

APPENDICES

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Appendix 1: Output, Employment, and Value-added of Industries in Jay County (2004)

Unit: Millions of Dollars

Sector	Industry	Industry Output	Employment	Value-added				Total
				Employee compensation	Proprietor income	Other property income	Indirect business tax	
1	Oilseed farming	25.778	215	0.055	6.043	10.059	0.624	16.781
2	Grain farming	14.821	212	0.136	3.049	5.095	0.304	8.583
3	Vegetable and melon farming	0.483	2	0.020	0.137	0.199	0.005	0.361
4	Tree nut farming	0.001	0	0.000	0.000	0.000	0.000	0.001
6	Greenhouse and nursery production	1.416	8	0.170	0.451	0.464	0.019	1.103
10	All other crop farming	1.788	4	0.059	0.358	0.598	0.040	1.055
11	Cattle ranching and farming	10.835	57	0.246	0.068	1.189	0.289	1.793
12	Poultry and egg production	45.056	56	1.468	4.987	14.403	0.185	21.043
13	Animal production, except cattle and	19.946	450	1.061	(0.341)	1.618	0.407	2.744
18	Agriculture and forestry support activiti	2.292	67	0.592	1.055	(0.147)	0.025	1.525
24	Stone mining and quarrying	6.484	27	1.289	0.797	1.791	0.198	4.075
30	Power generation and supply	3.369	7	0.496	0.187	1.253	0.348	2.284
31	Natural gas distribution	4.917	7	0.450	0.164	0.345	0.381	1.340
33	New residential 1-unit structures- all	11.630	104	1.752	1.577	0.624	0.059	4.011
34	New multifamily housing structures- all	1.206	20	0.329	0.306	0.057	0.004	0.696
35	New residential additions and alteration	4.190	26	0.424	0.380	0.136	0.022	0.961
37	Manufacturing and industrial buildings	0.971	16	0.277	0.246	0.089	0.006	0.618
38	Commercial and institutional buildings	8.059	113	1.899	1.703	0.608	0.051	4.261
39	Highway, street, bridge, and tunnel con	1.673	21	0.362	0.323	0.116	0.010	0.810
40	Water, sewer, and pipeline construction	0.796	9	0.148	0.132	0.047	0.004	0.331
41	Other new construction	2.744	35	0.593	0.531	0.190	0.011	1.325
42	Maintenance and repair of farm and non	1.601	14	0.242	0.217	0.077	0.007	0.544
43	Maintenance and repair of nonresidenti	2.805	33	0.551	0.498	0.177	0.023	1.248
44	Maintenance and repair of highways, str	0.586	7	0.125	0.114	0.040	0.004	0.283
45	Other maintenance and repair constructi	1.019	17	0.303	0.267	0.075	0.006	0.651
46	Dog and cat food manufacturing	150.021	159	7.460	0.016	7.813	0.764	16.053
77	Tortilla manufacturing	43.889	252	10.637	0.104	5.906	0.337	16.983
85	Soft drink and ice manufacturing	107.066	204	10.845	0.149	4.901	0.648	16.543
126	Paperboard container manufacturing	13.078	46	2.524	0.197	0.255	0.119	3.095
161	Paint and coating manufacturing	3.616	6	0.423	0.065	0.441	0.034	0.963
175	Plastics bottle manufacturing	18.206	68	2.969	0.000	3.520	0.111	6.600
177	Plastics plumbing fixtures and all other	10.632	59	2.571	0.000	1.706	0.070	4.346
178	Foam product manufacturing	13.745	61	2.480	0.000	2.036	0.085	4.601
189	Glass container manufacturing	102.482	365	22.886	0.640	19.409	0.944	43.879
195	Other concrete product manufacturing	0.842	6	0.235	0.006	0.103	0.008	0.353
224	Iron and steel forging	55.744	259	14.466	0.083	5.552	0.298	20.399
241	Hardware manufacturing	9.853	45	2.337	0.032	1.642	0.060	4.070
243	Machine shops	2.948	27	1.191	0.007	0.073	0.021	1.291
247	Electroplating, anodizing, and coloring	1.585	10	0.457	0.003	0.307	0.010	0.778
271	Optical instrument and lens manufacturi	0.244	2	0.049	0.000	0.005	0.001	0.056
276	Industrial and commercial fan and blow	0.132	1	0.024	0.000	0.007	0.001	0.032
278	AC, refrigeration, and forced air heatin	44.462	165	6.248	0.133	1.213	0.207	7.801
282	Special tool, die, jig, and fixture manufa	4.150	43	1.560	0.014	(0.037)	0.019	1.556
283	Cutting tool and machine tool accessory	0.145	1	0.036	0.001	0.002	0.001	0.038
301	Scales, balances, and miscellaneous gen	11.905	65	2.297	0.023	0.657	0.054	3.032
350	Motor vehicle parts manufacturing	259.662	853	40.091	0.000	7.140	0.752	47.983

Sector	Industry	Industry Output	Employment	Value-added				Total
				Employee compensation	Proprietor income	Other property income	Indirect business tax	
362	Wood kitchen cabinet and countertop m	6.415	53	1.703	0.176	0.420	0.043	2.343
384	Sign manufacturing	0.455	8	0.114	0.024	0.008	0.002	0.149
389	Buttons, pins, and all other miscellaneo	0.405	5	0.074	0.010	0.001	0.001	0.086
390	Wholesale trade	19.332	176	7.263	0.000	2.960	2.992	13.215
391	Air transportation	2.084	10	0.255	0.347	0.113	0.055	0.769
394	Truck transportation	8.245	75	1.645	1.027	0.789	0.082	3.543
398	Postal service	2.471	45	1.838	0.000	0.101	0.000	1.939
400	Warehousing and storage	0.185	5	0.017	0.057	0.007	0.001	0.083
401	Motor vehicle and parts dealers	7.575	119	2.697	0.246	0.247	0.943	4.134
402	Furniture and home furnishings stores	0.406	6	0.086	0.052	0.044	0.055	0.236
403	Electronics and appliance stores	1.373	23	0.733	0.051	0.027	0.197	1.009
404	Building material and garden supply sto	1.102	21	0.259	0.088	0.077	0.132	0.556
405	Food and beverage stores	5.300	106	1.650	0.559	0.357	0.577	3.142
406	Health and personal care stores	1.688	28	0.724	0.028	0.032	0.240	1.024
407	Gasoline stations	6.005	119	1.868	0.000	1.178	0.875	3.921
408	Clothing and clothing accessories stores	0.254	5	0.021	0.059	0.043	0.036	0.160
409	Sporting goods, hobby, book and music	0.499	16	0.139	0.050	0.027	0.065	0.281
410	General merchandise stores	6.456	144	2.438	0.029	0.196	0.861	3.524
411	Miscellaneous store retailers	1.890	96	0.656	0.298	0.190	0.275	1.418
412	Nonstore retailers	1.297	67	0.167	0.109	0.478	0.146	0.900
413	Newspaper publishers	3.034	36	0.942	0.036	0.201	0.018	1.197
418	Motion picture and video industries	0.838	8	0.064	0.002	0.014	0.003	0.083
420	Radio and television broadcasting	4.877	36	0.955	0.033	0.084	0.013	1.084
422	Telecommunications	1.620	7	0.267	0.008	0.313	0.096	0.684
425	Nondepository credit intermediation an	0.466	6	0.158	0.016	0.082	0.020	0.276
426	Securities, commodity contracts, invest	4.712	67	0.781	0.365	(0.093)	0.029	1.082
427	Insurance carriers	1.985	10	0.295	0.105	0.094	0.063	0.557
428	Insurance agencies, brokerages, and rel	3.554	53	1.291	0.211	1.189	0.020	2.710
430	Monetary authorities and depository cre	13.741	130	3.013	0.293	7.015	0.183	10.504
431	Real estate	5.144	51	0.089	0.806	2.107	0.600	3.601
433	Video tape and disc rental	0.526	13	0.061	0.044	0.027	0.014	0.147
435	General and consumer goods rental exc	1.505	29	0.361	0.417	(0.059)	0.016	0.735
437	Legal services	3.170	31	0.946	0.687	0.414	0.070	2.117
438	Accounting and bookkeeping services	2.359	44	0.522	0.360	0.088	0.008	0.979
439	Architectural and engineering services	0.543	9	0.118	0.091	0.010	0.002	0.220
441	Custom computer programming service	0.033	1	0.010	0.008	(0.005)	0.000	0.014
443	Other computer related services, includ	0.028	1	0.005	0.005	0.014	0.000	0.024
444	Management consulting services	0.638	10	0.136	0.098	0.026	0.002	0.262
449	Veterinary services	0.139	3	0.021	0.012	(0.000)	0.002	0.034
450	All other miscellaneous professional an	1.225	4	0.041	0.026	0.260	0.007	0.334
451	Management of companies and enterpri	4.741	34	1.960	0.000	0.675	0.041	2.676
454	Employment services	2.920	139	2.232	0.255	(0.052)	0.014	2.449
456	Travel arrangement and reservation ser	0.680	7	0.152	0.014	0.073	0.010	0.249
458	Services to buildings and dwellings	0.788	18	0.282	0.015	0.059	0.013	0.369
460	Waste management and remediation ser	1.760	12	0.470	0.026	0.272	0.066	0.833
463	Other educational services	0.209	4	0.089	0.001	0.041	0.007	0.138
465	Offices of physicians, dentists, and othe	19.401	252	10.579	1.042	1.967	0.122	13.710
466	Other ambulatory health care services	6.971	39	2.639	0.266	1.109	0.061	4.075
468	Nursing and residential care facilities	8.299	204	4.827	0.000	(0.153)	0.120	4.793
470	Social assistance, except child day care	10.216	256	6.684	0.183	(0.577)	0.048	6.338

Sector	Industry	Industry Output	Employment	Value-added				Total
				Employee compensation	Proprietor income	Other property income	Indirect business tax	
474	Promoters of performing arts and sports	0.830	44	0.224	0.071	0.300	0.038	0.633
476	Fitness and recreational sports centers	0.402	17	0.130	0.014	(0.012)	0.017	0.150
477	Bowling centers	0.365	12	0.088	0.011	0.049	0.029	0.177
478	Other amusement, gambling, and recre	1.068	29	0.262	0.109	0.228	0.083	0.683
479	Hotels and motels, including casino hot	0.747	12	0.032	0.244	0.143	0.071	0.490
480	Other accommodations	0.108	2	0.003	0.012	0.018	0.004	0.036
481	Food services and drinking places	41.483	975	12.223	0.566	3.392	2.025	18.206
482	Car washes	0.042	3	0.007	0.004	0.007	0.002	0.021
483	Automotive repair and maintenance, ex	10.681	192	1.972	1.394	0.734	0.743	4.844
487	Personal care services	0.456	12	0.117	0.047	0.092	0.017	0.272
488	Death care services	1.095	23	0.357	0.119	0.040	0.077	0.593
492	Grantmaking and giving and social adv	0.129	4	0.128	0.001	(0.100)	0.000	0.029
493	Civic, social, professional and similar o	8.904	280	5.353	0.029	(2.184)	0.025	3.223
494	Private households	0.010	26	0.010	0.000	0.000	0.000	0.010
497	State and local government passenger tr	0.161	3	0.146	0.000	(0.131)	0.000	0.015
498	State and local government electric utili	0.634	2	0.143	0.000	0.300	0.002	0.445
499	Other State and local government enter	4.790	28	1.165	0.000	0.737	0.001	1.903
503	State & Local Education	28.133	692	25.042	0.000	3.091	0.000	28.133
504	State & Local Non-Education	19.767	469	17.211	0.000	2.557	0.000	19.767
506	Federal Non-Military	0.954	8	0.767	0.000	0.187	0.000	0.954
508	Inventory valuation adjustment	(1.145)	0	0.000	0.000	(1.145)	0.000	(1.145)
509	Owner-occupied dwellings	54.465	0	0.000	0.000	38.414	6.276	44.690
Total		1,382.512	9,699	274.549	35.977	170.961	26.229	507.715

Note: See complete name list of industries in Appendix 11.
Source: IMPLAN data, 2004

Appendix 2: Earnings per Worker of Industries in Jay County (2004)

Unit: Dollars

Sec- tor	Industry	Earnings per worker	Sec- tor	Industry	Earnings per worker
12	Poultry and egg production	114,490	425	Nondepository credit intermediation an	31,366
30	Power generation and supply	102,967	492	Grantmaking and giving and social adv	29,604
10	All other crop farming	95,418	1	Oilseed farming	28,318
506	Federal Non-Military	90,454	428	Insurance agencies, brokerages, and rel	28,176
3	Vegetable and melon farming	85,771	420	Radio and television broadcasting	27,241
161	Paint and coating manufacturing	83,144	435	General and consumer goods rental exc	27,170
31	Natural gas distribution	82,543	470	Social assistance, except child day care	26,868
6	Greenhouse and nursery production	82,248	406	Health and personal care stores	26,861
24	Stone mining and quarrying	77,515	413	Newspaper publishers	26,849
466	Other ambulatory health care services	74,618	430	Monetary authorities and depository cre	25,487
189	Glass container manufacturing	64,379	283	Cutting tool and machine tool accessory	25,195
4	Tree nut farming	61,403	401	Motor vehicle and parts dealers	24,764
126	Paperboard container manufacturing	59,046	18	Agriculture and forestry support activiti	24,679
391	Air transportation	58,488	276	Industrial and commercial fan and blow	24,439
498	State and local government electric utiliti	58,394	444	Management consulting services	24,273
451	Management of companies and enterpris	57,326	456	Travel arrangement and reservation ser	24,192
224	Iron and steel forging	56,103	439	Architectural and engineering services	24,147
497	State and local government passenger tra	55,046	463	Other educational services	24,066
85	Soft drink and ice manufacturing	53,929	468	Nursing and residential care facilities	23,608
241	Hardware manufacturing	52,812	479	Hotels and motels, including casino hot	22,099
437	Legal services	52,279	402	Furniture and home furnishings stores	21,376
247	Electroplating- anodizing- and coloring	48,178	405	Food and beverage stores	20,938
46	Dog and cat food manufacturing	47,079	488	Death care services	20,875
350	Motor vehicle parts manufacturing	46,975	438	Accounting and bookkeeping services	20,269
465	Offices of physicians, dentists, and other	46,143	493	Civic, social, professional and similar o	19,224
243	Machine shops	44,989	384	Sign manufacturing	18,477
175	Plastics bottle manufacturing	43,767	454	Employment services	17,934
177	Plastics plumbing fixtures and all other p	43,589	483	Automotive repair and maintenance- ex	17,564
77	Tortilla manufacturing	42,540	431	Real estate	17,489
499	Other State and local government enterpr	42,178	389	Buttons, pins, and all other miscellaneo	17,407
195	Other concrete product manufacturing	41,399	410	General merchandise stores	17,156
390	Wholesale trade	41,217	408	Clothing and clothing accessories stores	17,011
422	Telecommunications	41,048	426	Securities, commodity contracts- invest	16,993
398	Postal service	40,704	458	Services to buildings and dwellings	16,460
460	Waste management and remediation serv	40,680	404	Building material and garden supply sto	16,229
178	Foam product manufacturing	40,664	450	All other miscellaneous professional an	15,873
278	AC, refrigeration, and forced air heating	38,563	407	Gasoline stations	15,733
427	Insurance carriers	38,075	441	Custom computer programming service	15,425
504	State & Local Non-Education	36,658	2	Grain farming	14,999
282	Special tool, die, jig, and fixture manufa	36,237	400	Warehousing and storage	14,390
503	State & Local Education	36,200	487	Personal care services	13,440
301	Scales- balances- and miscellaneous gen	35,979	481	Food services and drinking places	13,118
394	Truck transportation	35,535	478	Other amusement, gambling, and recre	12,994
362	Wood kitchen cabinet and countertop ma	35,316	409	Sporting goods, hobby, book and music	11,449
403	Electronics and appliance stores	34,541	449	Veterinary services	10,106
45	Other maintenance and repair constructio	33,128	443	Other computer related services, includi	10,002
39	Highway, street, bridge, and tunnel cons	32,874	411	Miscellaneous store retailers	9,953
271	Optical instrument and lens manufacturi	32,747	480	Other accommodations	9,759
44	Maintenance and repair of highways, str	32,709	418	Motion picture and video industries	8,784

Sec- tor	Industry	Earnings per worker	Sec- tor	Industry	Earnings per worker
40	Water, sewer, and pipeline construction	32,627	476	Fitness and recreational sports centers	8,472
41	Other new construction	32,430	477	Bowling centers	7,991
37	Manufacturing and industrial buildings	32,276	433	Video tape and disc rental	7,855
43	Maintenance and repair of nonresidential	32,062	474	Promoters of performing arts and sports	6,781
33	New residential 1-unit structures- all	32,045	11	Cattle ranching and farming	5,493
42	Maintenance and repair of farm and nonf	32,032	412	Nonstore retailers	4,091
34	New multifamily housing structures, all	31,840	482	Car washes	3,468
38	Commercial and institutional buildings	31,838	13	Animal production, except cattle and	1,597
35	New residential additions and alterations	31,379	494	Private households	383

Notes: Average earnings per worker is the average earnings of part-time and full-time employees, and also of proprietors. It is derived from the total labor income of each sector (employee compensation plus proprietary income) divided by the total number of employment in that sector, which includes part-time and full-time employees, and proprietors.

Source: IMPLAN data, 2004

Appendix 3: Import Dependency Ratios of Industries in Jay County

		Unit: Millions of Dollars			
Sector	Industry	Gross Inputs	Regional Inputs	Imported Inputs	Percent Imported
427	Insurance carriers	1.429	0.577	0.852	59.62
11	Cattle ranching and farming	9.042	3.563	5.479	60.60
4	Tree nut farming	0.000	0.000	0.000	61.87
483	Automotive repair and maintenance, except car wash	5.837	2.094	3.743	64.13
428	Insurance agencies, brokerages, and related	0.845	0.274	0.570	67.51
474	Promoters of performing arts and sports and agents for	0.197	0.062	0.135	68.48
6	Greenhouse and nursery production	0.313	0.095	0.217	69.49
3	Vegetable and melon farming	0.122	0.036	0.086	70.39
430	Monetary authorities and depository credit intermediat	3.237	0.955	2.281	70.48
426	Securities, commodity contracts, investments	3.630	1.035	2.595	71.49
466	Other ambulatory health care services	2.896	0.809	2.087	72.05
458	Services to buildings and dwellings	0.420	0.116	0.303	72.32
451	Management of companies and enterprises	2.065	0.567	1.497	72.52
391	Air transportation	1.316	0.360	0.956	72.64
479	Hotels and motels, including casino hotels	0.257	0.070	0.187	72.72
468	Nursing and residential care facilities	3.506	0.941	2.565	73.16
418	Motion picture and video industries	0.755	0.202	0.553	73.27
509	Owner-occupied dwellings	9.775	2.559	7.216	73.82
398	Postal service	0.532	0.137	0.395	74.26
477	Bowling centers	0.188	0.048	0.140	74.52
460	Waste management and remediation services	0.927	0.235	0.692	74.68
444	Management consulting services	0.375	0.095	0.280	74.69
425	Nondepository credit intermediation and related activi	0.190	0.048	0.143	74.95
456	Travel arrangement and reservation services	0.431	0.107	0.323	75.06
454	Employment services	0.470	0.117	0.353	75.08
480	Other accommodations	0.071	0.018	0.053	75.10
450	All other miscellaneous professional and technical ser	0.891	0.218	0.673	75.51
499	Other State and local government enterprises	2.886	0.699	2.188	75.79
465	Offices of physicians, dentists, and other health practi	5.692	1.369	4.323	75.95
498	State and local government electric utilities	0.188	0.045	0.143	76.16
407	Gasoline stations	2.085	0.493	1.592	76.36
402	Furniture and home furnishings stores	0.170	0.040	0.130	76.36
406	Health and personal care stores	0.664	0.157	0.507	76.36
411	Miscellaneous store retailers	0.472	0.112	0.360	76.36
405	Food and beverage stores	2.158	0.510	1.647	76.36
408	Clothing and clothing accessories stores	0.095	0.022	0.072	76.36
403	Electronics and appliance stores	0.364	0.086	0.278	76.36
409	Sporting goods, hobby, book and music stores	0.218	0.052	0.167	76.36
401	Motor vehicle and parts dealers	3.440	0.813	2.627	76.36
412	Nonstore retailers	0.397	0.094	0.303	76.36
410	General merchandise stores	2.932	0.693	2.239	76.36
404	Building material and garden supply stores	0.545	0.129	0.416	76.36
420	Radio and television broadcasting	3.793	0.877	2.916	76.87

Sec- tor	Industry	Gross Inputs	Regional Inputs	Imported Inputs	Percent Imported
431	Real estate	1.543	0.352	1.191	77.18
493	Civic, social, professional and similar organizations	5.682	1.259	4.422	77.84
482	Car washes	0.021	0.005	0.016	77.87
463	Other educational services	0.071	0.016	0.055	77.94
437	Legal services	1.052	0.232	0.820	77.96
394	Truck transportation	4.702	1.036	3.666	77.96
441	Custom computer programming services	0.019	0.004	0.015	77.96
438	Accounting and bookkeeping services	1.380	0.303	1.077	78.02
435	General and consumer goods rental except video tapes	0.771	0.167	0.604	78.31
390	Wholesale trade	6.117	1.314	4.804	78.53
33	New residential 1-unit structures, all	7.619	1.626	5.993	78.66
478	Other amusement, gambling, and recreation industries	0.386	0.082	0.304	78.84
476	Fitness and recreational sports centers	0.252	0.053	0.200	79.14
2	Grain farming	6.238	1.284	4.954	79.41
492	Grantmaking and giving and social advocacy organiza	0.100	0.020	0.079	79.52
10	All other crop farming	0.732	0.147	0.586	79.99
350	Motor vehicle parts manufacturing	211.678	40.858	170.820	80.70
42	Maintenance and repair of farm and nonfarm residenti	1.057	0.204	0.854	80.73
13	Animal production, except cattle, poultry and eggs	17.201	3.307	13.894	80.77
43	Maintenance and repair of nonresidential buildings	1.556	0.296	1.260	80.95
18	Agriculture and forestry support activities	0.767	0.145	0.622	81.14
488	Death care services	0.502	0.094	0.408	81.30
487	Personal care services	0.184	0.034	0.150	81.44
282	Special tool, die, jig, and fixture manufacturing	2.595	0.476	2.118	81.65
470	Social assistance, except child day care services	3.878	0.703	3.175	81.88
433	Video tape and disc rental	0.380	0.068	0.311	81.99
439	Architectural and engineering services	0.323	0.058	0.265	82.01
35	New residential additions and alterations, all	3.228	0.577	2.651	82.12
189	Glass container manufacturing	58.603	10.459	48.144	82.15
1	Oilseed farming	8.997	1.604	7.393	82.17
243	Machine shops	1.657	0.294	1.362	82.25
384	Sign manufacturing	0.306	0.054	0.252	82.36
481	Food services and drinking places	23.277	4.087	19.191	82.44
85	Soft drink and ice manufacturing	90.523	15.362	75.160	83.03
247	Electroplating, anodizing, and coloring metal	0.807	0.136	0.672	83.18
400	Warehousing and storage	0.102	0.017	0.085	83.26
301	Scales, balances, and miscellaneous general purpose	8.873	1.476	7.397	83.36
45	Other maintenance and repair construction	0.369	0.058	0.311	84.34
271	Optical instrument and lens manufacturing	0.188	0.029	0.159	84.49
34	New multifamily housing structures, all	0.511	0.076	0.435	85.10
38	Commercial and institutional buildings	3.797	0.557	3.241	85.34
422	Telecommunications	0.936	0.133	0.804	85.84
224	Iron and steel forging	35.345	4.993	30.351	85.87
44	Maintenance and repair of highways, streets, bridges,	0.303	0.043	0.260	85.94
443	Other computer related services, including facilities m	0.004	0.001	0.003	85.97
283	Cutting tool and machine tool accessory manufacturin	0.107	0.015	0.092	86.10

Sec- tor	Industry	Gross Inputs	Regional Inputs	Imported Inputs	Percent Imported
30	Power generation and supply	1.086	0.149	0.937	86.28
41	Other new construction	1.419	0.192	1.227	86.47
37	Manufacturing and industrial buildings	0.353	0.047	0.307	86.74
195	Other concrete product manufacturing	0.489	0.063	0.426	87.04
12	Poultry and egg production	24.012	3.062	20.950	87.25
389	Buttons, pins, and all other miscellaneous manufacturi	0.318	0.039	0.279	87.64
241	Hardware manufacturing	5.783	0.674	5.108	88.34
413	Newspaper publishers	1.837	0.213	1.624	88.40
362	Wood kitchen cabinet and countertop manufacturing	4.071	0.456	3.615	88.80
39	Highway, street, bridge, and tunnel construction	0.863	0.096	0.767	88.86
276	Industrial and commercial fan and blower manufacturi	0.100	0.011	0.089	89.40
177	Plastics plumbing fixtures and all other plastics produ	6.286	0.657	5.629	89.55
40	Water, sewer, and pipeline construction	0.464	0.048	0.417	89.70
449	Veterinary services	0.105	0.011	0.094	89.78
77	Tortilla manufacturing	26.905	2.726	24.179	89.87
278	AC, refrigeration, and forced air heating	36.661	3.539	33.122	90.35
24	Stone mining and quarrying	2.409	0.230	2.179	90.46
161	Paint and coating manufacturing	2.653	0.248	2.405	90.63
175	Plastics bottle manufacturing	11.606	1.085	10.521	90.65
497	State and local government passenger transit	0.147	0.013	0.134	91.09
178	Foam product manufacturing	9.144	0.730	8.414	92.02
126	Paperboard container manufacturing	9.984	0.709	9.275	92.90
46	Dog and cat food manufacturing	133.968	8.752	125.216	93.47
31	Natural gas distribution	3.577	0.175	3.402	95.10

Source: IMPLAN data, 2004

Appendix 4: Numbers of Animals in IMPLAN Sector 13 in Jay County (2002)

	Unit: Number	
	Inventory	Sales
Hogs and Pigs	91,245	248,123
Sheep and Lambs	861	961
Horses and Ponies	1,117	98
Milk Goats	62	(D)
Angora Goats	-	-
Colonies of Bees	161	-
Mink and Their Pelts	-	-
Aquaculture	-	-
Bison	(D)	-
Deer	24	-
Elk	-	-
Goats, All	840	257
Meat and Other Goats	778	(D)
Llama	10	(D)
Mules, Burros, and Donkeys	25	-
Rabbit and Their Pelts	152	54

Note: (D) is non-disclosable.

Source: 2002 Census of Agriculture, Indiana County Level Data

Appendix 5: Output Multipliers of Industries in Jay County (2004)

Rank	IMPLAN Sector	Industry				Units
			Direct Effects	Indirect Effects	Induced Effects	Total
1	492	Grantmaking and giving and social advocacy or	1.000000	0.161074	0.363460	1.524534
2	11	Cattle ranching and farming	1.000000	0.416937	0.035467	1.452405
3	427	Insurance carriers	1.000000	0.305412	0.111236	1.416648
4	497	State and local government passenger transit	1.000000	0.087206	0.316075	1.403281
5	493	Civic- social- professional and similar organ	1.000000	0.144405	0.224073	1.368478
6	426	Securities- commodity contracts- investments	1.000000	0.249887	0.110394	1.360281
7	483	Automotive repair and maintenance- except car	1.000000	0.223833	0.129416	1.353250
8	441	Custom computer programming services	1.000000	0.126403	0.217822	1.344225
9	454	Employment services	1.000000	0.043631	0.297364	1.340994
10	494	Private households	1.000000	0.000000	0.339839	1.339839
11	418	Motion picture and video industries	1.000000	0.292162	0.046133	1.338295
12	18	Agriculture and forestry support activities	1.000000	0.074390	0.263082	1.337473
13	468	Nursing and residential care facilities	1.000000	0.122210	0.212493	1.334703
14	398	Postal service	1.000000	0.062567	0.259383	1.321951
15	435	General and consumer goods rental except vide	1.000000	0.122006	0.198780	1.320785
16	391	Air transportation	1.000000	0.195571	0.122555	1.318127
17	444	Management consulting services	1.000000	0.160061	0.151086	1.311147
18	458	Services to buildings and dwellings	1.000000	0.160001	0.149818	1.309819
19	470	Social assistance- except child day care serv	1.000000	0.071818	0.237583	1.309401
20	503	State & Local Education	1.000000	0.000000	0.302502	1.302502
21	504	State & Local Non-Education	1.000000	0.000000	0.295885	1.295885
22	420	Radio and television broadcasting	1.000000	0.210353	0.082820	1.293173
23	438	Accounting and bookkeeping services	1.000000	0.140796	0.150185	1.290982
24	465	Offices of physicians- dentists- and other he	1.000000	0.075021	0.215798	1.290819
25	451	Management of companies and enterprises	1.000000	0.135504	0.154309	1.289814
26	476	Fitness and recreational sports centers	1.000000	0.143806	0.139168	1.282975
27	456	Travel arrangement and reservation services	1.000000	0.172912	0.106658	1.279570
28	466	Other ambulatory health care services	1.000000	0.119955	0.159374	1.279329
29	506	Federal Non-Military	1.000000	0.000000	0.273230	1.273230
30	33	New residential 1-unit structures- all	1.000000	0.153167	0.119159	1.272325
31	394	Truck transportation	1.000000	0.143338	0.128718	1.272056
32	282	Special tool- die- jig- and fixture manufactu	1.000000	0.127673	0.143751	1.271424
33	403	Electronics and appliance stores	1.000000	0.067850	0.202981	1.270830
34	437	Legal services	1.000000	0.076894	0.192181	1.269075
35	45	Other maintenance and repair construction	1.000000	0.062840	0.205491	1.268330
36	34	New multifamily housing structures- all	1.000000	0.069184	0.194990	1.264174
37	406	Health and personal care stores	1.000000	0.100721	0.163429	1.264150
38	401	Motor vehicle and parts dealers	1.000000	0.116291	0.146381	1.262672
39	460	Waste management and remediation services	1.000000	0.151186	0.111440	1.262626
40	43	Maintenance and repair of nonresidential buil	1.000000	0.116201	0.146024	1.262225
41	243	Machine shops	1.000000	0.110539	0.151220	1.261759
42	405	Food and beverage stores	1.000000	0.104228	0.156724	1.260952
43	439	Architectural and engineering services	1.000000	0.108611	0.152308	1.260918
44	410	General merchandise stores	1.000000	0.116281	0.143351	1.259633
45	499	Other State and local government enterprises	1.000000	0.154596	0.104277	1.258873
46	488	Death care services	1.000000	0.094632	0.162741	1.257373
47	409	Sporting goods- hobby- book and music stores	1.000000	0.111852	0.144132	1.255984
48	42	Maintenance and repair of farm and nonfarm re	1.000000	0.138840	0.116807	1.255646
49	400	Warehousing and storage	1.000000	0.097593	0.156034	1.253627
50	4	Tree nut farming	1.000000	0.110521	0.142872	1.253393

Rank	IMPLAN Sector	Industry	Direct Effects	Indirect Effects	Induced Effects	Total
51	477	Bowling centers	1.000000	0.144523	0.108669	1.253192
52	479	Hotels and motels- including casino hotels	1.000000	0.104899	0.146225	1.251124
53	404	Building material and garden supply stores	1.000000	0.126727	0.123892	1.250619
54	480	Other accommodations	1.000000	0.180555	0.069878	1.250433
55	37	Manufacturing and industrial buildings	1.000000	0.053771	0.196094	1.249864
56	411	Miscellaneous store retailers	1.000000	0.063917	0.183396	1.247314
57	384	Sign manufacturing	1.000000	0.128977	0.118033	1.247010
58	350	Motor vehicle parts manufacturing	1.000000	0.177061	0.067529	1.244589
59	425	Nondepository credit intermediation and rela	1.000000	0.102514	0.141125	1.243639
60	450	All other miscellaneous professional and tech	1.000000	0.197633	0.045888	1.243522
61	38	Commercial and institutional buildings	1.000000	0.076042	0.167194	1.243236
62	6	Greenhouse and nursery production	1.000000	0.072309	0.169425	1.241734
63	402	Furniture and home furnishings stores	1.000000	0.107185	0.131013	1.238198
64	463	Other educational services	1.000000	0.080106	0.157652	1.237758
65	35	New residential additions and alterations-all	1.000000	0.150694	0.085737	1.236430
66	428	Insurance agencies- brokerages- and related	1.000000	0.078420	0.155986	1.234407
67	44	Maintenance and repair of highways- streets-	1.000000	0.080014	0.153677	1.233691
68	482	Car washes	1.000000	0.123752	0.108235	1.231987
69	41	Other new construction	1.000000	0.077742	0.154205	1.231947
70	433	Video tape and disc rental	1.000000	0.144997	0.084156	1.229153
71	481	Food services and drinking places	1.000000	0.107693	0.115399	1.223092
72	408	Clothing and clothing accessories stores	1.000000	0.095335	0.125402	1.220737
73	301	Scales- balances- and miscellaneous general p	1.000000	0.137296	0.080162	1.217458
74	487	Personal care services	1.000000	0.081291	0.134770	1.216060
75	39	Highway- street- bridge- and tunnel construct	1.000000	0.063523	0.152013	1.215536
76	271	Optical instrument and lens manufacturing	1.000000	0.131998	0.082795	1.214794
77	478	Other amusement- gambling- and recreation ind	1.000000	0.083649	0.130498	1.214147
78	13	Animal production- except cattle and poultry	1.000000	0.185111	0.028377	1.213488
79	3	Vegetable and melon farming	1.000000	0.079874	0.132528	1.212402
80	474	Promoters of performing arts and sports and a	1.000000	0.077552	0.133228	1.210781
81	283	Cutting tool and machine tool accessory manuf	1.000000	0.113060	0.097328	1.210389
82	390	Wholesale trade	1.000000	0.071548	0.136456	1.208004
83	85	Soft drink and ice manufacturing	1.000000	0.156536	0.048499	1.205035
84	407	Gasoline stations	1.000000	0.088870	0.115937	1.204807
85	247	Electroplating- anodizing- and coloring metal	1.000000	0.093098	0.108889	1.201987
86	189	Glass container manufacturing	1.000000	0.111677	0.089641	1.201319
87	40	Water- sewer- and pipeline construction	1.000000	0.067160	0.132276	1.199436
88	224	Iron and steel forging	1.000000	0.098549	0.099164	1.197712
89	413	Newspaper publishers	1.000000	0.074702	0.118656	1.193358
90	195	Other concrete product manufacturing	1.000000	0.083354	0.106888	1.190242
91	389	Buttons- pins- and all other miscellaneous ma	1.000000	0.106621	0.083233	1.189854
92	10	All other crop farming	1.000000	0.088219	0.098784	1.187002
93	2	Grain farming	1.000000	0.093045	0.093898	1.186943
94	362	Wood kitchen cabinet and countertop manufactu	1.000000	0.077577	0.108398	1.185975
95	449	Veterinary services	1.000000	0.083113	0.092974	1.176087
96	430	Monetary authorities and depository credit in	1.000000	0.077867	0.090777	1.168644
97	241	Hardware manufacturing	1.000000	0.075190	0.089919	1.165109
98	1	Oilseed farming	1.000000	0.067264	0.097005	1.164269
99	276	Industrial and commercial fan and blower manu	1.000000	0.089058	0.073157	1.162215
100	498	State and local government electric utilities	1.000000	0.073151	0.089037	1.162188
101	412	Nonstore retailers	1.000000	0.078337	0.083724	1.162061
102	77	Tortilla manufacturing	1.000000	0.068802	0.090519	1.159322
103	422	Telecommunications	1.000000	0.089561	0.067519	1.157080
104	177	Plastics plumbing fixtures and all other plas	1.000000	0.067104	0.089296	1.156399

Rank	IMPLAN Sector	Industry	Direct Effects	Indirect Effects	Induced Effects	Total
105	24	Stone mining and quarrying	1.000000	0.039226	0.117129	1.156355
106	443	Other computer related services- including fa	1.000000	0.021098	0.130721	1.151819
107	431	Real estate	1.000000	0.074958	0.072964	1.147922
108	278	AC- refrigeration- and forced air heating	1.000000	0.085723	0.058640	1.144363
109	126	Paperboard container manufacturing	1.000000	0.059932	0.077853	1.137785
110	12	Poultry and egg production	1.000000	0.073544	0.058370	1.131915
111	161	Paint and coating manufacturing	1.000000	0.075849	0.054380	1.130230
112	175	Plastics bottle manufacturing	1.000000	0.065672	0.062322	1.127995
113	178	Foam product manufacturing	1.000000	0.058130	0.067584	1.125714
114	30	Power generation and supply	1.000000	0.041551	0.076585	1.118136
115	46	Dog and cat food manufacturing	1.000000	0.064172	0.023502	1.087674
116	31	Natural gas distribution	1.000000	0.018856	0.045327	1.064183
117	509	Owner-occupied dwellings	1.000000	0.053173	0.006743	1.059916
118	508	Inventory valuation adjustment	1.000000	0.000000	0.000000	1.000000

Source: IMPLAN data, 2004

Appendix 6: Employment Multipliers of Industries in Jay County (2004)

Rank	IMPLAN Sector	Industry	Direct Effects*	Indirect Effects*	Induced Effects*	Total*	Multiplier [@]
1	450	All other miscellaneous professional and tech	3.438	3.525	0.563	7.526	2.189
2	10	All other crop farming	2.448	1.554	1.213	5.214	2.130
3	427	Insurance carriers	5.281	4.352	1.366	10.998	2.083
4	12	Poultry and egg production	1.251	0.535	0.717	2.503	2.000
5	85	Soft drink and ice manufacturing	1.904	1.180	0.596	3.680	1.933
6	46	Dog and cat food manufacturing	1.059	0.683	0.289	2.031	1.918
7	161	Paint and coating manufacturing	1.622	0.735	0.668	3.024	1.865
8	391	Air transportation	4.934	2.700	1.505	9.138	1.852
9	3	Vegetable and melon farming	3.805	1.550	1.627	6.983	1.835
10	30	Power generation and supply	1.969	0.631	0.940	3.540	1.798
11	4	Tree nut farming	5.582	2.344	1.754	9.681	1.734
12	11	Cattle ranching and farming	5.279	3.430	0.435	9.145	1.732
13	350	Motor vehicle parts manufacturing	3.287	1.250	0.829	5.366	1.632
14	466	Other ambulatory health care services	5.586	1.562	1.957	9.104	1.630
15	189	Glass container manufacturing	3.566	1.129	1.101	5.796	1.625
16	6	Greenhouse and nursery production	5.331	1.136	2.080	8.547	1.603
17	498	State and local government electric utilities	3.869	1.102	1.093	6.065	1.567
18	499	Other State and local government enterprises	5.767	1.969	1.280	9.016	1.563
19	35	New residential additions and alterations-all	6.114	2.353	1.053	9.519	1.557
20	31	Natural gas distribution	1.514	0.189	0.557	2.260	1.492
21	451	Management of companies and enterprises	7.211	1.420	1.895	10.525	1.460
22	224	Iron and steel forging	4.652	0.917	1.218	6.787	1.459
23	24	Stone mining and quarrying	4.150	0.455	1.438	6.043	1.456
24	126	Paperboard container manufacturing	3.523	0.649	0.956	5.128	1.455
25	422	Telecommunications	4.128	1.042	0.829	5.999	1.453
26	278	AC- refrigeration- and forced air heating	3.721	0.931	0.720	5.372	1.444
27	460	Waste management and remediation services	6.922	1.596	1.368	9.886	1.428
28	33	New residential 1-unit structures- all	8.931	2.354	1.463	12.749	1.427
29	418	Motion picture and video industries	8.973	3.195	0.566	12.735	1.419
30	241	Hardware manufacturing	4.552	0.797	1.104	6.453	1.418
31	301	Scales- balances- and miscellaneous general p	5.418	1.251	0.984	7.653	1.413
32	420	Radio and television broadcasting	7.437	2.031	1.017	10.484	1.410
33	175	Plastics bottle manufacturing	3.726	0.725	0.765	5.216	1.400
34	247	Electroplating- anodizing- and coloring metal	6.035	0.983	1.337	8.355	1.385
35	456	Travel arrangement and reservation services	10.111	2.558	1.310	13.979	1.383
36	506	Federal Non-Military	8.889	-	3.355	12.244	1.377
37	271	Optical instrument and lens manufacturing	6.224	1.293	1.017	8.534	1.371
38	437	Legal services	9.857	1.210	2.360	13.426	1.362
39	42	Maintenance and repair of farm and nonfarm re	8.952	1.737	1.434	12.124	1.354
40	426	Securities- commodity contracts- investments	14.309	3.548	1.356	19.213	1.343
41	394	Truck transportation	9.120	1.542	1.580	12.243	1.342
42	444	Management consulting services	15.144	3.264	1.855	20.263	1.338
43	243	Machine shops	9.028	1.153	1.857	12.038	1.333
44	178	Foam product manufacturing	4.437	0.623	0.830	5.890	1.327
45	177	Plastics plumbing fixtures and all other plas	5.547	0.686	1.097	7.330	1.321
46	77	Tortilla manufacturing	5.753	0.722	1.112	7.586	1.319
47	195	Other concrete product manufacturing	6.941	0.895	1.313	9.149	1.318
48	43	Maintenance and repair of nonresidential buil	11.665	1.903	1.793	15.361	1.317
49	465	Offices of physicians- dentists- and other he	12.981	1.214	2.650	16.845	1.298
50	390	Wholesale trade	9.114	1.031	1.676	11.821	1.297

Rank	IMPLAN Sector	Industry	Direct Effects*	Indirect Effects*	Induced Effects*	Total*	Multiplier [@]
51	282	Special tool- die- jig- and fixture manufactu	10.464	1.341	1.765	13.570	1.297
52	425	Nondepository credit intermediation and rela	11.908	1.707	1.733	15.348	1.289
53	497	State and local government passenger transit	16.409	0.773	3.881	21.064	1.284
54	1	Oilseed farming	8.353	1.140	1.191	10.684	1.279
55	439	Architectural and engineering services	15.911	2.307	1.870	20.088	1.263
56	362	Wood kitchen cabinet and countertop manufactu	8.297	0.745	1.331	10.373	1.250
57	283	Cutting tool and machine tool accessory manuf	9.845	1.231	1.195	12.271	1.246
58	41	Other new construction	12.630	1.203	1.893	15.726	1.245
59	276	Industrial and commercial fan and blower manu	7.593	0.942	0.898	9.433	1.242
60	40	Water- sewer- and pipeline construction	10.774	0.966	1.624	13.364	1.240
61	430	Monetary authorities and depository credit in	9.442	1.143	1.115	11.700	1.239
62	44	Maintenance and repair of highways- streets-	12.493	1.071	1.887	15.452	1.237
63	435	General and consumer goods rental except vide	19.020	2.013	2.441	23.473	1.234
64	38	Commercial and institutional buildings	14.041	1.229	2.053	17.323	1.234
65	438	Accounting and bookkeeping services	18.464	2.442	1.844	22.751	1.232
66	492	Grantmaking and giving and social advocacy or	33.727	3.059	4.463	41.250	1.223
67	39	Highway- street- bridge- and tunnel construct	12.449	0.861	1.866	15.176	1.219
68	34	New multifamily housing structures- all	16.542	1.191	2.394	20.127	1.217
69	401	Motor vehicle and parts dealers	15.693	1.558	1.797	19.048	1.214
70	398	Postal service	18.277	0.717	3.185	22.180	1.214
71	480	Other accommodations	14.177	2.138	0.858	17.173	1.211
72	45	Other maintenance and repair construction	16.882	1.032	2.523	20.437	1.211
73	428	Insurance agencies- brokerages- and related	14.992	1.187	1.915	18.094	1.207
74	431	Real estate	9.944	1.160	0.896	11.999	1.207
75	403	Electronics and appliance stores	16.535	0.909	2.493	19.936	1.206
76	2	Grain farming	14.324	1.775	1.153	17.252	1.204
77	406	Health and personal care stores	16.583	1.350	2.007	19.939	1.202
78	458	Services to buildings and dwellings	22.896	2.724	1.840	27.460	1.199
79	468	Nursing and residential care facilities	24.635	2.227	2.609	29.471	1.196
80	413	Newspaper publishers	12.000	0.858	1.457	14.315	1.193
81	483	Automotive repair and maintenance- except car	17.946	1.869	1.589	21.403	1.193
82	402	Furniture and home furnishings stores	15.825	1.436	1.609	18.870	1.192
83	463	Other educational services	17.893	1.430	1.936	21.259	1.188
84	389	Buttons- pins- and all other miscellaneous ma	11.943	1.186	1.022	14.151	1.185
85	479	Hotels and motels- including casino hotels	16.695	1.257	1.795	19.747	1.183
86	37	Manufacturing and industrial buildings	16.698	0.617	2.408	19.723	1.181
87	441	Custom computer programming services	35.951	3.324	2.675	41.949	1.167
88	405	Food and beverage stores	19.908	1.397	1.924	23.229	1.167
89	404	Building material and garden supply stores	19.400	1.698	1.521	22.620	1.166
90	488	Death care services	20.835	1.382	1.998	24.215	1.162
91	384	Sign manufacturing	16.506	1.198	1.449	19.153	1.160
92	470	Social assistance- except child day care serv	25.015	1.026	2.917	28.959	1.158
93	493	Civic- social- professional and similar organ	31.440	2.154	2.752	36.345	1.156
94	504	State & Local Non-Education	23.751	-	3.633	27.385	1.153
95	408	Clothing and clothing accessories stores	18.615	1.278	1.540	21.432	1.151
96	503	State & Local Education	24.589	-	3.715	28.304	1.151
97	410	General merchandise stores	22.273	1.558	1.760	25.591	1.149
98	18	Agriculture and forestry support activities	29.117	0.980	3.230	33.327	1.145
99	407	Gasoline stations	19.774	1.191	1.424	22.389	1.132
100	13	Animal production- except cattle and poultry	22.581	2.447	0.348	25.377	1.124
101	487	Personal care services	26.682	1.309	1.655	29.646	1.111
102	481	Food services and drinking places	23.501	1.144	1.417	26.062	1.109
103	433	Video tape and disc rental	25.437	1.696	1.033	28.167	1.107
104	400	Warehousing and storage	28.085	1.078	1.916	31.078	1.107

Rank	IMPLAN Sector	Industry	Direct Effects*	Indirect Effects*	Induced Effects*	Total*	Multiplier [@]
105	449	Veterinary services	23.190	1.255	1.142	25.586	1.103
106	478	Other amusement- gambling- and recreation ind	26.719	1.100	1.602	29.421	1.101
107	409	Sporting goods- hobby- book and music stores	32.990	1.499	1.770	36.259	1.099
108	477	Bowling centers	33.865	1.911	1.334	37.110	1.096
109	454	Employment services	47.486	0.706	3.651	51.843	1.092
110	474	Promoters of performing arts and sports and a	52.427	2.882	1.636	56.945	1.086
111	476	Fitness and recreational sports centers	42.386	1.806	1.709	45.900	1.083
112	411	Miscellaneous store retailers	50.682	0.857	2.252	53.791	1.061
113	443	Other computer related services- including fa	35.984	0.502	1.605	38.092	1.059
114	482	Car washes	76.368	1.808	1.329	79.505	1.041
115	412	Nonstore retailers	51.981	1.050	1.028	54.059	1.040
116	494	Private households	2,611.17	-	4.173	2,615.35	1.002

Note: * Workers per one million dollars of output

[@] Type SAM multiplier = (Direct + Indirect + Induced)/Direct

Source: IMPLAN data, 2004

Appendix 7: Jay County's Hog Industry Output Impacts (2004)

Unit: 2004 Dollars							
Rank	Sec- tor	Industry	Direct	Indirect	Induced	Total	Deflator
1	13	Animal production- except cattle and poultry and e	19,945,806	881,518	473	20,827,798	1.00
2	10	All other crop farming	0	1,016,576	73	1,016,649	1.00
3	18	Agriculture and forestry support activities	0	405,599	168	405,767	1.00
4	2	Grain farming	0	217,578	368	217,946	1.00
5	390	Wholesale trade	0	170,970	13,938	184,908	1.00
6	509	Owner-occupied dwellings	0	0	154,383	154,383	1.00
7	431	Real estate	0	141,060	8,473	149,533	1.00
8	394	Truck transportation	0	125,832	3,854	129,685	1.00
9	430	Monetary authorities and depository credit interme	0	87,513	23,140	110,653	1.00
10	1	Oilseed farming	0	80,029	548	80,577	1.00
11	481	Food services and drinking places	0	9,527	67,262	76,789	1.00
12	483	Automotive repair and maintenance- except car wa	0	49,242	19,938	69,180	1.00
13	11	Cattle ranching and farming	0	65,589	276	65,866	1.00
14	350	Motor vehicle parts manufacturing	0	61,217	4,053	65,270	1.00
15	465	Offices of physicians- dentists- and other health	0	0	52,243	52,243	1.00
16	30	Power generation and supply	0	47,713	3,482	51,196	1.00
17	43	Maintenance and repair of nonresidential buildings	0	48,084	1,179	49,263	1.00
18	499	Other State and local government enterprises	0	39,911	8,655	48,566	1.00
19	460	Waste management and remediation services	0	32,021	1,524	33,544	1.00
20	493	Civic- social- professional and similar organizati	0	19,959	6,274	26,233	1.00
21	438	Accounting and bookkeeping services	0	23,821	2,020	25,842	1.00
22	427	Insurance carriers	0	18,512	4,839	23,351	1.00
23	401	Motor vehicle and parts dealers	0	3,158	18,178	21,336	1.00
24	468	Nursing and residential care facilities	0	0	19,369	19,369	1.00
25	410	General merchandise stores	0	4,031	14,631	18,663	1.00
26	466	Other ambulatory health care services	0	167	17,468	17,635	1.00
27	6	Greenhouse and nursery production	0	14,579	603	15,182	1.00
28	437	Legal services	0	9,522	5,628	15,150	1.00
29	405	Food and beverage stores	0	2,459	12,594	15,053	1.00
30	420	Radio and television broadcasting	0	10,013	3,185	13,197	1.00
31	407	Gasoline stations	0	2,385	9,220	11,604	1.00
32	470	Social assistance- except child day care services	0	0	11,352	11,352	1.00
33	301	Scales- balances- and miscellaneous general purpos	0	10,984	90	11,074	1.00
34	426	Securities- commodity contracts- investments	0	3,743	7,060	10,803	1.00
35	498	State and local government electric utilities	0	9,807	661	10,468	1.00
36	449	Veterinary services	0	9,578	140	9,718	1.00
37	398	Postal service	0	6,409	2,518	8,927	1.00
38	422	Telecommunications	0	5,792	2,256	8,048	1.00
39	413	Newspaper publishers	0	5,652	1,805	7,457	1.00
40	77	Tortilla manufacturing	0	188	5,761	5,948	1.00
41	428	Insurance agencies- brokerages- and related	0	4,563	1,193	5,756	1.00
42	31	Natural gas distribution	0	1,386	4,137	5,523	1.00
43	411	Miscellaneous store retailers	0	684	4,606	5,291	1.00
44	177	Plastics plumbing fixtures and all other plastics	0	3,261	1,973	5,234	1.00
45	406	Health and personal care stores	0	1,202	3,768	4,970	1.00
46	45	Other maintenance and repair construction	0	4,100	652	4,752	1.00
47	400	Warehousing and storage	0	4,556	38	4,594	1.00
48	454	Employment services	0	2,761	1,679	4,440	1.00

Rank	Sec- tor	Industry	Direct	Indirect	Induced	Total	Deflator
49	412	Nonstore retailers	0	1,482	2,566	4,048	1.00
50	403	Electronics and appliance stores	0	896	3,097	3,993	1.00
51	391	Air transportation	0	2,197	1,502	3,700	1.00
52	451	Management of companies and enterprises	0	2,086	1,208	3,294	1.00
53	404	Building material and garden supply stores	0	641	2,566	3,207	1.00
54	479	Hotels and motels- including casino hotels	0	1,876	1,291	3,167	1.00
55	478	Other amusement- gambling- and recreation indust	0	152	2,911	3,063	1.00
56	243	Machine shops	0	2,830	134	2,964	1.00
57	42	Maintenance and repair of farm and nonfarm reside	0	912	1,995	2,908	1.00
58	425	Nondepository credit intermediation and related a	0	2,257	523	2,780	1.00
59	3	Vegetable and melon farming	0	1,736	679	2,415	1.00
60	435	General and consumer goods rental except video ta	0	1,110	1,255	2,366	1.00
61	458	Services to buildings and dwellings	0	1,244	1,066	2,310	1.00
62	488	Death care services	0	0	2,069	2,069	1.00
63	178	Foam product manufacturing	0	808	1,057	1,866	1.00
64	362	Wood kitchen cabinet and countertop manufacturin	0	943	762	1,704	1.00
65	474	Promoters of performing arts and sports and agents	0	607	991	1,598	1.00
66	444	Management consulting services	0	1,066	398	1,464	1.00
67	433	Video tape and disc rental	0	1	1,461	1,463	1.00
68	418	Motion picture and video industries	0	593	858	1,450	1.00
69	409	Sporting goods- hobby- book and music stores	0	122	1,265	1,387	1.00
70	456	Travel arrangement and reservation services	0	263	1,086	1,348	1.00
71	476	Fitness and recreational sports centers	0	500	826	1,326	1.00
72	487	Personal care services	0	0	1,225	1,225	1.00
73	402	Furniture and home furnishings stores	0	231	951	1,182	1.00
74	439	Architectural and engineering services	0	1,059	72	1,131	1.00
75	450	All other miscellaneous professional and technical	0	977	124	1,100	1.00
76	12	Poultry and egg production	0	17	802	819	1.00
77	408	Clothing and clothing accessories stores	0	157	589	746	1.00
78	463	Other educational services	0	20	557	578	1.00
79	384	Sign manufacturing	0	412	109	521	1.00
80	85	Soft drink and ice manufacturing	0	20	409	429	1.00
81	477	Bowling centers	0	0	424	424	1.00
82	497	State and local government passenger transit	0	89	283	372	1.00
83	480	Other accommodations	0	86	285	371	1.00
84	224	Iron and steel forging	0	335	22	357	1.00
85	492	Grantmaking and giving and social advocacy organ	0	0	335	335	1.00
86	175	Plastics bottle manufacturing	0	173	129	302	1.00
87	282	Special tool- die- jig- and fixture manufacturing	0	248	18	266	1.00
88	389	Buttons- pins- and all other miscellaneous manufac	0	179	21	200	1.00
89	24	Stone mining and quarrying	0	126	29	155	1.00
90	482	Car washes	0	32	100	132	1.00
91	241	Hardware manufacturing	0	106	26	132	1.00
92	247	Electroplating- anodizing- and coloring metal	0	108	20	128	1.00
93	126	Paperboard container manufacturing	0	49	34	83	1.00
94	46	Dog and cat food manufacturing	0	49	32	81	1.00
95	189	Glass container manufacturing	0	24	40	64	1.00
96	443	Other computer related services- including facilit	0	51	13	64	1.00
97	271	Optical instrument and lens manufacturing	0	23	17	39	1.00
98	283	Cutting tool and machine tool accessory manufactu	0	32	4	36	1.00
99	494	Private households	0	0	28	28	1.00
100	195	Other concrete product manufacturing	0	2	6	8	1.00

Rank	Sec- tor	Industry	Direct	Indirect	Induced	Total	Deflator
101	441	Custom computer programming services	0	5	1	6	1.00
102	276	Industrial and commercial fan and blower manufac	0	4	0	4	1.00
103	161	Paint and coating manufacturing	0	2	0	2	1.00
104	4	Tree nut farming	0	2	0	2	1.00
		Total	19,945,806	3,692,191	566,000	24,203,998	

Source: IMPLAN Model, 2004 data

Appendix 8: Jay County's Hog Industry Employment Impacts (2004)

Unit: Number of jobs						
Rank	Sec- tor	Industry	Direct	Indirect	Induced	Total
1	13	Animal production- except cattle and poultry and e	450.4	19.9	0.0	470.3
2	18	Agriculture and forestry support activities	0.0	11.8	0.0	11.8
3	2	Grain farming	0.0	3.1	0.0	3.1
4	10	All other crop farming	0.0	2.5	0.0	2.5
5	481	Food services and drinking places	0.0	0.2	1.6	1.8
6	390	Wholesale trade	0.0	1.6	0.1	1.7
7	431	Real estate	0.0	1.4	0.1	1.5
8	483	Automotive repair and maintenance- except car wash	0.0	0.9	0.4	1.2
9	394	Truck transportation	0.0	1.1	0.0	1.2
10	430	Monetary authorities and depository credit interme	0.0	0.8	0.2	1.0
11	493	Civic- social- professional and similar organizati	0.0	0.6	0.2	0.8
12	465	Offices of physicians- dentists- and other health	0.0	0.0	0.7	0.7
13	1	Oilseed farming	0.0	0.7	0.0	0.7
14	43	Maintenance and repair of nonresidential buildings	0.0	0.6	0.0	0.6
15	438	Accounting and bookkeeping services	0.0	0.4	0.0	0.5
16	468	Nursing and residential care facilities	0.0	0.0	0.5	0.5
17	410	General merchandise stores	0.0	0.1	0.3	0.4
18	11	Cattle ranching and farming	0.0	0.3	0.0	0.3
19	401	Motor vehicle and parts dealers	0.0	0.0	0.3	0.3
20	405	Food and beverage stores	0.0	0.0	0.3	0.3
21	470	Social assistance- except child day care services	0.0	0.0	0.3	0.3
22	499	Other State and local government enterprises	0.0	0.2	0.0	0.3
23	411	Miscellaneous store retailers	0.0	0.0	0.2	0.3
24	460	Waste management and remediation services	0.0	0.2	0.0	0.2
25	407	Gasoline stations	0.0	0.0	0.2	0.2
26	449	Veterinary services	0.0	0.2	0.0	0.2
27	350	Motor vehicle parts manufacturing	0.0	0.2	0.0	0.2
28	454	Employment services	0.0	0.1	0.1	0.2
29	412	Nonstore retailers	0.0	0.1	0.1	0.2
30	398	Postal service	0.0	0.1	0.0	0.2
31	426	Securities- commodity contracts- investments	0.0	0.1	0.1	0.2
32	437	Legal services	0.0	0.1	0.1	0.1
33	400	Warehousing and storage	0.0	0.1	0.0	0.1
34	427	Insurance carriers	0.0	0.1	0.0	0.1
35	30	Power generation and supply	0.0	0.1	0.0	0.1
36	466	Other ambulatory health care services	0.0	0.0	0.1	0.1
37	420	Radio and television broadcasting	0.0	0.1	0.0	0.1
38	413	Newspaper publishers	0.0	0.1	0.0	0.1
39	428	Insurance agencies- brokerages- and related	0.0	0.1	0.0	0.1
40	474	Promoters of performing arts and sports and agents	0.0	0.0	0.1	0.1
41	406	Health and personal care stores	0.0	0.0	0.1	0.1
42	478	Other amusement- gambling- and recreation industri	0.0	0.0	0.1	0.1
43	6	Greenhouse and nursery production	0.0	0.1	0.0	0.1
44	45	Other maintenance and repair construction	0.0	0.1	0.0	0.1
45	494	Private households	0.0	0.0	0.1	0.1
46	403	Electronics and appliance stores	0.0	0.0	0.1	0.1
47	404	Building material and garden supply stores	0.0	0.0	0.0	0.1
48	301	Scales- balances- and miscellaneous general purpos	0.0	0.1	0.0	0.1

Rank	Sec- tor	Industry	Direct	Indirect	Induced	Total
49	476	Fitness and recreational sports centers	0.0	0.0	0.0	0.1
50	458	Services to buildings and dwellings	0.0	0.0	0.0	0.1
51	479	Hotels and motels- including casino hotels	0.0	0.0	0.0	0.1
52	409	Sporting goods- hobby- book and music stores	0.0	0.0	0.0	0.0
53	435	General and consumer goods rental except video tap	0.0	0.0	0.0	0.0
54	488	Death care services	0.0	0.0	0.0	0.0
55	498	State and local government electric utilities	0.0	0.0	0.0	0.0
56	433	Video tape and disc rental	0.0	0.0	0.0	0.0
57	77	Tortilla manufacturing	0.0	0.0	0.0	0.0
58	422	Telecommunications	0.0	0.0	0.0	0.0
59	425	Nondepository credit intermediation and related a	0.0	0.0	0.0	0.0
60	487	Personal care services	0.0	0.0	0.0	0.0
61	177	Plastics plumbing fixtures and all other plastics	0.0	0.0	0.0	0.0
62	243	Machine shops	0.0	0.0	0.0	0.0
63	42	Maintenance and repair of farm and nonfarm residen	0.0	0.0	0.0	0.0
64	451	Management of companies and enterprises	0.0	0.0	0.0	0.0
65	444	Management consulting services	0.0	0.0	0.0	0.0
66	402	Furniture and home furnishings stores	0.0	0.0	0.0	0.0
67	391	Air transportation	0.0	0.0	0.0	0.0
68	439	Architectural and engineering services	0.0	0.0	0.0	0.0
69	477	Bowling centers	0.0	0.0	0.0	0.0
70	362	Wood kitchen cabinet and countertop manufacturing	0.0	0.0	0.0	0.0
71	408	Clothing and clothing accessories stores	0.0	0.0	0.0	0.0
72	456	Travel arrangement and reservation services	0.0	0.0	0.0	0.0
73	418	Motion picture and video industries	0.0	0.0	0.0	0.0
74	492	Grantmaking and giving and social advocacy organiz	0.0	0.0	0.0	0.0
75	463	Other educational services	0.0	0.0	0.0	0.0
76	482	Car washes	0.0	0.0	0.0	0.0
77	3	Vegetable and melon farming	0.0	0.0	0.0	0.0
78	384	Sign manufacturing	0.0	0.0	0.0	0.0
79	31	Natural gas distribution	0.0	0.0	0.0	0.0
80	178	Foam product manufacturing	0.0	0.0	0.0	0.0
81	497	State and local government passenger transit	0.0	0.0	0.0	0.0
82	480	Other accommodations	0.0	0.0	0.0	0.0
83	450	All other miscellaneous professional and technical	0.0	0.0	0.0	0.0
84	282	Special tool- die- jig- and fixture manufacturing	0.0	0.0	0.0	0.0
85	389	Buttons- pins- and all other miscellaneous manufac	0.0	0.0	0.0	0.0
86	443	Other computer related services- including facilit	0.0	0.0	0.0	0.0
87	224	Iron and steel forging	0.0	0.0	0.0	0.0
88	175	Plastics bottle manufacturing	0.0	0.0	0.0	0.0
89	12	Poultry and egg production	0.0	0.0	0.0	0.0
90	85	Soft drink and ice manufacturing	0.0	0.0	0.0	0.0
91	247	Electroplating- anodizing- and coloring metal	0.0	0.0	0.0	0.0
92	24	Stone mining and quarrying	0.0	0.0	0.0	0.0
93	241	Hardware manufacturing	0.0	0.0	0.0	0.0
94	283	Cutting tool and machine tool accessory manufactur	0.0	0.0	0.0	0.0
95	126	Paperboard container manufacturing	0.0	0.0	0.0	0.0
96	271	Optical instrument and lens manufacturing	0.0	0.0	0.0	0.0
97	189	Glass container manufacturing	0.0	0.0	0.0	0.0
98	441	Custom computer programming services	0.0	0.0	0.0	0.0
99	46	Dog and cat food manufacturing	0.0	0.0	0.0	0.0
100	195	Other concrete product manufacturing	0.0	0.0	0.0	0.0

Rank	Sec- tor	Industry	Direct	Indirect	Induced	Total
101	276	Industrial and commercial fan and blower manufactu	0.0	0.0	0.0	0.0
102	4	Tree nut farming	0.0	0.0	0.0	0.0
103	161	Paint and coating manufacturing	0.0	0.0	0.0	0.0
104	278	AC- refrigeration- and forced air heating	0.0	0.0	0.0	0.0
		Total	450.4	48.8	7.0	506.2

Notes: Employment includes full-time and part-time employees, and proprietors.

Source: IMPLAN data, 2004

Appendix 9: Jay County's Hog Industry Output Impacts (2007 Estimate)

Unit: 2007 Dollars

Rank	Sec- tor	Industry	Direct	Indirect	Induced	Total	Deflator
1	13	Animal production- except cattle and poultry and e	38,471,204	1,700,262	913	40,172,380	1.04
2	10	All other crop farming	0	1,960,758	141	1,960,899	1.04
3	18	Agriculture and forestry support activities	0	808,424	335	808,759	1.07
4	2	Grain farming	0	419,662	710	420,372	1.04
5	390	Wholesale trade	0	340,983	27,797	368,780	1.07
6	431	Real estate	0	281,245	16,893	298,139	1.07
7	509	Owner-occupied dwellings	0	0	271,011	271,011	0.94
8	394	Truck transportation	0	244,622	7,491	252,113	1.05
9	430	Monetary authorities and depository credit interme	0	173,305	45,825	219,130	1.06
10	1	Oilseed farming	0	154,359	1,056	155,415	1.04
11	481	Food services and drinking places	0	18,969	133,920	152,889	1.07
12	483	Automotive repair and maintenance- except car wa	0	97,830	39,612	137,442	1.07
13	350	Motor vehicle parts manufacturing	0	123,887	8,202	132,089	1.09
14	11	Cattle ranching and farming	0	126,508	533	127,041	1.04
15	465	Offices of physicians- dentists- and other health	0	0	109,018	109,018	1.12
16	30	Power generation and supply	0	95,398	6,963	102,361	1.07
17	499	Other State and local government enterprises	0	81,312	17,632	98,944	1.10
18	43	Maintenance and repair of nonresidential buildings	0	93,870	2,302	96,172	1.05
19	460	Waste management and remediation services	0	62,108	2,955	65,064	1.04
20	438	Accounting and bookkeeping services	0	48,733	4,133	52,866	1.10
21	493	Civic- social- professional and similar organizati	0	38,655	12,152	50,807	1.04
22	427	Insurance carriers	0	38,034	9,943	47,977	1.10
23	401	Motor vehicle and parts dealers	0	6,408	36,885	43,292	1.09
24	468	Nursing and residential care facilities	0	0	38,058	38,058	1.06
25	410	General merchandise stores	0	8,180	29,688	37,868	1.09
26	466	Other ambulatory health care services	0	337	35,266	35,603	1.09
27	437	Legal services	0	19,391	11,461	30,852	1.09
28	405	Food and beverage stores	0	4,989	25,554	30,543	1.09
29	6	Greenhouse and nursery production	0	28,121	1,163	29,283	1.04
30	420	Radio and television broadcasting	0	20,202	6,425	26,627	1.08
31	470	Social assistance- except child day care services	0	0	24,455	24,455	1.16
32	407	Gasoline stations	0	4,839	18,707	23,546	1.09
33	498	State and local government electric utilities	0	21,219	1,430	22,649	1.16
34	426	Securities- commodity contracts- investments	0	7,660	14,449	22,109	1.10
35	301	Scales- balances- and miscellaneous general purpos	0	21,873	180	22,053	1.07
36	449	Veterinary services	0	18,835	274	19,109	1.06
37	398	Postal service	0	13,045	5,124	18,169	1.09
38	422	Telecommunications	0	11,366	4,426	15,793	1.05
39	413	Newspaper publishers	0	11,423	3,648	15,071	1.09
40	77	Tortilla manufacturing	0	377	11,572	11,949	1.08
41	428	Insurance agencies- brokerages- and related	0	9,029	2,360	11,389	1.06
42	31	Natural gas distribution	0	2,748	8,205	10,953	1.07
43	411	Miscellaneous store retailers	0	1,389	9,346	10,735	1.09
44	177	Plastics plumbing fixtures and all other plastics	0	6,513	3,942	10,455	1.07
45	406	Health and personal care stores	0	2,440	7,645	10,084	1.09
46	45	Other maintenance and repair construction	0	8,005	1,273	9,278	1.05
47	454	Employment services	0	5,598	3,404	9,002	1.09
48	400	Warehousing and storage	0	8,729	73	8,802	1.03

Rank	Sec- tor	Industry	Direct	Indirect	Induced	Total	Deflator
49	412	Nonstore retailers	0	3,008	5,207	8,215	1.09
50	403	Electronics and appliance stores	0	1,818	6,284	8,102	1.09
51	391	Air transportation	0	4,400	3,008	7,409	1.08
52	451	Management of companies and enterprises	0	4,384	2,538	6,922	1.13
53	404	Building material and garden supply stores	0	1,301	5,206	6,507	1.09
54	479	Hotels and motels- including casino hotels	0	3,814	2,625	6,439	1.09
55	478	Other amusement- gambling- and recreation indust	0	296	5,673	5,968	1.05
56	243	Machine shops	0	5,600	265	5,865	1.06
57	42	Maintenance and repair of farm and nonfarm reside	0	1,781	3,895	5,677	1.05
58	425	Nondepository credit intermediation and related a	0	4,423	1,026	5,449	1.05
59	435	General and consumer goods rental except video ta	0	2,198	2,486	4,683	1.06
60	3	Vegetable and melon farming	0	3,349	1,310	4,659	1.04
61	458	Services to buildings and dwellings	0	2,440	2,092	4,531	1.05
62	488	Death care services	0	0	4,171	4,171	1.08
63	178	Foam product manufacturing	0	1,615	2,112	3,727	1.07
64	362	Wood kitchen cabinet and countertop manufacturin	0	1,858	1,501	3,359	1.06
65	474	Promoters of performing arts and sports and agents	0	1,185	1,936	3,121	1.05
66	418	Motion picture and video industries	0	1,255	1,816	3,070	1.14
67	444	Management consulting services	0	2,110	789	2,899	1.06
68	433	Video tape and disc rental	0	3	2,893	2,896	1.06
69	409	Sporting goods- hobby- book and music stores	0	247	2,567	2,814	1.09
70	456	Travel arrangement and reservation services	0	536	2,216	2,751	1.10
71	476	Fitness and recreational sports centers	0	975	1,609	2,584	1.05
72	487	Personal care services	0	0	2,424	2,424	1.06
73	402	Furniture and home furnishings stores	0	468	1,930	2,398	1.09
74	439	Architectural and engineering services	0	2,114	144	2,258	1.07
75	450	All other miscellaneous professional and technical	0	1,921	243	2,164	1.06
76	12	Poultry and egg production	0	32	1,548	1,580	1.04
77	408	Clothing and clothing accessories stores	0	319	1,195	1,514	1.09
78	463	Other educational services	0	40	1,117	1,158	1.08
79	384	Sign manufacturing	0	822	218	1,040	1.07
80	85	Soft drink and ice manufacturing	0	40	806	846	1.06
81	477	Bowling centers	0	0	825	825	1.05
82	497	State and local government passenger transit	0	185	588	772	1.12
83	480	Other accommodations	0	169	561	730	1.06
84	224	Iron and steel forging	0	672	44	717	1.08
85	492	Grantmaking and giving and social advocacy organ	0	0	664	664	1.06
86	175	Plastics bottle manufacturing	0	345	258	603	1.07
87	282	Special tool- die- jig- and fixture manufacturing	0	500	36	536	1.08
88	389	Buttons- pins- and all other miscellaneous manufac	0	357	41	399	1.07
89	24	Stone mining and quarrying	0	252	58	310	1.07
90	482	Car washes	0	63	199	262	1.07
91	241	Hardware manufacturing	0	209	51	260	1.06
92	247	Electroplating- anodizing- and coloring metal	0	214	39	253	1.06
93	46	Dog and cat food manufacturing	0	100	66	167	1.10
94	126	Paperboard container manufacturing	0	98	68	166	1.08
95	189	Glass container manufacturing	0	48	81	129	1.08
96	443	Other computer related services- including facilit	0	101	25	126	1.06
97	271	Optical instrument and lens manufacturing	0	45	32	77	1.05
98	283	Cutting tool and machine tool accessory manufactu	0	65	8	73	1.08
99	494	Private households	0	0	54	54	1.04
100	195	Other concrete product manufacturing	0	3	12	15	1.04

Rank	Sec- tor	Industry	Direct	Indirect	Induced	Total	Deflator
101	441	Custom computer programming services	0	9	2	11	1.06
102	276	Industrial and commercial fan and blower manufact	0	7	0	7	1.07
103	161	Paint and coating manufacturing	0	3	1	4	1.07
104	4	Tree nut farming	0	3	0	4	1.04
105	278	AC- refrigeration- and forced air heating	0	0	0	0	1.07
		Total	38,471,204	7,209,441	1,101,114	46,781,760	

Source: IMPLAN model using 2004 data, adjusted to 2007 dollars

Appendix 10: Jay County's Hog Industry Employment Impacts (2007 Estimates)

Unit: Number of jobs						
Rank	Sec- tor	Industry	Direct	Indirect	Induced	Total
1	13	Animal production- except cattle and poultry and e	837.8	37.0	0.0	874.9
2	18	Agriculture and forestry support activities	0.0	22.0	0.0	22.0
3	2	Grain farming	0.0	5.8	0.0	5.8
4	10	All other crop farming	0.0	4.6	0.0	4.6
5	481	Food services and drinking places	0.0	0.4	2.9	3.4
6	390	Wholesale trade	0.0	2.9	0.2	3.1
7	431	Real estate	0.0	2.6	0.2	2.8
8	483	Automotive repair and maintenance- except car wash	0.0	1.6	0.7	2.3
9	394	Truck transportation	0.0	2.1	0.1	2.2
10	430	Monetary authorities and depository credit interme	0.0	1.5	0.4	1.9
11	493	Civic- social- professional and similar organizati	0.0	1.2	0.4	1.5
12	465	Offices of physicians- dentists- and other health	0.0	0.0	1.3	1.3
13	1	Oilseed farming	0.0	1.2	0.0	1.3
14	43	Maintenance and repair of nonresidential buildings	0.0	1.0	0.0	1.1
15	438	Accounting and bookkeeping services	0.0	0.8	0.1	0.9
16	468	Nursing and residential care facilities	0.0	0.0	0.9	0.9
17	410	General merchandise stores	0.0	0.2	0.6	0.8
18	11	Cattle ranching and farming	0.0	0.6	0.0	0.6
19	401	Motor vehicle and parts dealers	0.0	0.1	0.5	0.6
20	405	Food and beverage stores	0.0	0.1	0.5	0.6
21	470	Social assistance- except child day care services	0.0	0.0	0.5	0.5
22	499	Other State and local government enterprises	0.0	0.4	0.1	0.5
23	411	Miscellaneous store retailers	0.0	0.1	0.4	0.5
24	460	Waste management and remediation services	0.0	0.4	0.0	0.4
25	407	Gasoline stations	0.0	0.1	0.3	0.4
26	449	Veterinary services	0.0	0.4	0.0	0.4
27	350	Motor vehicle parts manufacturing	0.0	0.4	0.0	0.4
28	454	Employment services	0.0	0.2	0.1	0.4
29	412	Nonstore retailers	0.0	0.1	0.2	0.4
30	398	Postal service	0.0	0.2	0.1	0.3
31	426	Securities- commodity contracts- investments	0.0	0.1	0.2	0.3
32	437	Legal services	0.0	0.2	0.1	0.3
33	400	Warehousing and storage	0.0	0.2	0.0	0.2
34	427	Insurance carriers	0.0	0.2	0.0	0.2
35	30	Power generation and supply	0.0	0.2	0.0	0.2
36	466	Other ambulatory health care services	0.0	0.0	0.2	0.2
37	420	Radio and television broadcasting	0.0	0.1	0.0	0.2
38	413	Newspaper publishers	0.0	0.1	0.0	0.2
39	428	Insurance agencies- brokerages- and related	0.0	0.1	0.0	0.2
40	474	Promoters of performing arts and sports and agents	0.0	0.1	0.1	0.2
41	406	Health and personal care stores	0.0	0.0	0.1	0.2
42	478	Other amusement- gambling- and recreation industri	0.0	0.0	0.1	0.2
43	6	Greenhouse and nursery production	0.0	0.1	0.0	0.2
44	45	Other maintenance and repair construction	0.0	0.1	0.0	0.1
45	494	Private households	0.0	0.0	0.1	0.1
46	403	Electronics and appliance stores	0.0	0.0	0.1	0.1
47	404	Building material and garden supply stores	0.0	0.0	0.1	0.1
48	301	Scales- balances- and miscellaneous general purpos	0.0	0.1	0.0	0.1

Rank	Sec- tor	Industry	Direct	Indirect	Induced	Total
49	476	Fitness and recreational sports centers	0.0	0.0	0.1	0.1
50	458	Services to buildings and dwellings	0.0	0.1	0.0	0.1
51	479	Hotels and motels- including casino hotels	0.0	0.1	0.0	0.1
52	409	Sporting goods- hobby- book and music stores	0.0	0.0	0.1	0.1
53	435	General and consumer goods rental except video tap	0.0	0.0	0.0	0.1
54	488	Death care services	0.0	0.0	0.1	0.1
55	498	State and local government electric utilities	0.0	0.1	0.0	0.1
56	433	Video tape and disc rental	0.0	0.0	0.1	0.1
57	77	Tortilla manufacturing	0.0	0.0	0.1	0.1
58	422	Telecommunications	0.0	0.0	0.0	0.1
59	425	Nondepository credit intermediation and related a	0.0	0.0	0.0	0.1
60	487	Personal care services	0.0	0.0	0.1	0.1
61	177	Plastics plumbing fixtures and all other plastics	0.0	0.0	0.0	0.1
62	243	Machine shops	0.0	0.0	0.0	0.0
63	42	Maintenance and repair of farm and nonfarm residen	0.0	0.0	0.0	0.0
64	451	Management of companies and enterprises	0.0	0.0	0.0	0.0
65	444	Management consulting services	0.0	0.0	0.0	0.0
66	402	Furniture and home furnishings stores	0.0	0.0	0.0	0.0
67	391	Air transportation	0.0	0.0	0.0	0.0
68	439	Architectural and engineering services	0.0	0.0	0.0	0.0
69	477	Bowling centers	0.0	0.0	0.0	0.0
70	362	Wood kitchen cabinet and countertop manufacturing	0.0	0.0	0.0	0.0
71	408	Clothing and clothing accessories stores	0.0	0.0	0.0	0.0
72	456	Travel arrangement and reservation services	0.0	0.0	0.0	0.0
73	418	Motion picture and video industries	0.0	0.0	0.0	0.0
74	492	Grantmaking and giving and social advocacy organiz	0.0	0.0	0.0	0.0
75	463	Other educational services	0.0	0.0	0.0	0.0
76	482	Car washes	0.0	0.0	0.0	0.0
77	3	Vegetable and melon farming	0.0	0.0	0.0	0.0
78	384	Sign manufacturing	0.0	0.0	0.0	0.0
79	31	Natural gas distribution	0.0	0.0	0.0	0.0
80	178	Foam product manufacturing	0.0	0.0	0.0	0.0
81	497	State and local government passenger transit	0.0	0.0	0.0	0.0
82	480	Other accommodations	0.0	0.0	0.0	0.0
83	450	All other miscellaneous professional and technical	0.0	0.0	0.0	0.0
84	282	Special tool- die- jig- and fixture manufacturing	0.0	0.0	0.0	0.0
85	389	Buttons- pins- and all other miscellaneous manufac	0.0	0.0	0.0	0.0
86	443	Other computer related services- including facilit	0.0	0.0	0.0	0.0
87	224	Iron and steel forging	0.0	0.0	0.0	0.0
88	175	Plastics bottle manufacturing	0.0	0.0	0.0	0.0
89	12	Poultry and egg production	0.0	0.0	0.0	0.0
90	85	Soft drink and ice manufacturing	0.0	0.0	0.0	0.0
91	247	Electroplating- anodizing- and coloring metal	0.0	0.0	0.0	0.0
92	24	Stone mining and quarrying	0.0	0.0	0.0	0.0
93	241	Hardware manufacturing	0.0	0.0	0.0	0.0
94	283	Cutting tool and machine tool accessory manufactur	0.0	0.0	0.0	0.0
95	126	Paperboard container manufacturing	0.0	0.0	0.0	0.0
96	271	Optical instrument and lens manufacturing	0.0	0.0	0.0	0.0
97	189	Glass container manufacturing	0.0	0.0	0.0	0.0
98	441	Custom computer programming services	0.0	0.0	0.0	0.0
99	46	Dog and cat food manufacturing	0.0	0.0	0.0	0.0
100	195	Other concrete product manufacturing	0.0	0.0	0.0	0.0

Rank	Sec- tor	Industry	Direct	Indirect	Induced	Total
101	276	Industrial and commercial fan and blower manufactu	0.0	0.0	0.0	0.0
102	4	Tree nut farming	0.0	0.0	0.0	0.0
103	161	Paint and coating manufacturing	0.0	0.0	0.0	0.0
104	278	AC- refrigeration- and forced air heating	0.0	0.0	0.0	0.0
Total			837.8	90.8	12.9	941.6

Notes: Employment includes full-time and part-time employees, and proprietors.
Source: IMPLAN model using 2004 data, adjusted to 2007 dollars

Appendix 11: List of IMPLAN Sectors

IMPLAN Sector	Industry
1	Oilseed farming
2	Grain farming
3	Vegetable and melon farming
4	Tree nut farming
6	Greenhouse and nursery production
10	All other crop farming
11	Cattle ranching and farming
12	Poultry and egg production
13	Animal production, except cattle, poultry, and eggs
18	Agriculture and forestry support activities
24	Stone mining and quarrying
30	Power generation and supply
31	Natural gas distribution
33	New residential 1-unit structures- all
34	New multifamily housing structures- all
35	New residential additions and alterations-all
37	Manufacturing and industrial buildings
38	Commercial and institutional buildings
39	Highway, street, bridge, and tunnel construct
40	Water, sewer, and pipeline construction
41	Other new construction
42	Maintenance and repair of farm and nonfarm residential structures
43	Maintenance and repair of nonresidential buildings
44	Maintenance and repair of highways, streets, bridges, and tunnels
45	Other maintenance and repair construction
46	Dog and cat food manufacturing
77	Tortilla manufacturing
85	Soft drink and ice manufacturing
126	Paperboard container manufacturing
161	Paint and coating manufacturing
175	Plastics bottle manufacturing
177	Plastics plumbing fixtures and all other plastics products
178	Foam product manufacturing
189	Glass container manufacturing
195	Other concrete product manufacturing
224	Iron and steel forging
241	Hardware manufacturing
243	Machine shops
247	Electroplating, anodizing, and coloring metal
271	Optical instrument and lens manufacturing
276	Industrial and commercial fan and blower manufacturing
278	AC, refrigeration, and forced air heating
282	Special tool, die, jig, and fixture manufacturing
283	Cutting tool and machine tool accessory manufacturing
301	Scales, balances, and miscellaneous general p
350	Motor vehicle parts manufacturing
362	Wood kitchen cabinet and countertop manufacturing
384	Sign manufacturing
389	Buttons, pins, and all other miscellaneous manufacturing

IMPLAN Sector	Industry
390	Wholesale trade
391	Air transportation
394	Truck transportation
398	Postal service
400	Warehousing and storage
401	Motor vehicle and parts dealers
402	Furniture and home furnishings stores
403	Electronics and appliance stores
404	Building material and garden supply stores
405	Food and beverage stores
406	Health and personal care stores
407	Gasoline stations
408	Clothing and clothing accessories stores
409	Sporting goods- hobby- book and music stores
410	General merchandise stores
411	Miscellaneous store retailers
412	Nonstore retailers
413	Newspaper publishers
418	Motion picture and video industries
420	Radio and television broadcasting
422	Telecommunications
425	Nondepository credit intermediation and related activities
426	Securities, commodity contracts, investments
427	Insurance carriers
428	Insurance agencies, brokerages, and related
430	Monetary authorities and depository credit intermediation
431	Real estate
433	Video tape and disc rental
435	General and consumer goods rental except video tapes and discs
437	Legal services
438	Accounting and bookkeeping services
439	Architectural and engineering services
441	Custom computer programming services
443	Other computer related services, including facilities management
444	Management consulting services
449	Veterinary services
450	All other miscellaneous professional and tech
451	Management of companies and enterprises
454	Employment services
456	Travel arrangement and reservation services
458	Services to buildings and dwellings
460	Waste management and remediation services
463	Other educational services
465	Offices of physicians, dentists, and other health practitioners
466	Other ambulatory health care services
468	Nursing and residential care facilities
470	Social assistance, except child day care services
474	Promoters of performing arts and sports and a
476	Fitness and recreational sports centers
477	Bowling centers
478	Other amusement, gambling, and recreation industries
479	Hotels and motels, including casino hotels

IMPLAN Sector	Industry
480	Other accommodations
481	Food services and drinking places
482	Car washes
483	Automotive repair and maintenance, except car washes
487	Personal care services
488	Death care services
492	Grantmaking and giving and social advocacy organizations
493	Civic, social, professional and similar organizations
494	Private households
497	State and local government passenger transit
498	State and local government electric utilities
499	Other State and local government enterprises
503	State & Local Education
504	State & Local Non-Education
506	Federal Non-Military
508	Inventory valuation adjustment
509	Owner-occupied dwellings