920
33 Izard	1,191	71 Van Buren	1,298
34 Jackson	121,687	72 Washington	7,772
35 Jefferson	162,284	73 White	43,236
36 Johnson	5,110	74 Woodruff	118,073
37 Lafayette	19,882	75 Yell	6,375
38 Lawrence	94,681	State	3,873,106

Appendix 6. Total Receipts from Marketings of Crops, Arkansas Counties, 2011 (Largest to Smallest)

County	\$1,000	County	\$1,000
1 Mississippi	270,834	39 Logan	5,869
2 Phillips	245,466	40 Johnson	5,110
3 Arkansas	222,757	41 Pope	5,080
4 Craighead	222,081	42 Hempstead	4,677
5 Desha	191,385	43 Franklin	3,984
6 Lee	187,885	44 Bradley	3,840
7 Clay	180,364	45 Sebastian	3,715
8 Poinsett	178,110	46 Saline	2,771
9 Jefferson	162,284	47 Madison	2,687
10 Lonoke	154,946	48 Clark	2,375
11 Crittenden	151,791	49 Carroll	2,285
12 Chicot	145,357	50 Garland	2,095
13 St. Francis	144,487	51 Boone	2,013
14 Cross	137,684	52 Howard	1,760
15 Greene	135,019	53 Polk	1,734
16 Prairie	130,281	54 Cleburne	1,654
17 Monroe	126,778	55 Hot Spring	1,560
18 Jackson	121,687	56 Ouachita	1,487
19 Woodruff	118,073	57 Scott	1,475
20 Lawrence	94,681	58 Nevada	1,302
21 Ashley	79,571	59 Van Buren	1,298
22 Lincoln	78,881	60 Izard	1,191
23 Drew	48,591	61 Montgomery	1,132
24 Randolph	46,325	62 Calhoun	1,029
25 White	43,236	63 Grant	1,019
26 Pulaski	29,945	64 Stone	1,016
27 Independence	27,487	65 Newton	939
28 Miller	25,682	66 Union	920
29 Lafayette	19,882	67 Sevier	892
30 Conway	14,416	68 Sharp	825
31 Crawford	12,798	69 Pike	770
32 Little River	9,686	70 Searcy	740
33 Columbia	8,977	71 Marion	726
34 Washington	7,772	72 Baxter	699
35 Benton	6,995	73 Fulton	652
36 Perry	6,481	74 Cleveland	375
37 Yell	6,375	75 Dallas	234
38 Faulkner	6,126	State	3,873,106



Appendix 7. Arkansas County Map (Source: University of Arkansas-Division of Agriculture/Research & Extension, 2013)