

REFERENCES

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APPENDICES

A. Standard Industrial Classifications, Definitions of Agribusiness

Sector List for PCIO Regional Input-Output Model

Sectors PCIO v 6.02	BEA Codes	Titles	Standard Industrial Classifications	Share of Output * Required to Meet Food and Fiber Demand	Counted as "Agribusiness", This Study?
1	10100	DAIRY FARM PRODUCTS	024	0.824327	Yes
2	10200	POULTRY AND EGGS	025	0.917355	Yes
3	10301	MEAT ANIMALS	021	0.879757	Yes
4	10302	MISCELLANEOUS LIVESTOCK	027, 029	0.387552	Yes
5	20100	COTTON	0131	0.763108	Yes
6	20201	FOOD GRAINS		0.959978	Yes
7	20202	FEED GRAINS		0.876096	Yes
8	20203	GRASS SEEDS		0.762361	Yes
9	20300	TOBACCO	0132	0.918249	Yes
10	20401	FRUITS	0171-72, 0174, 0176-79	0.948719	Yes
11	20402	TREE NUTS	0173, 0175	0.968827	Yes
12	20501	VEGETABLES	0161	0.943882	Yes
13	20502	SUGAR CROPS	0133	0.887738	Yes
14	20503	MISCELLANEOUS CROPS		0.791126	Yes
15	20600	OIL BEARING CROPS		0.946759	Yes
16	20701	FOREST PRODUCTS		0.177469	Yes
17	20702	GREENHSE & NURSERY PRODS		0.791649	Yes
18	30001	FORESTRY	800	0.183575	Yes
19	30002	FISHING, HUNTING, & TRAPPING	900	1.421347	Yes
20	40001	AG, FOREST. & FISHERY SERVICES	710, 720, 740-760	0.797946	Yes
21	40002	LANDSCAPE AND HORTICULTURAL SE	780	0.052985	Yes
22	50000	IRON & FERROALLOY ORES MINING	1010, 1060	0.136326	
23	60100	COPPER ORE MINING	1020	0.085121	
24	60200	NONFERR. MINING, EXC COPPER	1030, 1040, 1080, 1090	0.148221	
25	70000	COAL MINING	1200	0.117755	
26	80000	CRUDE PETROL. AND NATURAL GAS	1310, 1320	0.180641	
27	90001	STONE MINING AND QUARRYING	1410, 1420	0.098123	
28	90002	SAND AND GRAVEL MINING	1440	0.085821	
29	90003	CLAY AND REFRACT. MATLS MINING	1450	0.151589	
30	90004	MISC. MINERALS MINING & SERV.	1480, 1490	0.138879	
31	100000	CHEMICAL AND FERTILIZER MINING	1470	0.317612	
32	995001	GENERAL CONST. CONTRACTORS	1500	0.000000	
33	995002	HIGHWAY & STREET CONSTRUCTION	1610	0.000000	
34	995003	OTHER HEAVY CONST. CONTRACTORS	1620	0.000000	
35	995004	PLUMB/HEAT/AIR COND. CONTRCTRS	1710	0.000000	
36	995005	PAINTING, PAPERING, DECORATING	1720	0.000000	
37	995006	ELECTRICAL CONST. CONTRACTORS	1730	0.000000	
38	995007	MASONRY, DRYWALL & PLASTERING	1740	0.000000	
39	995008	CARPENTERING & FLOORING	1750	0.000000	
40	995009	ROOFING & SHEET METAL WORK	1760	0.000000	
41	995010	CONCRETE WORK	1770	0.000000	
42	995011	WATER WELL DRILLING	1780	0.000000	
43	995012	SPECIAL TRADE CONTRACTORS, NEC	1790	0.000000	
44	120100	MAINT & REP: RESIDENTIAL BLDGS		0.032176	
45	120201	MAINT & REP: NON-RES. BLDGS.		0.111280	
46	120202	MAINT & REP: FARM RESIDENCES		0.011973	
47	120203	MAINT & REP: OTHER FARM BLDGS.		0.753063	
48	120204	MAINT & REP: COMMUNICATIONS		0.085678	
49	120205	MAINT & REP: RAILROADS		0.199648	

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v 6.02	Codes		Classifications	Food and Fiber Demand	This Study?
50	120206	MAINT & REP: ELEC. UTILITIES		0.142183	
51	120207	MAINT & REP: GAS UTILITIES		0.141771	
52	120208	MAINT & REP: PETROL. PIPELINES		0.128522	
53	120209	MAINT & REP: WATER SUPPLY UTIL		0.094982	
54	120210	MAINT & REP: SEWER FACILITIES		0.098244	
55	120211	MAINT & REP: LOCAL TRANSIT		0.056839	
56	120212	MAINT & REP: MILITARY FACIL.		0.000000	
57	120213	MAINT & REP: CONSERV. FACIL.		0.000000	
58	120214	MAINT & REP: STREETS & HWAYS		0.016293	
59	120215	MAINT & REP: PETR. & GAS WELLS		0.180692	
60	120216	MAINT & REP: OTHER NONBLDG FAC		0.104811	
61	130100	GUIDED MISSILES, SPACE VEHICLES	3761	0.000610	
62	130200	AMMUNITION, EXC. SMALL ARMS	3483	0.004717	
63	130300	TANKS & TANK COMPONENTS	3795	0.001880	
64	130500	SMALL ARMS	3484	0.014602	
65	130600	SMALL ARMS AMMUNITION	3482	0.019834	
66	130700	OTHER ORDNANCE & ACCESS	3489	0.003662	
67	140101	MEAT PACKING PLANTS	2011	0.885654	Yes
68	140102	SAUSAGES & OTH PREP MEATS	2013	0.926181	Yes
69	140199	POULTRY SLAUGHTERING & PROCESS	2015	0.940000	Yes
70	140200	CREAMERY BUTTER	2021	0.771528	Yes
71	140300	CHEESE, NATURAL & PROCESSED	2022	0.794348	Yes
72	140400	MILK, CONDENSED & EVAPORATED	2023	0.818869	Yes
73	140500	ICE CREAM AND FROZEN DESSERTS	2024	0.822051	Yes
74	140600	FLUID MILK	2026	0.834408	Yes
75	140700	CANNED & CURED SEA FOOD	2091	0.893834	Yes
76	140800	CANNED SPECIALTIES	2032	0.947782	Yes
77	140900	CANNED FRUITS & VEGETABLES	2033	0.882958	Yes
78	141000	DEHYDRATED FOOD PRODUCTS	2034	0.917770	Yes
79	141100	PICKLES, SAUCES, SALAD DRESS	2035	0.903240	Yes
80	141200	FISH, FRESH OR FROZEN, PACKGD.	2092	0.771962	Yes
81	141301	FROZEN FRUITS, JUICES, & VEGS.	2037	0.898765	Yes
82	141302	FROZEN SPECIALTIES	2038	0.976513	Yes
83	141401	FLOUR & OTHER GRAIN MILL PROD.	2041	0.925942	Yes
84	141402	CEREAL PREPARATIONS	2043	0.960004	Yes
85	141403	BLENDED & PREPARED FLOUR	2045	0.951467	Yes
86	141501	DOG, CAT, & OTH PET FOOD	2047	0.953656	Yes
87	141502	PREPARED FEEDS, NEC	2048	0.870859	Yes
88	141600	RICE MILLINGS	2044	1.003426	Yes
89	141700	WET CORN MILLING	2046	0.847325	Yes
90	141801	BREAD, CAKE, & RELATED PRODS.	2051, 2053	0.905137	Yes
91	141802	COOKIES & CRACKERS	2052	0.942514	Yes
92	141900	SUGAR	2061, 2062, 2063	0.883337	Yes
93	142001	CANDY AND NUTS	2064, 2068	0.952779	Yes
94	142002	CHOCOLATE & COCOA PRODS	2066	0.939386	Yes
95	142003	CHEWING GUM	2067	0.881133	Yes
96	142101	MALT LIQUORS	2082	0.951113	Yes
97	142102	MALT	2083	0.963465	Yes
98	142103	WINES, BRANDY & BRANDY SPIRITS	2084	0.863021	Yes
99	142104	DISTILLED LIQUOR EXC. BRANDY	2085	0.828697	Yes
100	142200	BOTTLED & CANNED SOFT DRINKS	2086	0.969027	Yes
101	142300	FLAVOR EXTRACTS & SIRUPS, NEC	2087	0.903004	Yes
102	142400	COTTONSEED OIL MILLS	2074	0.811756	Yes
103	142500	SOYBEAN OIL MILLS	2075	0.900097	Yes
104	142600	VEGETABLE OIL MILLS, NEC	2076	0.591754	Yes
105	142700	ANIMAL & MARINE FATS & OILS	2077	0.803848	Yes
106	142800	ROASTED COFFEE	2095	0.965658	Yes
107	142900	SHORTENING & COOKING OILS	2079	0.875735	Yes
108	143000	MANUFACTURED ICE	2097	1.048981	Yes
109	143100	MACARONI & SPAGHETTI	2098	0.960194	Yes

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110	143200	SNACK FOODS, FOOD PREPS., NEC	2096, 2099	0.923194	Yes
111	150101	CIGARETTES	2110	0.999238	Yes
112	150102	CIGARS	2120	1.000333	Yes
113	150103	CHEWING & SMOKING TOBACCO	2130	0.980581	Yes
114	150200	TOBACCO STEM & REDRYING	2140	0.910385	Yes
115	160100	BRDWOV FABRICS & FINISHING	2210-2230, 2261-62	0.551561	Yes
116	160200	NARROW FABRIC MILLS	2240	0.512613	Yes
117	160300	YARN MILLS & TEX FIN. NEC	2269, 2281, 2282	0.550048	Yes
118	160400	THREAD MILLS	2284	0.793531	Yes
119	170100	FLOOR COVERINGS	2270	0.044854	Yes
120	170600	COATED FAB, NOT RUBBERIZED	2295	0.253949	Yes
121	170700	TIRE CORD & FABRIC	2296	0.226628	Yes
122	170900	CORDAGE & TWINE	2298	0.384056	Yes
123	171001	NONWOVEN FABRICS	2297	0.186629	Yes
124	171099	TEXTILE GOODS, NEC	2299	0.389156	Yes
125	180101	WOMENS HOSIERY, EXCEPT SOCKS	2251	1.008666	Yes
126	180102	HOSIERY, N.E.C.	2252	1.026501	Yes
127	180201	KNIT OUTERWEAR MILLS	2253	0.947698	Yes
128	180202	KNIT UNDERWEAR MILLS	2254	0.933911	Yes
129	180203	KNITTING MILLS, NEC	2259	0.334173	Yes
130	180399	KNIT FABRIC MILLS	2257, 2258	0.953463	Yes
131	180400	APPAREL FROM PURCHASED MATLS.	2310-2380	0.948721	Yes
132	190100	CURTAINS & DRAPERIES	2391	0.011687	Yes
133	190200	HOUSEFURNISHINGS, NEC	2392	0.024129	Yes
134	190301	TEXTILE BAGS	2393	0.385826	Yes
135	190302	CANVAS PRODUCTS	2394	0.202736	Yes
136	190303	PLEATING & STITCHING	2395	0.435134	Yes
137	190304	AUTO & APPAREL TRIMMINGS	2396	0.185973	Yes
138	190305	SCHIFFLI MACH EMBROIDERIES	2397	0.611226	Yes
139	190306	FAB TEXTILE PRODUCTS, NEC	2399	0.157356	Yes
140	200100	LOGGING	2410	0.147253	Yes
141	200200	SAWMILLS & PLANING MILLS, GENL	2421	0.122423	Yes
142	200300	HARDWOOD DIMENSION & FLOORING	2426	0.031463	Yes
143	200400	SPECIAL PRODUCT SAWMILLS, NEC	2429	0.165813	Yes
144	200501	MILLWORK	2431	0.022333	Yes
145	200502	WOOD KITCHEN CABINETS	2434	0.003528	Yes
146	200600	VENEER & PLYWOOD	2435, 2436	0.069326	Yes
147	200701	STRUCTURAL WOOD MEMBERS, NEC	2439	0.009477	Yes
148	200702	PREFABRICATED WOOD BUILDINGS	2452	0.021500	Yes
149	200800	WOOD PRESERVING	2491	0.058315	Yes
150	200901	WOOD PALLETS & SKIDS	2448	0.364400	Yes
151	200999	PARTICLE & WAFER BOARD	2493	0.021787	Yes
152	200903	WOOD PRODUCTS, NEC	2499	0.082832	Yes
153	210000	WOOD CONTAINERS	2441, 2449	0.708885	Yes
154	220101	WOOD HOUSEHOLD FURNITURE	2511	0.001555	Yes
155	220102	HOUSEHOLD FURNITURE, NEC	2519	0.015054	
156	220103	WOOD TV & RADIO CABINETS	2517	0.012602	Yes
157	220200	UPHOLSTERED HOUSEHLD FURNITURE	2512	0.000217	
158	220300	METAL HOUSEHOLD FURNITURE	2514	0.004474	
159	220400	MATTRESSES & BEDSPRINGS	2515	0.001406	
160	230100	WOOD OFFICE FURNITURE	2521	0.000275	Yes
161	230200	METAL OFFICE FURNITURE	2522	0.002073	
162	230300	PUBLIC BUILDING FURNITURE	2530	0.007738	
163	230400	WOOD PARTITIONS & FIXTURES	2541	0.004884	Yes
164	230500	METAL PARTITIONS & FIXTURES	2542	0.004994	
165	230600	BLINDS, SHADES, & DRAPE HRDWRE	2591	0.004426	
166	230700	FURNITURE & FIXTURES, NEC	2599	0.003385	
167	240100	PULP MILLS	2610	0.242333	Yes
168	240299	PAPER MILLS, EXC. BULDG PAPER	2620	0.023955	Yes
169	240300	PAPERBOARD MILLS	2630	0.366531	Yes

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170	240400	ENVELOPES		2677	0.117844	Yes
171	240500	SANITARY PAPER PRODUCTS		2676	0.298885	Yes
172	240701	PAPER COATED & LAMINATED		2671, 2672	0.343171	Yes
173	240702	BAGS, EXCEPT TEXTILE		2673, 2674	0.369916	Yes
174	240703	DIE-CUT PAPER & BOARD		2675	0.137599	Yes
175	240705	STATIONERY PRODUCTS		2678	0.073859	Yes
176	240799	CONV. & PRESSED PAPER PROD, NEC		2679	0.140815	Yes
177	250000	PAPERBOARD CONTAINERS & BOXES		2650	0.477975	Yes
178	260100	NEWSPAPERS		2710	0.216372	
179	260200	PERIODICALS		2720	0.159477	
180	260301	BOOK PUBLISHING		2731	0.020770	
181	260302	BOOK PRINTING		2732	0.088932	
182	260400	MISC. PUBLISHING		2740	0.241022	
183	260501	COMMERCIAL PRINTING		2750	0.257622	
184	260601	MANIFOLD BUSINESS FORMS		2760	0.099536	
185	260602	BLANKBOOKS & LOOSELEAF BINDERS		2782	0.096607	
186	260700	GREETING CARD PUBLISHING		2770	0.038913	
187	260802	BOOKBINDING & RELATED WORK		2789	0.044872	
188	260803	TYPESETTING		2791	0.237114	
189	260899	PLATEMAKING SERVICES		2796	0.276062	
190	270100	INDUSTRIAL CHEM., INORG & ORG		2810, 2865, 2869	0.200000	
191	270201	FERTILIZER, NITRATE & PHOSPHATE		2873, 2874	0.605331	Yes
192	270202	FERTILIZER, MIXING ONLY		2875	0.634787	Yes
193	270300	AGRICULTURAL CHEMICALS, NEC		2879	0.588010	Yes
194	270401	GUM & WOOD CHEMICALS		2861	0.139708	Yes
195	270402	ADHESIVES & SEALANTS		2891	0.137343	
196	270403	EXPLOSIVES		2892	0.079047	
197	270404	PRINTING INK		2893	0.280762	
198	270405	CARBON BLACK		2895	0.127036	
199	270406	CHEMICAL PREPARATIONS, NEC		2899	0.155518	
200	280100	PLASTICS MATERIALS & RESINS		2821	0.128880	
201	280200	SYNTHETIC RUBBER		2822	0.103991	
202	280300	CELLULOSIC MAN-MADE FIBERS		2823	0.036687	
203	280400	NONCELLULOSIC FIBERS		2824	0.033652	
204	290100	DRUGS		2830	0.070748	
205	290201	SOAP & OTHER DETERGENTS		2841	0.063902	
206	290202	POLISHES & SANITATION GOODS		2842	0.082773	
207	290203	SURFACE ACTIVE AGENTS		2843	0.242051	
208	290300	TOILET PREPARATIONS		2844	0.005822	
209	300000	PAINTS & ALLIED PRODUCTS		2850	0.085066	
210	310101	PETROLEUM REFINING		2910	0.138117	
211	310102	LUBRICATING OILS & GREASES		2992	0.176581	
212	310103	PRODUCTS OF PETRO. & COAL, NEC		2999	0.156361	
213	310200	PAVING MIXTURES & BLOCKS		2951	0.024940	
214	310300	ASPHALT FELTS & COATINGS		2952	0.056098	
215	320100	TIRES & INNER TUBES		3010	0.117892	
216	320200	RUBBER & PLASTIC FOOTWEAR		3020	0.963316	
217	320399	FABRICATED RUBBER PROD, NEC		3060	0.107539	
218	320400	MISC. PLASTIC PRODUCTS		3080	0.202952	
219	320500	RUBBER & PLASTIC HOSE & BELTS		3052	0.174795	
220	330001	LEATHER TANNING & FINISHING		3110	0.760040	Yes
221	340100	FOOTWEAR CUT STOCK		3130	0.272717	Yes
222	340201	SHOES, EXCEPT RUBBER		3143, 3144, 3149	0.965090	Yes
223	340202	HOUSE SLIPPERS		3142	0.937682	Yes
224	340301	LEATHER GLOVES & MITTENS		3150	0.962017	Yes
225	340302	LUGGAGE		3160	0.145612	Yes
226	340303	WOMENS HANDBAGS & PURSES		3171	0.988496	Yes
227	340304	PERSONAL LEATHER GOODS		3172	0.702453	Yes
228	340305	LEATHER GOODS, NEC		3190	0.161054	Yes
229	350100	GLASS & GLASS PRODUCTS, NEC		3210, 3229, 3230	0.096375	

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230	350200	GLASS CONTAINERS		3221	0.766274
231	360100	CEMENT, HYDRAULIC		3240	0.034259
232	360200	BRICK & STRUCTURAL CLAY TILE		3251	0.012583
233	360300	CERAMIC WALL & FLOOR TILE		3253	0.022646
234	360400	CLAY REFRACTORIES		3255	0.036572
235	360500	STRUCTURAL CLAY PROD, NEC		3259	0.007597
236	360600	VITREOUS PLUMBING FIXTURES		3261	0.032368
237	360701	VITREOUS CHINA FOOD UTENSILS		3262	0.124220
238	360702	FINE EARTHENWARE FOOD UTENSILS		3263	0.055360
239	360800	PORCELAIN ELECTRICAL SUPPLIES		3264	0.024949
240	360900	POTTERY PRODUCTS, NEC		3269	0.052853
241	361000	CONCRETE BLOCK & BRICK		3271	0.023929
242	361100	CONCRETE PRODUCTS, NEC		3272	0.032453
243	361200	READY-MIXED CONCRETE		3273	0.032959
244	361300	LIME		3274	0.179165
245	361400	GYP SUM PRODUCTS		3275	0.023555
246	361500	CUT STONE & STONE PRODUCTS		3280	0.005324
247	361600	ABRASIVE PRODUCTS		3291	0.099846
248	361700	ASBESTOS PRODUCTS		3292	0.053928
249	361800	GASKETS, PACK. & SEAL. DEVICES		3053	0.102810
250	361900	MINERALS, GROUND OR TREATED		3295	0.081301
251	362000	MINERAL WOOL		3296	0.035033
252	362100	NONCLAY REFRACTORIES		3297	0.040643
253	362200	NONMETAL MINERAL PROD, NEC		3299	0.077740
254	370101	BLAST FURNACES & STEEL MILLS		3312	0.128015
255	370102	ELECTROMETALLURGICAL PRODUCTS		3313	0.182016
256	370103	STEEL WIRE & RELATED PRODUCTS		3315	0.112480
257	370104	COLD FINISHING OF STEEL SHAPES		3316	0.129257
258	370105	STEEL PIPE & TUBES		3317	0.125712
259	370200	IRON & STEEL FOUNDRIES		3320	0.071781
260	370300	IRON & STEEL FORGINGS		3462	0.062112
261	370401	METAL HEAT TREATING		3398	0.095238
262	370402	PRIMARY METAL PROD, NEC		3399	0.083462
263	380100	PRIMARY COPPER		3331	0.079935
264	380400	PRIMARY ALUMINUM		3334	0.276230
265	380599	PRIMARY NONFERROUS METALS, NEC		3339	0.080295
266	380600	SECONDARY NONFERROUS METALS		3340	0.156757
267	380700	COPPER ROLLING & DRAWING		3351	0.063677
268	380800	ALUMINUM ROLLING & DRAWING		3353-55	0.236892
269	380900	NONFERROUS ROLL & DRAW, NEC		3356	0.044801
270	381000	NF WIRE DRAWING & INSULATING		3357	0.044363
271	381100	ALUM. DIE-CASTINGS & FOUNDRIES		3363, 3365	0.058554
272	381200	BRASS, BRONZE, COPPER CASTINGS		3366	0.059000
273	381300	NONFERROUS CASTINGS, NEC		3364, 3369	0.045632
274	381400	NONFERROUS FORGINGS		3463	0.030770
275	390100	METAL CANS		3411	0.811446
276	390200	METAL BARRELS, DRUMS, PAILS		3412	0.256276
277	400100	METAL SANITARY WARE		3431	0.031594
278	400200	PLUMBING FIXTURES, ETC		3432	0.032089
279	400300	HEATING EQUIP, EXC. ELECTRICAL		3433	0.015302
280	400400	FABRICATED STRUCTURAL METAL		3441	0.034066
281	400500	METAL DOORS, SASH, TRIM		3442	0.035949
282	400600	FABR. PLATE WORK (BOILER SHOPS)		3443	0.026538
283	400700	SHEET METAL WORK		3444	0.045509
284	400800	ARCHITECTURAL METAL WORK		3446	0.028424
285	400901	PREFABRICATED METAL BUILDINGS		3448	0.087469
286	400902	MISCELLANEOUS METAL WORK		3449	0.021568
287	410100	SCREW MACH. PROD., BOLTS, NUTS		3450	0.071176
288	410201	AUTO STAMPINGS		3465	0.038255
289	410202	CROWNS & CLOSURES		3466	0.722798

Appendix A. Standard Industrial Classifications, Definitions of Agribusiness

Sector List for PCIO Regional Input-Output Model (cont)

Sectors PCIO v 6.02	BEA Codes	Titles	Standard Industrial Classifications	Share of Output * Required to Meet Food and Fiber Demand	Counted as "Agribusiness", This Study?
290	410203	METAL STAMPINGS, NEC		3469	0.052415
291	420100	CUTLERY		3421	0.044806
292	420201	HAND & EDGE TOOLS, NEC		3423	0.172712
293	420202	HAND SAWS & SAW BLADES		3425	0.095163
294	420300	HARDWARE, N.E.C.		3429	0.038945
295	420401	PLATING & POLISHING		3471	0.043119
296	420402	METAL COATING & ALLIED SERVICE		3479	0.127418
297	420500	MISC. FABRICATED WIRE PRODUCTS	3495-96		0.105167
298	420700	STEEL SPRINGS, EXCEPT WIRE		3493	0.121459
299	420800	PIPE, VALVES, PIPE FITTINGS	3491-92, 3494, 3498		0.077934
300	421000	METAL FOIL & LEAF		3497	0.476356
301	421100	FABRICATED METAL PRODUCTS, NEC		3499	0.091914
302	430100	STEAM ENGINES & TURBINES		3511	0.043006
303	430200	INTERNAL COMBUST. ENGINES, NEC		3519	0.089937
304	440001	FARM MACHINERY & EQUIPMENT		3523	0.572404
305	440002	LAWN & GARDEN EQUIPMENT		3524	0.151728
306	450100	CONSTRUCTION MACH. & EQUIPMENT		3531	0.057660
307	450200	MINING MACH., EXC. OIL FIELD		3532	0.051042
308	450300	OIL FIELD MACHINERY		3533	0.019009
309	460100	ELEVATORS & MOVING STAIRWAYS		3534	0.021430
310	460200	CONVEYERS & CONVEYING EQUIP.		3535	0.028795
311	460300	HOISTS, CRANES, & MONORAILS		3536	0.021949
312	460400	INDUSTRIAL TRUCKS & TRACTORS		3537	0.043629
313	470100	MACHINE TOOLS, METAL CUTTING		3541	0.018573
314	470200	MACHINE TOOLS, METAL FORMING		3542	0.018431
315	470300	SPEC DIES & MACH TOOL ACCESS.	3544-45		0.057510
316	470401	POWER DRIVEN HAND TOOLS		3546	0.117701
317	470402	ROLLING MILL MACHINERY		3547	0.009278
318	470403	METALWORKING MACHINERY		3549	0.017118
319	480100	FOOD PRODUCTS MACHINERY		3556	0.134524
320	480200	TEXTILE MACHINERY		3552	0.253817
321	480300	WOODWORKING MACHINERY		3553	0.013269
322	480400	PAPER INDUSTRIES MACHINERY		3554	0.046053
323	480500	PRINTING TRADES MACHINERY		3555	0.043145
324	480600	SPECIAL INDUSTRIAL MACH., NEC		3559	0.023868
325	490100	PUMPS & COMPRESSORS	3561, 3563		0.053503
326	490200	BALL & ROLLER BEARINGS		3562	0.117035
327	490300	BLOWERS & FANS		3564	0.058569
328	490400	INDUSTRIAL PATTERNS		3543	0.098279
329	490499	PACKAGING MACHINERY		3565	0.000000
330	490500	POWER TRANSMISSION EQUIPMENT	3566, 3568		0.099931
331	490600	INDUSTRIAL FURNACES & OVENS		3567	0.005618
332	490700	GENERAL INDUSTRIAL MACH., NEC		3569	0.038176
333	500001	CARBS., PISTONS, RINGS, VALVES		3592	0.129420
334	500002	NON-ELECTRICAL MACHINERY, NEC		3599	0.134645
335	500199	FLUID POWER EQUIPMENT	3593-94		0.000000
336	510101	ELECTRONIC COMPUTING EQUIPMENT	3571-72, 3575, 3577		0.006817
337	510102	CALCULATING & ACCOUNTING MACH.		3578	0.016141
338	510300	SCALES & BALANCES		3596	0.025099
339	510400	TYPEWRITERS & OFFICE MACH., NEC		3579	0.051723
340	520100	AUTOMATIC MERCHANDISING MACH.		3581	0.036212
341	520200	COMMERCIAL LAUNDRY EQUIPMENT		3582	0.020155
342	520300	REFRIGERATION & HEATING EQUIP.		3585	0.030384
343	520400	MEASURING & DISPENSING PUMPS		3586	0.007691
344	520500	SERVICE INDUSTRY MACHINES, NEC		3589	0.030670
345	530100	INSTRUMENTS TO MEASURE ELEC		3825	0.003271
346	530200	TRANSFORMERS		3612	0.017802
347	530300	SWITCHGEAR & SWITCHBOARD EQUIP		3613	0.030170
348	530400	MOTORS & GENERATORS		3621	0.045800
349	530500	INDUSTRIAL CONTROLS		3625	0.044401

Appendix A. Standard Industrial Classifications, Definitions of Agribusiness

Sector List for PCIO Regional Input-Output Model (cont)

Sectors			Standard	Share of Output *	Counted as
PCIO	BEA	Titles	Industrial	Required to Meet	"Agribusiness",
v 6.02	Codes		Classifications	Food and Fiber Demand	This Study?
350	530600	WELDING APPARTUS, ELECTRIC		3548	0.035206
351	530700	CARBON & GRAPHITE PRODUCTS		3624	0.101933
352	530800	ELECTRICAL INDL APPARATUS, NEC		3629	0.009095
353	540100	HOUSEHOLD COOKING EQUIPMENT		3631	0.008853
354	540200	HHLD REFRIGERATORS, FREEZERS		3632	0.007285
355	540300	HOUSEHOLD LAUNDRY EQUIPMENT		3633	0.010628
356	540400	ELECRICAL HOUSEWARES & FANS		3634	0.019217
357	540500	HOUSEHOLD VACUUM CLEANERS		3635	0.010583
358	540700	HOUSEHOLD APPLIANCES, NEC		3639	0.024121
359	550100	ELECTRIC LAMPS		3641	0.058128
360	550200	LIGHTING FIXTURES & EQUIP.		3645-48	0.043121
361	550300	WIRING DEVICES		3643-44	0.046195
362	560100	HOUSEHOLD AUDIO & VIDEO EQUIP.		3651	0.014202
363	560200	PHONOGRAPH RECORDS & TAPE		3652	0.008979
364	560300	TELEPHONE & TELEGRAPH EQUIP.		3661	0.021327
365	560400	BROADCAST & COMMUN. EQUIP., NEC		3663, 3669	0.003935
366	570100	ELECTRON TUBES		3671	0.050094
367	570200	SEMICONDUCTORS & REL. DEVICES		3674	0.050646
368	570300	ELECTRONIC COMPONENTS, NEC		3672, 3675-79	0.022094
369	580100	STORAGE BATTERIES		3691	0.046598
370	580200	PRIMARY BATTERIES, DRY & WET		3692	0.017524
371	580300	X-RAY & OTHER ELECTROMED. EQUIP		3844-45	0.000868
372	580400	ENGINE ELECTRICAL EQUIPMENT		3694	0.083425
373	580499	MAGN. & OPTIC. RECORDING MEDIA		3695	0.000000
374	580500	ELECTR. EQUIP. & SUPPLIES, NEC		3699	0.031129
375	590100	TRUCK & BUS BODIES		3713	0.065238
376	590200	TRUCK TRAILERS		3715	0.076604
377	590301	MOTOR VEHICLES		3711	0.022507
378	590302	MOTOR VEH. PARTS & ACCESS.		3714	0.057240
379	600100	AIRCRAFT		3721	0.000613
380	600200	AIRCRAFT & MISSILE ENGINES		3724, 3764	0.010714
381	600400	AIRCRAFT & MISSILE EQUIP., NEC		3728, 3769	0.004959
382	610100	SHIP BUILDING & REPAIRING		3731	0.048033
383	610200	BOAT BUILDING & REPAIRING		3732	0.034185
384	610300	RAILROAD EQUIPMENT		3740	0.043077
385	610500	MOTORCYCLES, BICYLES, & PARTS		3750	0.059476
386	610601	TRAVEL TRAILERS & CAMPERS		3792	0.002582
387	610602	MOBILE HOMES		2451	0.000223
388	610603	MOTOR HOMES FROM PURCH. MATLS		3716	0.000654
389	610700	TRANSPORTATION EQUIP., NEC		3799	0.047955
390	620100	SEARCH & NAVIGATION EQUIPMENT		3810	0.006395
391	620200	MEASURING & CONTROLLING DEVICES		3821, 3823-24, 3826, 3829	0.038062
392	620300	ENVIRONMENTAL CONTROLS		3822	0.026506
393	620400	SURGICAL & MEDICAL INSTRUMENTS		3841	0.004168
394	620500	SURGICAL APPLIANCES & SUPPLIES		3842	0.031322
395	620600	DENTAL EQUIPMENT & SUPPLIES		3843	0.010403
396	620700	WATCHES, CLOCKS, & PARTS		3870	0.007949
397	630100	LENSES, OPTICAL INSTRUMENTS		3827	0.004574
398	630200	OPHTHALMIC GOODS		3850	0.011493
399	630300	PHOTOGRAPHIC EQUIP. & SUPPLIES		3860	0.048858
400	640101	JEWELRY, PRECIOUS METAL		3911	0.003460
401	640102	JEWELERS MAT'L & LAPIDARY WORK		3915	0.002055
402	640104	SILVERWARE & PLATED WARE		3914	0.161460
403	640105	COSTUME JEWELRY		3961	0.009590
404	640200	MUSICAL INSTRUMENTS		3930	0.018565
405	640301	GAMES, TOYS, KIDS' VEHICLES		3944	0.004840
406	640302	DOLLS		3942	0.001186
407	640400	SPORTS & ATHLETIC GOODS, NEC		3949	0.011060
408	640501	PENS & MECHANICAL PENCILS		3951	0.040954
409	640502	LEAD PENCILS & ART GOODS		3952	0.074561

Appendix A. Standard Industrial Classifications, Definitions of Agribusiness

Sector List for PCIO Regional Input-Output Model (cont)

Sectors						
PCIO v 6.02	BEA Codes	Titles	Standard Industrial Classifications	Share of Output * Required to Meet Food and Fiber Demand	Counted as "Agribusiness", This Study?	
410	640503	MARKING DEVICES		3953	0.095649	
411	640504	CARBON PAPER & INKED RIBBONS		3955	0.087621	
412	640799	FASTENERS,BUTTONS,NEEDLES,PINS		3965	0.800000	
413	640800	BROOMS & BRUSHES		3991	0.062232	
414	640900	HARD SURFACE FLOOR COVERINGS		3996	0.012775	
415	641000	BURIAL CASKETS & VAULTS		3995	0.001347	
416	641100	SIGNS & ADVERTISING DISPLAYS		3993	0.161643	
417	641299	MANUFACTURING, NEC		3999	0.102261	
418	650100	RAILROADS & RELATED SERVICES	4000, 4740		0.284607	
419	650200	LOCAL TRANSIT, RAIL AND HWAY		4100	0.061154	
420	650300	TRUCKING & WAREHOUSING		4200	0.285070	
421	650400	WATER TRANSPORTATION		4400	0.130466	
422	650500	AIR TRANSPORTATION		4500	0.085627	
423	650600	PIPELINES,EXCEPT NATURAL GAS		4600	0.128457	
424	650701	FREIGHT TRANSP. ARRANGEMENT	4730, 4780		0.188251	
425	650702	PASSENGER TRANSP. ARRANGEMENT		4720	0.056663	
426	660000	COMMUNICATIONS, EXC RADIO & TV	4810, 4820, 4890		0.085494	
427	670000	RADIO & TV BROADCASTING		4830, 4840	0.291404	
428	680100	ELECTRIC UTILITIES		4910, 4931	0.140806	
429	680200	GAS UTILITIES		4920, 4932	0.143134	
430	680301	WATER SUP., WASTE DISPOSAL		4940, 4950	0.065861	
431	680302	REFUSE, STEAM & IRRIGATION SVCS	4939, 4960, 4970		0.191948	
432	996001	WHOLESALING: DURABLE GOODS		5000	0.423487	6%
433	996002	WHOLESALING: NONDURABLE GOODS		5100	0.423487	36%
434	997001	RETAIL: LUMBER & BLDG. MATLS		5200	0.291440	
435	997002	RETAIL: GENL MERCH. STORES		5300	0.291440	
436	997003	RETAIL: FOOD STORES		5400	0.291440	
437	997004	RETAIL: AUTO SALES & SERVICES		5500	0.291440	
438	997005	RETAIL: APPAREL AND ACCESS.		5600	0.291440	
439	997006	RETAIL: FURN. & HOME FURNISH.		5700	0.291440	
440	997007	RETAIL: MISCELLANEOUS STORES	5900, 8042		0.291440	
441	700100	BANKING (DEPOSIT. INSTITUTIONS)		6000	0.110783	
442	700200	NONDEPOSIT., HOLD. & INV. OFFS	6100, 6700		0.116762	
443	700300	SECURITY & COMMODITY BROKERS		6200	0.054789	
444	700400	INSURANCE CARRIERS		6300	0.033327	
445	700500	INSURANCE AGENTS & BROKERS		6400	0.033258	
446	710100	OWNER-OCCUPIED DWELLINGS		9999	0.000000	
447	710200	REAL ESTATE		6500	0.110493	
448	720100	HOTELS & LODGING PLACES		7000	0.077136	7.7%
449	720201	LAUNDRY,DRY CLNG & SHOE REPAIR	7210, 7250		0.096750	
450	720202	FUNERAL SRVC & CREMATORIES		7260	0.000000	
451	720203	PHOTO STUDS. & MISC PERS SERVC	7220, 7290		0.007039	
452	720204	ELECTRICAL REPAIR SHOPS		7620	0.153377	
453	720205	WATCH, JEWELRY & FURN. REPAIR	7630, 7640		0.000000	
454	720300	BEAUTY & BARBER SHOPS	7230, 7240		0.000000	
455	730101	MISC REPAIR SHOPS		7690	0.184629	
456	730102	SERVICES TO BUILDINGS		7340	0.104572	
457	730103	PERSONNEL SUPPLY SERVICES		7360	0.135137	
458	730104	COMPUT. & DATA PROC. SERVICES		7370	0.107759	
459	730105	MGT. CONSULT. AND PUBLIC REL.		8740	0.119749	
460	730106	DETECTIVE & PROTECTIVE SRVCS	7381-82		0.135861	
461	730107	EQUIP RENTAL & LEASING SRVCS		7350	0.177236	
462	730108	PHOTO LABS, COMM. PHOTOGRAPHY	7334-36, 7384		0.152876	
463	730109	OTHER BUSINESS SERVICES	7320, 7331, 7338, 7383, 7389		0.221865	
464	730199	RESEARCH & TESTING SERVICES	8731-32, 8734		0.000000	
465	730200	ADVERTISING		7310	0.304926	
466	730301	LEGAL SERVICES		8100	0.112294	
467	730302	ENGINEER. & ARCHITECT SERVICES		8710	0.030293	
468	730303	ACCOUNTING, MISC. SERVICES, NEC	8720, 8900		0.150093	
469	740000	EATING & DRINKING PLACES		5800	0.797313	1.5%

Appendix A. Standard Industrial Classifications, Definitions of Agribusiness

Sector List for PCIO Regional Input-Output Model (cont)

Sectors PCIO v 6.02	BEA Codes	Titles	Standard Industrial Classifications	Share of Output * Required to Meet Food and Fiber Demand	Counted as "Agribusiness", This Study?
470	750001	AUTO RENTAL & LEASING		7510 0.195233	
471	750002	AUTO REPAIR SHOPS & SERVICES		7530, 7549 0.075890	
472	750003	AUTO PARKING AND CAR WASHES		7520, 7542 0.043857	
473	760100	MOTION PICTURES		7810, 7820, 7830 0.211587	
474	760199	VIDEO TAPE RENTAL		7840 0.000000	
475	760201	THEATRE, BANDS & ENTERTAINERS		7920 0.243780	
476	760202	BOWLING ALLEYS, POOL HALLS		7930 0.000000	
477	760203	COMML SPORTS, EXCEPT RACING		7941 0.059425	
478	760204	RACING, INCL. TRACK OPERATION		7948 0.063463	Yes
479	760205	MEMBER. SPORTS & RECR. CLUBS		7997 0.022090	
480	760206	AMUSE. & RECRE. SERVICES, NEC		7910, 7991-93, 7996, 7999 0.060443	
481	770100	OFFICES OF PHYS. & DENTISTS		8010, 8020, 8030, 8041 0.000000	
482	770200	HOSPITALS		8060 0.000000	
483	770301	NURSING & PERSONAL CARE FAC.		8050 0.000000	
484	770302	MED. & HEALTH SRVCS. FAC., NEC		8043, 8049, 8070-90 0.025878	
485	770401	ELEMENTARY & SECONDARY SCHOOLS		8210 0.000000	
486	770402	COLLEGES, UNIV., & PROF. SCHOOLS		8220 0.008350	
487	770403	LIBRARIES; VOCL & OTH SCHLS NEC		8230, 8240, 8290 0.003763	
488	770501	BUS. ASSNS & PROFL MEMB. ORGS.		8610, 8620 0.164478	
489	770502	LABOR, CIVIC, SOCIAL ORGS.		8630, 8640 0.000000	
490	770503	RELIGIOUS ORGANIZATIONS		8660 0.000000	
491	770504	MUSEUMS & OTHER NON-COMM. ORGS		8400, 8650, 8690, 8733 0.012928	
492	770600	JOB TRAINING & RELATED SVCS.		8330 0.051865	
493	770700	CHILD DAY CARE SERVICES		8350 0.000000	
494	770800	RESIDENTIAL CARE		8360 0.000000	
495	770900	INDIVIDUAL & SOC. SERVICES, NE		8320, 8390 0.000000	
507	780100	POSTAL SERVICE		4210, 4520 0.134724	
508	780200	FEDERAL ELECTRIC UTILITIES		4910 0.142040	
509	780300	COMMODITY CREDIT CORPORATION		6110 0.000000	
510	780400	MISC. FED. GOV. ENTERPRISES		7300, 7900 0.394292	
511	790100	LOCAL GOV. TRANSIT SYSTEM		4110 0.056833	
512	790200	ST & LOCAL ELECTRIC UTILITIES		4910 0.142146	
513	790300	MISC. ST & LOC. GOV. ENTERPRISES		7300, 7900 0.098210	
Total Louisville Area Agribusiness Output by This Method				\$9,664,428,209	\$6,080,857,990

* From "Measuring the Economywide Effect of the Farm Sector", USDA Economic Research Service Report, Technical Bulletin 1843, by William Edmondson, Mindy Pertrulis, and Agapi Somwaru, July 1995. Shaded areas estimated by author using ancillary data.

Appendix B. Matrix of Transactions Between Industries

Estimates of Input-Output Transactions, Louisville Metro Economy, 1994
millions of dollars

	Outputs											Sales to Total Interindustry Sales
	Inputs	Other Manufacturing	Transportation	Communications, Public Utilities	Wholesale Trade: Nonagribusiness	Other Retail Trade	Finance, Insur., Real Estate	Service, Other	Subtotal: Other Industries	Total Interindustry Sales	Sales to	
Agriculture		\$1.7	\$0.1	\$0.0	\$10.7	\$0.4	\$12.9	\$5.1	\$30.9	\$54.7	\$9.	
Mfg: Food and Beverages		\$9.3	\$0.1	\$0.0	\$1.7	\$54.8	\$0.2	\$13.4	\$79.5	\$178.0	\$208.	
Mfg: Tobacco		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$11.0	\$37.	
Mfg: Textiles & Apparel		\$4.6	\$0.1	\$0.0	\$0.1	\$0.2	\$0.4	\$5.2	\$10.5	\$32.4	\$13.	
Mfg: Lumber, Wood Products		\$17.0	\$0.3	\$0.0	\$5.2	\$0.2	\$0.1	\$0.7	\$23.5	\$111.6	\$20.	
Mfg: Paper Products		\$93.4	\$0.6	\$0.6	\$9.5	\$16.5	\$6.7	\$6.8	\$134.1	\$208.1	\$2.	
Mfg: Farm Machinery, Fertilizer		\$4.6	\$0.3	\$0.0	\$0.0	\$0.0	\$0.2	\$1.0	\$6.2	\$13.6	\$4.	
Wholesale Trade: Agribusiness		\$52.0	\$3.7	\$1.4	\$9.9	\$7.1	\$4.6	\$11.0	\$89.7	\$160.2	\$44.	
Agribusiness Trade Shows: Restaurants		\$0.6	\$0.1	\$0.1	\$0.5	\$0.2	\$1.1	\$0.5	\$3.1	\$3.4	\$8.	
Agribusiness Trade Shows: Hotels		\$0.3	\$0.0	\$0.0	\$0.3	\$0.1	\$0.5	\$0.4	\$1.6	\$1.7	\$1.	
Racing		\$0.0	\$0.0	\$0.0	\$0.1	\$0.0	\$0.0	\$0.0	\$0.1	\$4.3	\$10.	
Subtotal: Agribusiness		\$183.4	\$5.3	\$2.2	\$38.0	\$79.5	\$26.7	\$44.1	\$379.2	\$778.8	\$360.	
Other Manufacturing		\$1,450.0	\$15.8	\$10.2	\$39.6	\$65.2	\$186.6	\$113.5	\$1,880.8	\$2,141.3	\$432.	
Transportation		\$117.1	\$109.5	\$9.5	\$45.6	\$17.0	\$23.1	\$29.1	\$350.9	\$404.8	\$95.	
Communications, Public Utilities		\$158.5	\$19.1	\$38.6	\$94.7	\$112.3	\$210.0	\$96.6	\$729.8	\$813.5	\$468.	
Wholesale Trade: Nonagribusiness		\$388.3	\$13.6	\$8.7	\$30.8	\$30.9	\$14.6	\$35.5	\$522.4	\$714.9	\$186.	
Other Retail Trade		\$77.1	\$20.4	\$10.2	\$40.9	\$16.3	\$229.8	\$71.0	\$465.8	\$497.2	\$1,551.	
Finance, Insurance, Real Estate		\$110.5	\$31.7	\$38.0	\$111.8	\$222.5	\$1,619.2	\$303.8	\$2,437.5	\$2,537.3	\$1,639.	
Services, Other		\$271.6	\$76.9	\$96.5	\$171.8	\$141.0	\$752.2	\$437.5	\$1,947.5	\$2,091.4	\$900.	
Subtotal: Other Industries		\$2,573.0	\$287.0	\$211.7	\$535.1	\$605.4	\$3,035.5	\$1,087.1	\$8,334.7	\$9,200.3	\$5,275.	
Total Intermediate Purchases		\$2,756.4	\$292.4	\$213.9	\$573.1	\$684.9	\$3,062.2	\$1,131.2	\$8,713.9	\$9,979.2	\$5,635.	
Wages, Salaries, Proprietors' Income		\$2,276.0	\$630.9	\$422.3	\$532.2	\$1,158.7	\$1,309.2	\$3,342.2	\$9,671.6	\$10,723.4		
Other Value Added, Taxes		\$6,517.1	\$427.4	\$714.8	\$1,627.4	\$611.9	\$9,135.6	\$1,359.0	\$20,393.1	\$24,149.0		
Total Output		\$11,549.5	\$1,350.7	\$1,351.1	\$2,732.7	\$2,455.4	\$13,507.0	\$5,832.4	\$38,778.7	\$44,851.6		

Source: Input-Output Model of the Louisville Economy, PCIO, Version 6.02; by Regional Science Research Associates.

C. Estimate of Agribusiness Activity in Louisville, USDA Method

Estimate of Agribusiness Activity in Louisville Metro
USDA Method

	1992 Standard Industrial Classification	Value of Output L'ville Firms million \$	Employment, Louisville Area Firms
Farming			
Farm production	01-02	\$306	1,993
Closely related industries			
Agricultural services, forestry, fishery	071-2, 074-6, 08-09	\$120	4,874
Agricultural input industries			
Agricultural chemicals	287	\$23	119
Farm machinery and equipment	3523	\$19	157
Farm supply and machinery (wholesale trade)	5083, 5191	\$36	162
Commodity contract brokers and dealers	622	\$0	0
Agricultural processing and marketing			
Meat products	201	\$348	2,062
Dairy products	202	\$44	292
Canned, frozen fruits and vegetables	203	\$58	641
Grain mill products	204	\$106	997
Bakery products	205	\$73	1,423
Sugar and confectionery products	206	\$3	19
Fats and oils products	207	\$86	297
Beverages	208	\$504	2,208
Misc. food and kindred products	209	\$96	1,259
Tobacco products	21	\$2,339	4,361
Apparel and textiles	221-4, 2251-4, 2257-8, 226, 228, 231-8, 2397, 3965	\$127	1,033
Leather products and footwear	302, 31	\$8	64
Packaging	2441, 2449, 3221, 3411, 3466	\$21	341
Farm-related raw materials (wholesale trade)	515	\$69	395
Warehousing	4221, 4222	\$0	0
Subtotal: Direct Agribusiness		\$4,387	22,699
Peripherally related industries			
Wholesale and retail trade of agricultural products			
Wholesale trade	513-4, 518, 5194	\$169	961
Retail trade	54, 56, 58, 592, 5948-9, 5993	\$1,213	56,775
Indirect Agribusiness			
Chemical and fertilizer mixing	147	\$0	0
Misc. textile products	2259, 2298-9, 2393, 2395	\$1	22
Containers, paper products, and pulpwood products	263, 265, 2671-4 2679	\$651	2,419
Food products machinery	3556	\$31	271
Miscellaneous manufacturing	2448, 3497	\$250	958
Total, Direct, Peripheral, and Indirect Agribusiness		\$6,703	84,105
Total, Louisville Metro Economy		\$44,852	465,671
Agribusiness Share of Total		14.9%	18.1%

Source: "Measuring the Economywide Effect of the Farm Sector", USDA Economic Research Report, Technical Bulletin 1843,

July 1995, page 10; and "Louisville Area Input-Output Model", PCIO, Version 6.02, Regional Science Research Institute.

Note: "indirect" counts all eating and drinking establishments (SIC 58) and grocery stores (SIC 54) as part of agribusiness.

D. Listing of Louisville Area Agribusiness Manufacturers

Alphabetic Listing of Louisville Metro Area Agribusiness Manufacturers

Company	City, State	Zip Code	County	SIC	Products	Jobs
Accu-Tec	Louisville, KY	40241	Jefferson	26	corrugated fibre boxes	30
Adam Matthews	Louisville, KY	40299	Jefferson	20	cheesecake	15
Adams Custom Veneers	New Albany, IN	47150	Floyd	24	veneer & lumber	35
Adkins Export Packing	Louisville, KY	40203	Jefferson	24	wood packing boxes, crates, etc	13
Adver-Togs	New Albany, IN	47150	Floyd	23	advertising caps, jackets, shirts	65
Al's Woodcraft	Borden, IN	47106	Clark	25	wood furniture, birdfeeders, etc.	7
Algood Food company	Louisville, KY	40217	Jefferson	20	peanut butter, jellies, jams, etc	126
Allhom Eagle Windows	Louisville, KY	40299	Jefferson	24	wood windows	20
Alpine Plant Foods	Corydon, IN	47112	Harrison	28	liquid fertilizers	6
American Beverage Marketers	New Albany, IN	47150	Floyd	20	drink mixes	20
Ancient Mariner	Jeffersonville, IN	47130	Clark	23	canvas awnings	15
Anderson Wood Products	Louisville, KY	40251	Jefferson	24	millwork	130
Andriot Systems	Louisville, KY	40213	Jefferson	24	wood blinds	18
Anita Spring Water	Louisville, KY	40218	Jefferson	20	fruit drinks, bottled water	50
The Apparel Group	Louisville, KY	40232	Jefferson	23	men's clothing	1200
Art Boundries	Louisville, KY	40204	Jefferson	24	wood doors & cabinets	16
ATGTBT	Louisville, KY	40299	Jefferson	20	potato chips	150
ATGTBT	Louisville, KY	40299	Jefferson	20	tortilla chips	41
Atlantic Envelope Co	Shelbyville, KY	40065	Shelby	26	envelopes	88
Audubon Block Company	Louisville, KY	40210	Jefferson	24	wood blocks, cleats	10
Austin Concepts	Louisville, KY	40223	Jefferson	24	arch. casework	14
B&B Cabinet Co	Louisville, KY	40208	Jefferson	24	wood bookcases, cabinets	14
B&B Industrial Sewing	Shepherdsville, KY	40165	Bullitt	23	cases, bags, auto seat straps	7
B&J Pallet Co	Louisville, KY	40258	Jefferson	24	pallets	2
B-Bar-B Corp	New Albany, IN	47150	Floyd	30	milk containers	15
Bagdad Roller Mills	Bagdad, KY	40003	Shelby	20	feed	22
Baird Dairy	Clarksville, IN	47129	Clark	20	ice cream	4
Barks Lumber Co	Central, IN	47110	Harrison	24	pallets	8
Becker & Durski	Louisville, KY	40208	Jefferson	23	racing silks, harness work	6
Best Made Pallett	Brooks, KY	40109	Bullitt	24	pallets	10
Best of Kentucky	Louisville, KY	40217	Jefferson	25	upholstered wood furniture	11
R.C. Bigelow	Louisville, KY	40299	Jefferson	20	tea	65
Bimmerles	Louisville, KY	40206	Jefferson	24	picture frames	1
Bittners	Louisville, KY	40202	Jefferson	25	custom furniture	75
Blendex	Louisville, KY	40299	Jefferson	20	flour mixes, seasonings	48
Bloemer Food Sales	Louisville, KY	40201	Jefferson	20	chili, BBQ	45
Blue Grass Cooperage	Louisville, KY	40233	Jefferson	24	whiskey barrels	200
Blue River Farm Supply	Palmyra, IN	47164	Harrison	20	feed mixing, lumber,	2
Brinly Hardy	Louisville, KY	40202	Jefferson	35	farm equipment	107
Brown-Forman	Louisville, KY	40201	Jefferson	20	distillers	1435
Brown Wood Preserving	Louisville, KY	40214	Jefferson	24	wood treating	25
Bunton Company	Louisville, KY	40232	Jefferson	35	turf equipment	110
Burns Packaging	Louisville, KY	40210	Jefferson	26	corrugated shipping containers	60
Burton Lumber Co	Lexington, IN	47138	Scott	24	pallets, lumber, etc	14
The Butler Group, Inc	Louisville, KY	40201	Jefferson	25	wood counters, tops	160
Caldwell Sash	New Albany, IN	47150	Floyd	24	wood sash	1
Caldwell/Moser Leather	New Albany, IN	47150	Floyd	31	leather products	74
Cargill	Shelbyville, KY	40065	Shelby	28	fertilizer	10
Carl Booth & Co	New Albany, IN	47150	Floyd	24	custom veneer plywood	30
Carton Craft	New Albany, IN	47150	Floyd	26	folding paperboard cartons, displays	100
Castille	Louisville, KY	40214	Jefferson	26	packaged giftwrap	32
Champion Wood Products	Jeffersonville, IN	47130	Clark	24	dimension wood, molding, millwork	45
Charles Reichmuth	Shepherdsville, KY	40165	Bullitt	24	lumber	11
Cheese Factory	Borden, IN	47106	Clark	20	cheese	3
Cherry-Burrell Process Equipment	Jeffersontown, KY	40299	Jefferson	35	food & meat processing equipment	200
Chesapeake Container	Louisville, KY	40211	Jefferson	26	corrugated packing and displays	134
Clarendon Flavor Engineering	Louisville, KY	40216	Jefferson	20	food flavorings	10

Appendix D. Listing of Louisville Area Agribusiness Manufacturers

Alphabetic Listing of Louisville Metro Area Agribusiness Manufacturers (cont)

Company	City, State	Zip Code	County	SIC	Products	Jobs
Coca Cola Bottling	Shelbyville, KY	40066	Shelby	20	closed	48
Commonwealth Fabricators	Louisville, KY	40299	Jefferson	24	custom casework	10
Container Corporation of America	Louisville, KY	40223	Jefferson	26	corrugated boxes	135
Corpane	Louisville, KY	40299	Jefferson	35	vacuum distillation equipment	50
Courier Carton	Louisville, KY	40299	Jefferson	26	folding cartons	43
Covers Unlimited	Jeffersonville, IN	47130	Clark	23	boat and auto covers	20
Creative Engineering & Mfg	Crestwood, KY	40014	Oldham	23	draperies & bedspreads	13
Creative Graphics	Louisville, KY	40204	Jefferson	22	screen process printing	5
EM Cummings Veneers	New Albany, IN	47150	Floyd	24	veneer	65
BL Curry & Sons	New Albany, IN	47150	Floyd	24	veneer	74
Curtis 1000	Louisville, KY	40232	Jefferson	26	envelopes	127
Custom Cabinets	Louisville, KY	40214	Jefferson	25	cabinets, bookcases, chests	19
Custom Fabricators	Louisville, KY	40204	Jefferson	25	cabinets, tops	2
Custom Millwork	Louisville, KY	40218	Jefferson	24	wood cabinets	3
Custom Packaging Co	Louisville, KY	40232	Jefferson	20	meal packs	43
Custom Plywood	New Albany, IN	47150	Floyd	24	plywood products	15
DBM Inc	Louisville, KY	40204	Jefferson	24	cabinetry	7
Dawn Food Products	Louisville, KY	40214	Jefferson	20	frostings, baking mixes	145
Dawson-Baker Packing	Louisville, KY	40204	Jefferson	20	meat products	50
Dayton Carton-KY	Louisville, KY	40269	Jefferson	26	cartons	47
Dean Milk Co	Louisville, KY	40218	Jefferson	20	milk, cottage cheese	127
Hyman Debrovy & Sons	Louisville, KY	40202	Jefferson	23	tarps, tents, etc	4
Deco Paper Products	Louisville, KY	40203	Jefferson	26	paper plates	85
Dehart Pallet & Lumber	Austin, IN	47102	Scott	24	lumber, pallets	20
Delmonico Foods	Louisville, KY	40217	Jefferson	20	macaroni, spaghetti	95
Delta Manufacturing	Louisville, KY	40299	Jefferson	23	bedding	125
Derby Cap Mfg	Louisville, KY	40232	Jefferson	23	caps	65
Derby Cone Co	Louisville, KY	40299	Jefferson	20	ice cream cones	87
Dial One Custom Workshop	Louisville, KY	40213	Jefferson	24	wood cabinets	8
Double Envelope Corp	Fairdale, KY	40118	Jefferson	26	envelopes	101
Down River Forest Products	Louisville, KY	40256	Jefferson	24	wood doors, etc	80
Dura Containers Corp	Louisville, KY	40214	Jefferson	24	appliance bases, misc. wood products	25
Ehrmanns Bakery	Louisville, KY	40204	Jefferson	20	ice cream, baked goods	11
Emery Ice Cream	New Albany, IN	47150	Floyd	20	ice cream	3
Faske Wood Moulding	Borden, IN	47106	Clark	24	doors, moldings, stairs, trim	8
Feeders Supply	Louisville, KY	40204	Jefferson	20	livestock feed	9
Fischer Packing	Louisville, KY	40232	Jefferson	20	pork processing	570
Fleenor Sawmill Inc	Scottsburg, IN	47170	Scott	24	sawmill, lumber	6
Flexible Materials	Louisville, KY	40299	Jefferson	24	edgebanding, veneer	150
Floyds Knobs Mfg Co	Floyds Knobs, IN	47119	Floyd	25	wood furniture, plaques	4
Formwoods Inds	Jeffersonville, IN	47130	Clark	24	veneer	16
Franklin Trading Great Harvest Bread	Louisville, KY	40207	Jefferson	20	bread	35
Frito-Lay	Louisville, KY	40216	Jefferson	20	potato chips, corn products	250
Henry Fruechtenicht	Louisville, KY	40202	Jefferson	20	livestock feed	17
Fudge Farm	Clarksville, IN	47129	Clark	20	fudge, pretzels, candy	2
Gamble Brothers	Louisville, KY	40214	Jefferson	24	Masonite mfg	158
Georgetown Truss	Georgetown, IN	47122	Floyd	24	floors&trusses	15
Gettelfinger Popcorn	Palmyra, IN	47164	Harrison	20	popcorn	10
JL Gilbert Co	Sellersburg, IN	47172	Clark	24	chipboard, etc	20
Gittings Bedding	Louisville, KY	40206	Jefferson	23	pillows, mattresses	5
Givens Welding & Fabrications	Louisville, KY	40272	Jefferson	35	distillation equipment	9
Golden Brands	Louisville, KY	40201	Jefferson	20	shortening	60
Golden Foods	Louisville, KY	40201	Jefferson	20	edible oils	70
Gordon Foods	Louisville, KY	40210	Jefferson	20	chips	42
Grindmaster Corp	Louisville, KY	40299	Jefferson	35	coffee brewers, coffee & peanut grinders	64
Grocers, Ice&Cold Storage	Louisville, KY	40202	Jefferson	20	ice	6
Haas Cabinet Co	Sellersburg, IN	47172	Clark	24	cabinets	168
J. W. Haywood & Sons Dairy	Louisville, KY	40210	Jefferson	20	ice cream	4
Heritage Hardwoods	Jeffersonville, IN	47130	Clark	24	veneer	60
Hoerter & Son	Louisville, KY	40206	Jefferson	20	meat packing	2
Hoosier Wood Floors	Charlestown, IN	47111	Clark	24	hardwood flooring	30

Appendix D. Listing of Louisville Area Agribusiness Manufacturers

Alphabetic Listing of Louisville Metro Area Agribusiness Manufacturers (cont)

Company	City, State	Zip Code	County	SIC	Products	Jobs
Huber Orchards	Borden, IN	47106	Clark	20	winery	10
Hudson Foods	Corydon, IN	47112	Harrison	20	poultry processing	260
Ideal Wood Products	New Albany, IN	47150	Floyd	24	doors & panels	64
Independent Container	Louisville, KY	40214	Jefferson	26	corrugated boxes, packing material	180
Inland Container	Louisville, KY	40218	Jefferson	26	corrugated boxes	142
Instant Products, Inc	Louisville, KY	40232	Jefferson	25	wood rocking chairs, child furniture	63
Interior Systems Mfg	Louisville, KY	40213	Jefferson	24	custom cabinetry	8
International Processing	Louisville, KY	40218	Jefferson	20	bakery prods for animal feed	10
International Burial Dress Co	Louisville, KY	40214	Jefferson	23	burial dresses, veils	6
Irish Hill Foods	Louisville, KY	40204	Jefferson	20	meat packing	20
J & J Pallet	Clarksville, IN	47129	Clark	24	pallets	32
J&J Pallets	New Albany, IN	47150	Floyd	24	pallets & wood mulch	21
JC Marine Mfg	Utica, IN	47130	Clark	23	canvas products	2
Jefferson Wood Working	Louisville, KY	40210	Jefferson	24	wood table products	60
Jim Beam Brands	Clermont, KY	40110	Bullitt	20	distillers	485
John Canter Cabinets	New Albany, IN	47150	Floyd	24	cabinets & bookcases	9
John Conti Coffee	Louisville, KY	40218	Jefferson	20	coffee	97
Keller Mfg Co	Corydon, IN	47112	Harrison	25	dining & bedroom furniture	175
Kelvin Corp	Louisville, KY	40204	Jefferson	24	bourbon barrels	10
Kent Feeds	Louisville, KY	40204	Jefferson	20	livestock feeds	30
Kentuckiana Wood Products	Clarksville, IN	47129	Clark	24	pallets	10
Kentucky Indiana Lumber	Louisville, KY	40208	Jefferson	24	millwork	70
Kentucky Millwork	Louisville, KY	40213	Jefferson	24	millwork	25
Kentucky Paper Box	Louisville, KY	40210	Jefferson	26	folding cartons, set-up paper boxes	31
Kentucky Wood Floors	Louisville, KY	40213	Jefferson	24	wood floors	75
Don Kepley Wholesale Meats	New Albany, IN	47150	Floyd	20	meat processing & packing	13
Kerns Kitchen	Louisville, KY	40299	Jefferson	20	pies, cakes	5
Kimball Office Furniture	Borden, IN	47106	Clark	25	wood office furniture	470
Kinetic Wood Truss Mfg	Pewee Valley, KY	40056	Oldham	24	wood trusses	45
Kister Wood Products	Louisville, KY	40217	Jefferson	24	cabinets	100
Kitchen Kompact	Jeffersonville, IN	47130	Clark	24	wood cabinets	250
Kizito Inc	Louisville, KY	40204	Jefferson	20	cookies	7
Koetter's Woodworking	Borden, IN	47106	Clark	24	molding, cabinet parts, doors, stairs	200
Bill Kraemer Veneers	New Albany, IN	47150	Floyd	24	veneer plywood, doors	20
Krispy Kreme Doughnut	Louisville, KY	40216	Jefferson	20	doughnuts	45
Label Specialties	Louisville, KY	40222	Jefferson	26	labels	16
Labels Unlimited	New Albany, IN	47150	Floyd	26	labels	n/a
Lady J & Co	New Albany, IN	47150	Floyd	23	women's leisure ware	5
Lanhams Reproduction Shop	Louisville, KY	40211	Jefferson	25	wood furniture	2
Ledco	Shelbyville, KY	40065	Shelby	24	wood doors	120
Lee-McClain	Shelbyville, KY	40065	Shelby	23	men's clothing	52
Leggett & Platt	Louisville, KY	40210	Jefferson	25	bed foundations	10
Liqui-Dri Foods	Louisville, KY	40223	Jefferson	20	batters, mixes	300
Louise's, Inc	Shelbyville, KY	40065	Shelby	20	potato & tortilla chips	200
Louisville Bedding Co	Louisville, KY	40299	Jefferson	23	bedding	900
Louisville Chemical Co	Louisville, KY	40202	Jefferson	28	Insecticides	24
Louisville Envelope Manufacturing	Louisville, KY	40202	Jefferson	26	envelopes	10
Louisville Glove Company	Louisville, KY	40213	Jefferson	23	gloves	25
Louisville Hardwoods	New Albany, IN	47150	Floyd	24	lumber	25
Louisville Hardwoods	Louisville, KY	40210	Jefferson	24	lumber	55
Louisville Home Fashions	Jeffersonville, IN	47130	Clark	23	bedspreads & linen	150
Louisville Label	Louisville, KY	40212	Jefferson	26	gummed labels	35
Louisville Ladder Corp	Louisville, KY	40208	Jefferson	24	wood ladders	450
Louisville Lumber & Millwork	Louisville, KY	40233	Jefferson	24	millwork	35
Louisville Manufacturing	Louisville, KY	40212	Jefferson	23	jackets, caps	297
Louisville/Saydah Home Fashions	Louisville, KY	40210	Jefferson	23	placemats, chairpads, napkins	200
Louisville Tent & Awning	Louisville, KY	40204	Jefferson	23	awnings, banners	12
Lynco Millwork & Mfg	New Albany, IN	47150	Floyd	24	wood cabinets	20
Lyndon Millwork	Louisville, KY	40299	Jefferson	24	windows, stairways, doors	11
M Fine & Sons	New Albany, IN	47150	Floyd	23	men's shirts	325
Mafcote Industries	Louisville, KY	40210	Jefferson	26	portioned cups	85

Appendix D. Listing of Louisville Area Agribusiness Manufacturers

Alphabetic Listing of Louisville Metro Area Agribusiness Manufacturers (cont)

Company	City, State	Zip Code	County	SIC	Products	Jobs
Marty's Confectionery	Louisville, KY	40258	Jefferson	20	cotton candy, gourmet popcorn	2
Marwood Inc	Jeffersonville, IN	47130	Clark	24	veneer	12
Memphis Meat Processing	Memphis, IN	47143	Clark	20	beef & pork processing	5
Merchant's Ice & Cold Storage	Louisville, KY	40204	Jefferson	20	ice	35
Merrill Mfg	Scottsburg, IN	47170	Scott	25	wooden waterbed frames	12
Mesa Food Products	Louisville, KY	40211	Jefferson	20	tortillas & tortilla chips	350
Micropak	Louisville, KY	40211	Jefferson	20	microwave popcorn	23
Mid-America Dairymen Inc	Louisville, KY	40218	Jefferson	20	milk & milk products	63
Midwest Paper Products	Louisville, KY	40210	Jefferson	26	corrugated shipping containers	27
Midwest Veneers	Clarksville, IN	47129	Clark	24	hardwood veneer	22
Miller Processing	Georgetown, IN	47122	Floyd	20	slaughtering & processing	8
Millstone Farm Sausage	Shelbyville, KY	40065	Shelby	20	sausage	5
Monfort	Louisville, KY	40232	Jefferson	20	pork packing plant	900
Monroe Pallet & Mfg	Shelbyville, KY	40065	Shelby	24	pallets	3
Morgan Foods Inc	Austin, IN	47102	Scott	20	soup & vegetable canning	460
John Moss & Son	Louisville, KY	40204	Jefferson	25	upholstered furniture	2
Mother Goose Originals	New Albany, IN	47150	Floyd	24	wood gifts	1
Mothers Cookies	Louisville, KY	40216	Jefferson	20	cookies	450
Muth's Candies	Louisville, KY	40202	Jefferson	20	candy	12
National Products, Inc	Louisville, KY	40204	Jefferson	24	plywood wall panel, doors	48
National Tobacco Co	Louisville, KY	40232	Jefferson	21	chewing tobacco	200
Nature's Resources, Inc	Louisville, KY	40223	Jefferson	28	liquid limestone & sulphur	10
New Albany Box & Basket	New Albany, IN	47150	Floyd	24	wooden fruit & veg. baskets	69
New Albany Componet & Truss	New Albany, IN	47150	Floyd	24	floors and trusses	20
New Haven Moving Equipment Corp	Louisville, KY	40217	Jefferson	22	furniture pads	9
Norstam Veneers	Mauckport, IN	47142	Harrison	24	veneer	85
Northern Star Minerals	New Albany, IN	47150	Floyd	28	fertilizer blending	16
Northland Corp	La Grange, KY	40031	Oldham	24	lumber & veneer	138
O K Tent & Awning	Louisville, KY	40202	Jefferson	23	awnings	6
Oates Flag Company	Louisville, KY	40299	Jefferson	23	flags, pennants, banners	15
Oertel Brewing	Louisville, KY	40206	Jefferson	20	beer	5
Ohio Valley Door	New Albany, IN	47150	Floyd	24	wooden doors & panels	27
OP Link Handle	Mauckport, IN	47142	Harrison	24	wood handles	11
Packaging Service	Louisville, KY	40211	Jefferson	26	corrugated board	75
Packaging Unlimited	Louisville, KY	40210	Jefferson	26	corrugated packaging	140
Paradise Tomato Kitchens	Louisville, KY	40208	Jefferson	20	tomato-based food	15
Paramount Foods	Louisville, KY	40232	Jefferson	20	pickles, canned meat products	242
Paramount Plywood Products	New Albany, IN	47150	Floyd	24	hardwood lumber & plywood	75
Pepsi-Cola Bottlers	Austin, IN	47102	Scott	20	beverages, beverage containers	77
Pepsi-Cola General Bottlers	Louisville, KY	40233	Jefferson	20	soft drinks	232
Pfau's George	Jeffersonville, IN	47130	Clark	20	oils, tallows	n/a
Philip Morris USA	Louisville, KY	40201	Jefferson	21	cigarettes	2364
Phoenix Hill Die Cutting & Design	Louisville, KY	40204	Jefferson	26	fiber cartons	30
Pillsbury	New Albany, IN	47150	Floyd	20	dough products	526
Plehns Bakery	Louisville, KY	40207	Jefferson	20	ice cream, baked goods	34
Pliable Veneers	New Albany, IN	47150	Floyd	24	wood veneer	50
Prince Custom Cabinets	Louisville, KY	40202	Jefferson	24	cabinets	6
Promotional Packaging	Louisville, KY	40210	Jefferson	26	display packaging	32
Protein Technology	Louisville, KY	40217	Jefferson	20	soy protein isolates, meal	90
Purina Mills	Louisville, KY	40233	Jefferson	20	livestock feed	44
Purnell Sausage Co	Simpsonville, KY	40067	Shelby	20	sausage	240
Rainbo Baking	Louisville, KY	40208	Jefferson	20	bread, baked goods	330
Ramsey Popcorn	Ramsey, IN	47166	Harrison	20	popcorn	55
Raque Food Systems, Inc	Louisville, KY	40269	Jefferson	35	food processing equipment	95
Rebco	Louisville, KY	40214	Jefferson	26	corrugated paper products	13
Renaissance Wood Products	Louisville, KY	40218	Jefferson	25	cue racks	8
Rigo Co	Buckner, KY	40010	Oldham	28	pesticides	30
Allen Robertson & Co	Louisville, KY	40204	Jefferson	20	vitamins, mineral supplements, feed	7
Robertson Country Meats	Finchville, KY	40022	Shelby	20	country ham	8
Rosalco Woodworking	Jeffersonville, IN	47130	Clark	24	woodworking & millwork	50
Royal Crown Bottling Co	Louisville, KY	40214	Jefferson	20	soft drinks	165

Appendix D. Listing of Louisville Area Agribusiness Manufacturers

Alphabetic Listing of Louisville Metro Area Agribusiness Manufacturers (cont)

Company	City, State	Zip Code	County	SIC	Products	Jobs
Ruddell Clark Candies	Louisville, KY	40207	Jefferson	20	candy	2
C. Rueff Sign Co, Inc	Louisville, KY	40206	Jefferson	24	wood routed signs & letters	23
Ruth's Drapery Service	Jeffersonville, IN	47130	Clark	23	draperies	5
St. Joe Container	Louisville, KY	40232	Jefferson	26	corrugated containers	110
Sanders Sawmill	Corydon, IN	47112	Harrison	24	sawmill, lumber	9
Schmidt Cabinet Co	New Salisbury, IN	47161	Harrison	24	wood cabinets	95
Shelby Bakery	Louisville, KY	40203	Jefferson	20	bakery products	5
Shireman Pallets	Corydon, IN	47112	Harrison	24	pallets	3
Shively Wood Products	Louisville, KY	40216	Jefferson	24	wood products, furniture	15
Silver Foods	Louisville, KY	40212	Jefferson	20	pancake syrup, salad dressing	20
Smith & Logsdon	Louisville, KY	40203	Jefferson	23	neckties, cloth bags	31
Sonoco Products	Jeffersonville, IN	47130	Clark	26	fiberboard containers	11
Southeastern Dairies	Louisville, KY	40214	Jefferson	20	fluid milk, juice	120
Southeastern Ice Co	Louisville, KY	40206	Jefferson	20	ice	5
Southern Standard Cartons	Louisville, KY	40299	Jefferson	26	paperboard boxes	160
Southern States - Lagrange Coop	La Grange, KY	40031	Oldham	28	fertilizer	9
Southwestern Tobacco Co	Shelbyville, KY	40065	Shelby	24	hogshead repairing	19
Spawn Mate	New Albany, IN	47150	Floyd	28	organic fertilizer	13
Specialty Mfg of IN	Jeffersonville, IN	47130	Clark	26	cardboard shipping containers	3
Standard Foods Inc	Louisville, KY	40204	Jefferson	20	meat dishes, BBQ, chili, soup	48
Starlite Cabinet Co	Borden, IN	47106	Clark	24	cabinets, bookcases	38
Starr Draperies	Louisville, KY	40204	Jefferson	22	draperies, bedspreads	32
Stemwood Corp	New Albany, IN	47150	Floyd	24	veneers	80
Stone Container	Louisville, KY	40233	Jefferson	26	coated papers, bags	160
Stone Container	Louisville, KY	40299	Jefferson	26	corrugated shipping containers	23
Stry-Lenkoff	Louisville, KY	40232	Jefferson	26	dry cleaning tags	175
Superior Distributing Co	Louisville, KY	40211	Jefferson	23	pallet pads, wiping cloths	22
Tempo Designs Ltd	Louisville, KY	40209	Jefferson	25	furniture	45
Thompson Custom Cabinets	Mt. Washington, KY	40047	Bullitt	24	wood cabinets	22
Thoroughbred Containers	Louisville, KY	40211	Jefferson	26	corrugated displays	115
The Torbitt & Castleman Co	Buckner, KY	40010	Oldham	20	syrups, sauces	27
Tova Industries	Louisville, KY	40299	Jefferson	20	dry soups, seasonings	35
Town Talk Cap Mfg Co	Louisville, KY	40258	Jefferson	23	caps, hats, visors	135
Triple A Woodworking	New Salisbury, IN	47161	Harrison	24	sawmill	10
U.S. Housing Components	Buckner, KY	40010	Oldham	24	prefab housing parts	105
U.S. Specialties Millwork, Inc	Louisville, KY	40206	Jefferson	24	architectural millwork	12
United Distillers Production	Louisville, KY	40201	Jefferson	20	distilled spirits	200
United Distillers Production	Louisville, KY	40210	Jefferson	20	distillers dried grains, bourbon	24
Universal Barrel Corp	Louisville, KY	40219	Jefferson	24	barrels, kegs	15
Universal Denim Services	Louisville, KY	40208	Jefferson	23	stonewashed denim garments	154
Universal Woods	Louisville, KY	40299	Jefferson	24	particle & fiber board	40
Vendome Copper & Brass Works	Louisville, KY	40202	Jefferson	35	brewery & food processing equipment	45
Vogel Popcorn	Corydon, IN	47112	Harrison	20	popcorn	2
W-M Lumber & Wood Products	New Albany, IN	47150	Floyd	24	pallets, boxes, lumber	18
Wakelam Lumber Co	Scottsburg, IN	47170	Scott	24	pallets, lumber	5
Walker Bag Mfg	Louisville, KY	40299	Jefferson	23	burlap & cotton bags	10
Wieland Cabinet	Louisville, KY	40206	Jefferson	24	wood cabinets	15
Willamette Industries	Louisville, KY	40218	Jefferson	26	corrugated packaging	160
DD Williamson	Louisville, KY	40206	Jefferson	20	baking ingredients carmel coloring	42
Winston Products Co	Louisville, KY	40299	Jefferson	35	commercial fat filters	131
Wood-Lore	New Albany, IN	47150	Floyd	24	wood craft items	18
Woodesign	Jeffersontown, KY	40299	Bullitt	24	wood cabinets	5
The Woodshop	New Albany, IN	47150	Floyd	24	wood treating, custom millwork, cabinets, etc.	2
Woodtek	New Albany, IN	47150	Floyd	24	wood cabinets	5
Wright Enterprises	Louisville, KY	40214	Jefferson	25	wood cabinets & brochure racks	4
Wyandot Inc	Jeffersonville, IN	47130	Clark	20	chips, tacos	250
Wynn Starr Foods of KY	Louisville, KY	40214	Jefferson	20	flavoring & seasonings	43

Sources: Kentucky Cabinet for Economic Development, Kentucky Directory of Manufacturers, 1995"; and "Indiana Industrial Directory, 1995".

E. Measurement Issues, Agribusiness Manufacturing

There are no current comprehensive data available on the production activity of firms in the Louisville area. Various indirect, incomplete, and dated measures are available from a number of sources. Users should bear in mind the necessarily rough precision of estimates provided. Due to the variety of sources and methods used, no statistical confidence intervals can be provided. Given that most estimates are generated from a national system of economic statistics, and therefore controlled to good national totals, wildly errant estimates are unlikely.

Good listings of area manufacturers are provided in the *Kentucky Directory of Manufacturers* and the *Indiana Directory of Manufacturers*. These provide the address, SIC code, and employment level for most manufacturing firms in the area. The directories do not provide estimates of payroll, sales, cost of materials, value added, or other economic information useful for our study. Because the publications are intended to be directories and not as sources of statistical estimates, caution is recommended in using aggregations of the data. A manufacturer producing a number of different products may be listed separately under each product, reporting its total employment in each entry.

The quinquennial *Census of Manufacturers*, published by the US Census Bureau provides summary estimates of the number of establishments, the number of employees, the value of payroll, the cost of materials, value added, the value of shipments, and capital investments. The latest Louisville area data is from the just released *1992 Census of Manufacturers*. In the accompanying table, we have compiled summary job estimates from the 1972, 1977, 1982, 1987, and 1992 censuses. While excellent industrial detail is published for a few industries (where there are many small firms), the Census Bureau is not allowed to publish estimates for industries dominated by a few firms. In these cases, the Bureau reports a size category rather than the actual figure.

County Business Patterns, another publication of the US Census Bureau, provides annual estimates of the number of firms, the number of employees, and total payroll - sometimes at a detailed industrial level for each county. Estimates refer only to wage and salary workers; proprietors are not included.

Like the *Census of Manufacturers*, *County Business Patterns* cannot disclose data that would allow the user to identify an individual firm. Hence, the published data varies widely in its industrial detail for agribusiness producers. As a result of tight confidentiality rules, very little detail is published for agribusiness producers in Louisville MSA counties. Some industrial detail is available on Jefferson County, but almost none for the other counties. Hence, aggregations to metro totals is impossible except for major industry divisions. The latest *County Business Patterns* estimates are for 1993.

Some industrial detail on the annual earnings by workers is available from the *Local Area Personal Income* series, published by the US Bureau of Economic Analysis. The latest release covers each year from 1969 through 1993. It provides estimates of wage, salary and proprietor earnings at the two digit SIC level for industries in the Louisville MSA and its component counties. This source also is subject to tough disclosure rules that prevent the publication of interesting industrial detail.

Finally, our input-output model provides estimates of sales, value added, inter-industry purchases, payroll and employment for each of 513 Louisville area industrial sectors. These estimates are made by the vendor (Regional Science Research Institute) using published and unpublished data from the sources listed above, as well as from regression models calibrated on national-level data. The estimates currently refer to the year 1994.

The accompanying table summarizes the most recent estimates from five major data sources. To illustrate the measurement problems, we have compiled data at three levels of industrial detail. The meat products industry falls under the three digit SIC code, 201. The food and beverage industry is under the two digit code, 20, and includes meat products. Finally, the manufacturing total is provided. It includes all SIC codes between 20 and 39.

Because of the differences in reference years, coverage, and disclosure rules, it is difficult to determine the exact level of employment and value of payroll in, say, the meat products industry in the Louisville area. However, by observing the range of estimates reported, one can get a feel for the size of the industry.

Appendix E. Measurement Issues, Agribusiness Manufacturing

Census of Manufacturers Louisville MSA

SIC	1972	1977	1982	1987	1992
Employees					
20 Food and Kindred	11,700	10,300	8,600	8,000	8,600
23 Apparel	2,300	1,900	2,000	2,200	2,600
24 Lumber and Wood	5,500	4,800	3,400	4,200	3,400
25 Furniture and Fixtures	1,700	1,400	1,100	2,000	1,900
26 Paper products	2,100	1,800	2,000	2,400	2,700
27 Printing and Publishing	7,500	6,800	6,500	7,000	8,000
28 Chemical products	8,600	8,800	7,000	6,600	6,400
30 Rubber and Misc. Plastic	nd	2,000	1,700	3,000	4,300
32 Stone, Clay Glass	2,200	2,100	1,300	2,000	1,900
33 Primary Metals	2,500	2,200	2,300	1,200	1,100
34 Fabricated Metals	13,100	9,600	8,800	9,400	7,500
35 Industrial Machinery	16,400	15,000	10,600	7,100	6,200
36 Electrical Machinery	nd	nd	10,900	nd	5,000-9,999
37 Transportation Equipment	nd	nd	nd	nd	5,000-9,999
38 Instruments	nd	300	300	400	500
39 Misc. mfg.	1,300	1,000	800	1,000	1,000
subtotal of disclosed data	74,900	68,000	67,300	56,500	56,100
Total	113,400	106,900	89,300	86,100	82,400
Value Added					
Total (mil \$)	\$3,023	\$4,441	\$5,280	\$8,321	\$11,207
Value Added per Employee					
Total	\$26,656	\$41,541	\$59,121	\$96,641	\$136,011
PPI: finished goods (1982=100)	41.8	64.7	100	105.4	123.2
VA per Employee (\$1982)	\$63,771	\$64,205	\$59,121	\$91,690	\$110,398
United States Data					
Employees (000)	19,000	19,600	19,094	18,950	18,253
Value Added (mil \$)	\$354,000	\$585,000	\$824,000	\$1,165,917	\$1,428,707.4
Value Added per Employee	\$18,632	\$29,847	\$43,155	\$61,526	\$78,271

Source: US Census Bureau; nd = not disclosed; note that MSA boundary expanded between several of the censuses.

PPI: US Producer Price Index, US Bureau of Labor Statistics.

Different Estimates of Economic Activity in the Louisville MSA Economy

Data Source	Meat Products SIC 201	Food and Beverages SIC 20	All Manufacturing SIC 20 - 39
Jobs			
1992 Census of Manufacturers	1,700	8,600	82,400
1993 County Business Patterns	nd	nd	82,546
Local Area Personal Income, 1993	nc	nc	89,600
Kentucky Directory of Manufacturers, 1994-95	1,800	9,500	nc
Louisville Area Input-Output Model, 1994	2,062	9,199	82,463
Payroll			
1992 Census of Manufacturers	\$35.8	\$232.2	\$2,576.6
1993 County Business Patterns	nd	nd	\$2,684.9
Local Area Personal Income, 1993	nd	nd	\$3,453.3
Kentucky Directory of Manufacturers, 1994-95	nc	nc	nc
Louisville Area Input-Output Model, 1994	\$35.5	\$208.6	\$3,076.9

Sources: "1992 Census of Manufacturers", US Bureau of the Census, Geographic Area Series, April 1996.

"County Business Patterns, 1993", US Bureau of the Census, September 1995.

"Local Area Personal Income, 1969-93", US Bureau of Economic Analysis, May 1995.

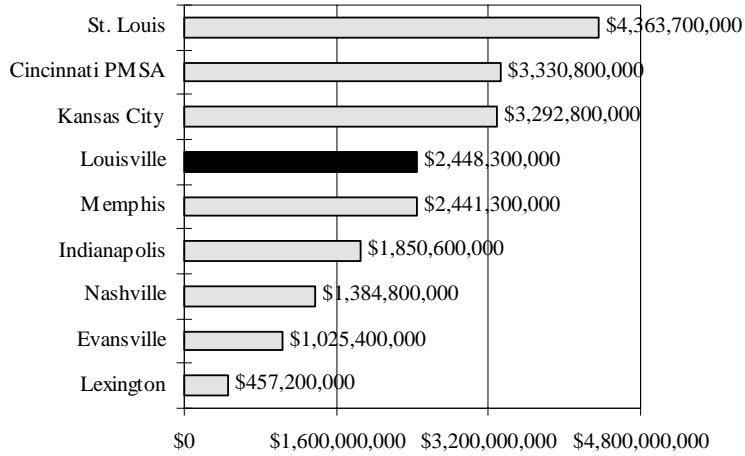
"Kentucky Directory of Manufacturers, 1994", Kentucky Cabinet for Economic Development; and

Indiana Industrial Directory, 1995.

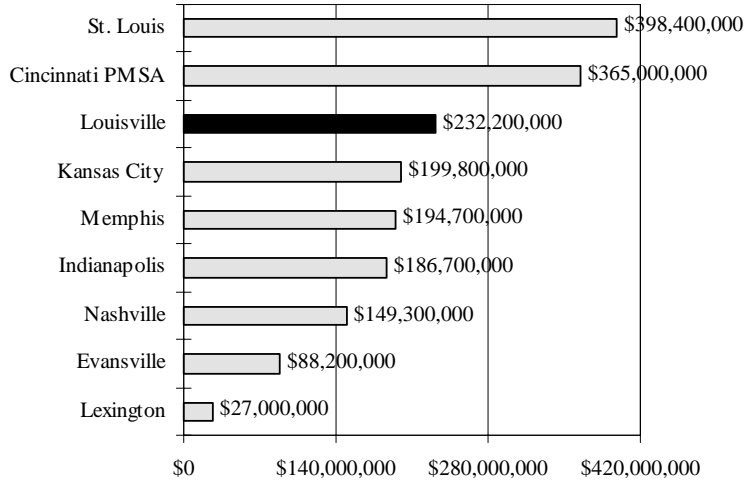
Louisville Area Input-Output Model, Regional Science Research Institute, Version 6.02.

nd = not disclosed by agency; nc = not compiled by agency

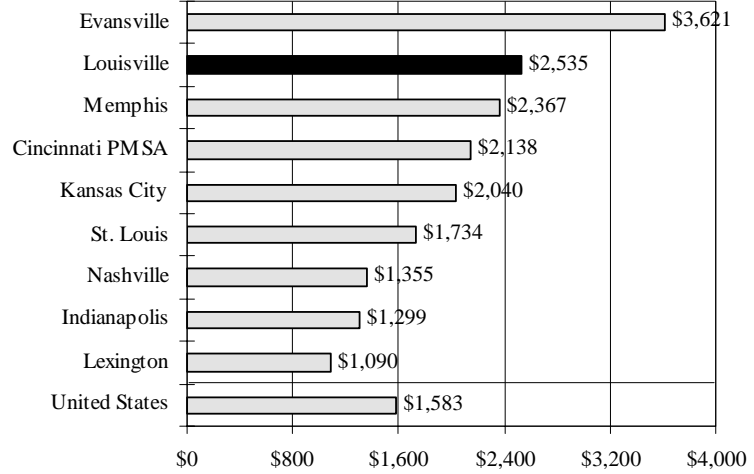
Value of Food & Beverage Industries Shipments, 1992 (SIC 20)



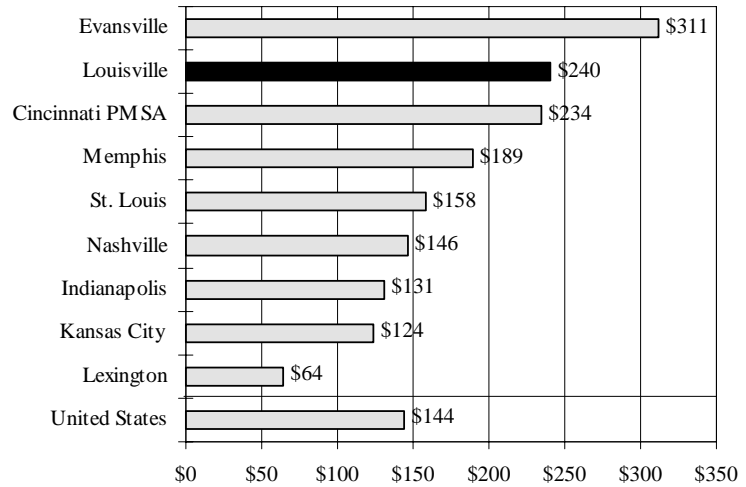
Payroll in Food & Beverage Industries, 1992 (SIC 20)



Value of Food & Beverage Industries Shipments per MSA Resident, 1992 (SIC 20)



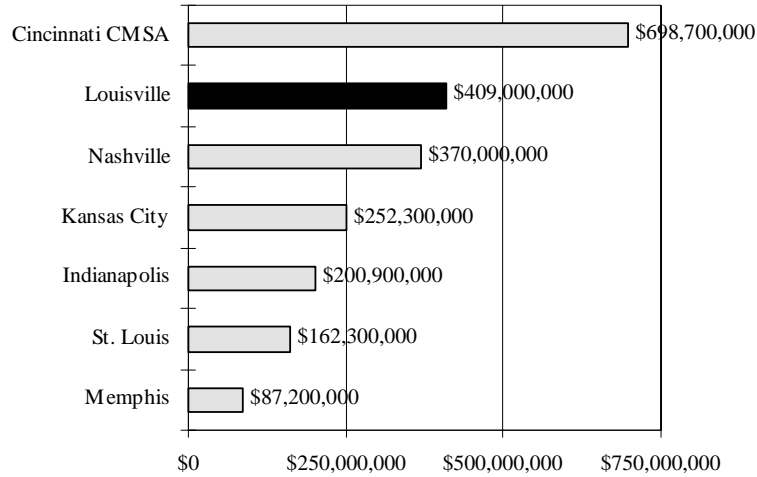
Payroll in Food & Beverage Industries per MSA Resident, 1992 (SIC 20)



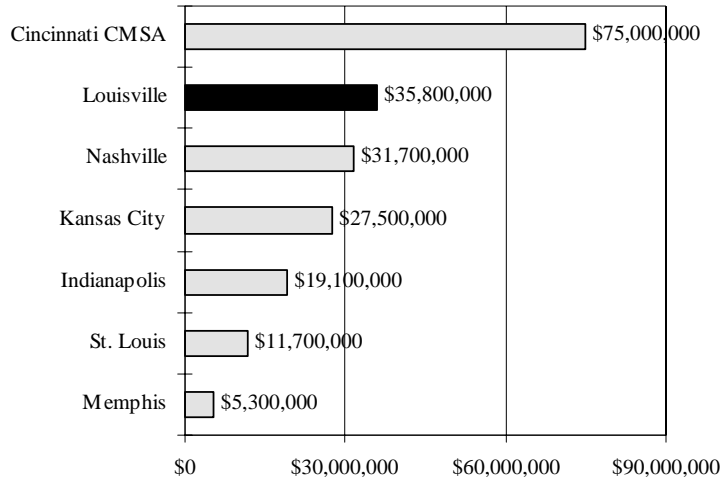
Source: US Bureau of the Census, *1992 Census of Manufacturers*, April 1996.

F. Selected Data from 1992 Census of Manufacturers, Louisville and Comparison Metros

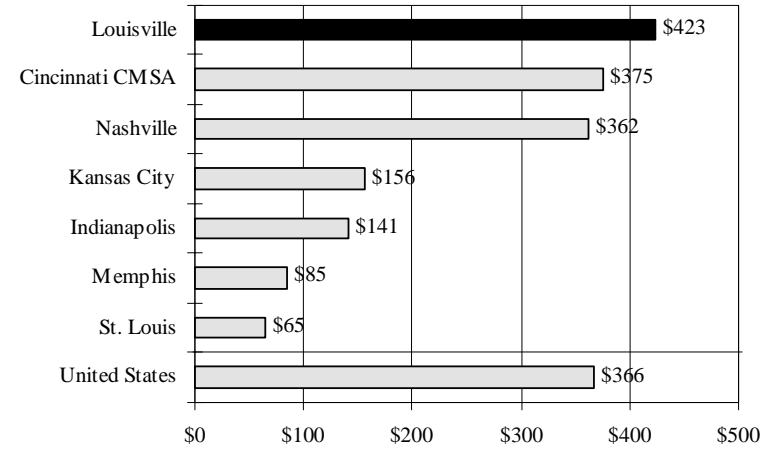
**Value of Meat Shipments, 1992
(SIC 201)**



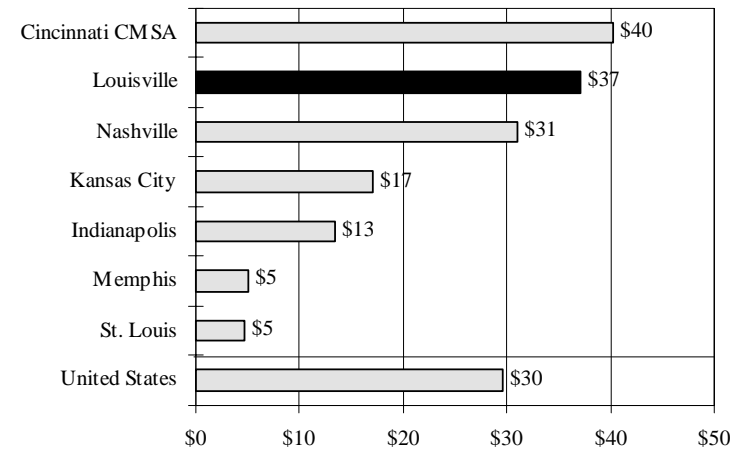
**Payroll in Meat Industry, 1992
(SIC 201)**



**Value of Meat Shipments
per MSA Resident, 1992
(SIC 201)**

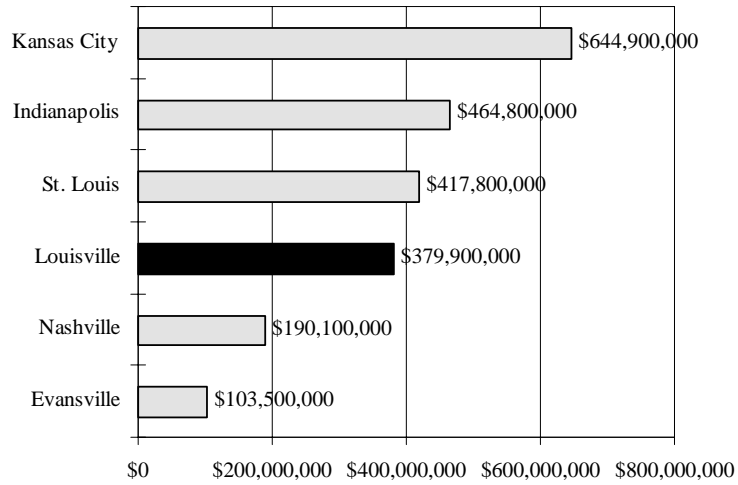


**Payroll in Meat Industry
per MSA Resident, 1992
(SIC 201)**

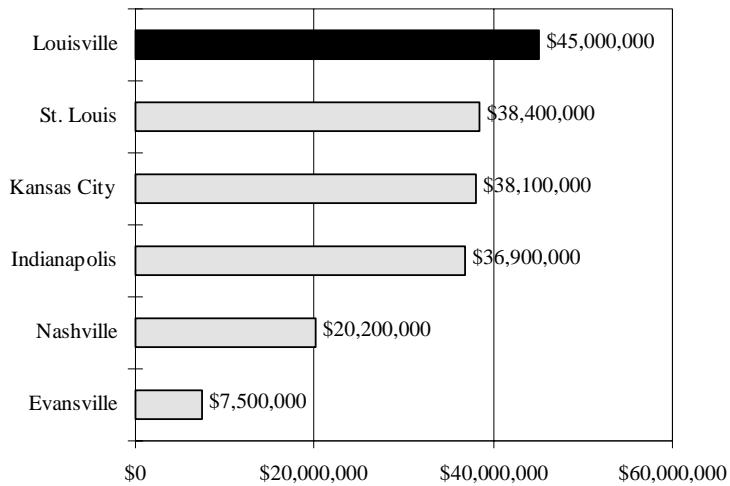


Source: US Bureau of the Census, *1992 Census of Manufacturers*, April 1996.

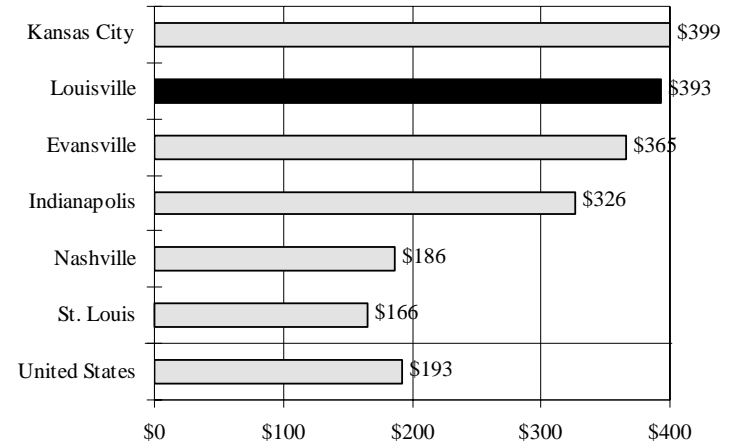
**Value of Grain Mill Product Shipments, 1992
(SIC 204)**



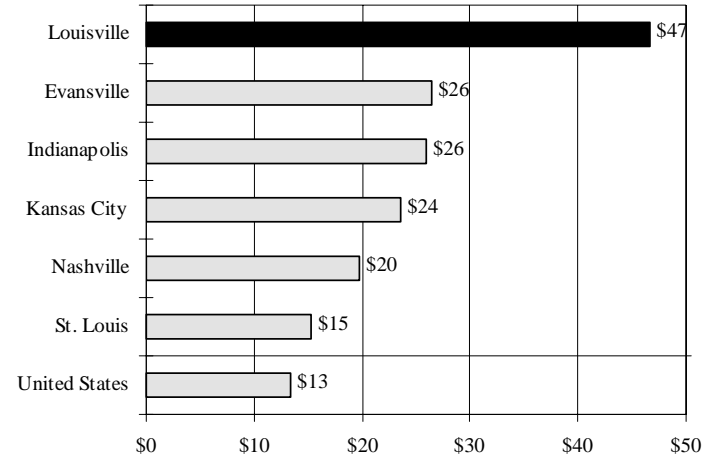
**Payroll in Grain Mill Product Industry, 1992
(SIC 204)**



**Value of Grain Mill Product Shipments
per MSA Resident, 1992
(SIC 204)**

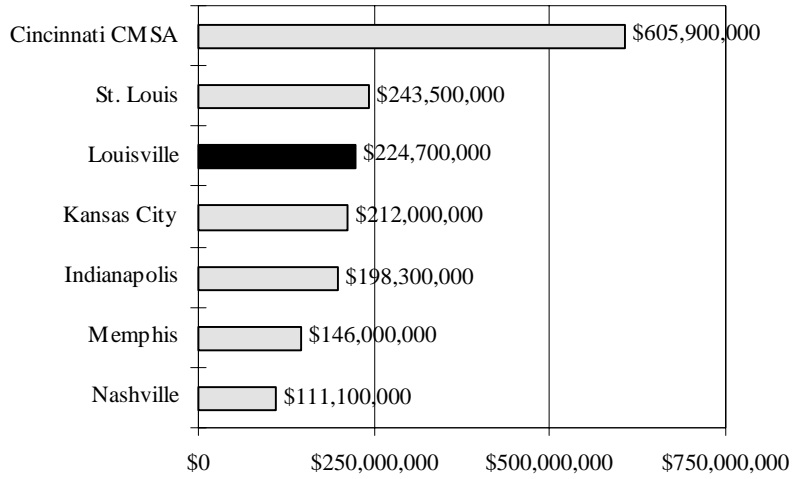


**Payroll in Grain Mill Product Industry
per MSA Resident, 1992
(SIC 204)**

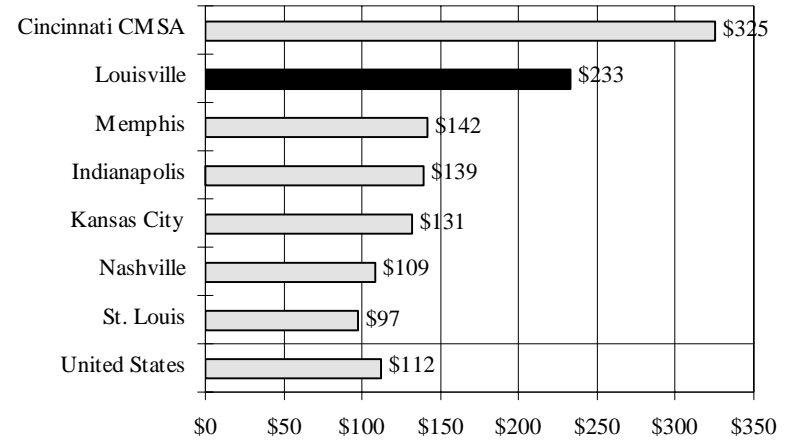


Source: US Bureau of the Census, *1992 Census of Manufacturers*, April 1996.

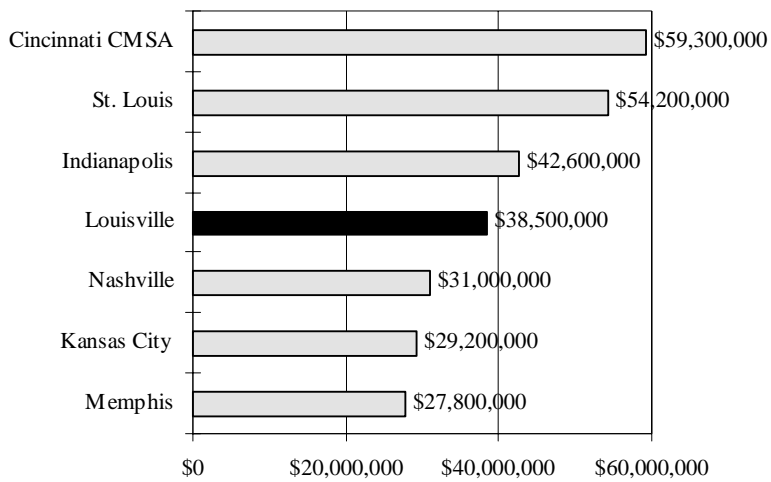
**Value of Bakery Product Shipments, 1992
(SIC 205)**



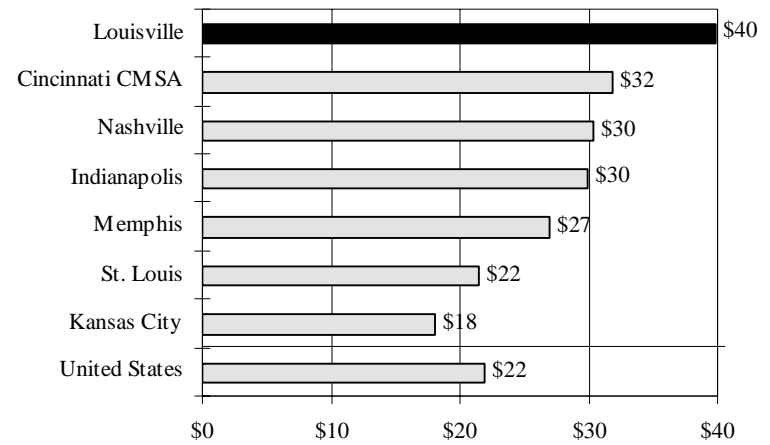
**Value of Bakery Product Shipments
per MSA Resident, 1992
(SIC 205)**



**Payroll in Bakery Product Industry, 1992
(SIC 205)**



**Payroll in Bakery Product Industry
per MSA Resident, 1992
(SIC 205)**

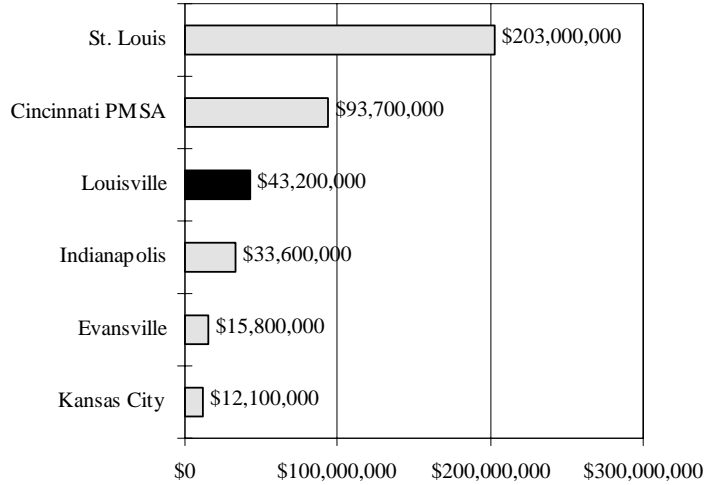


Source: US Bureau of the Census, *1992 Census of Manufacturers*, April 1996.

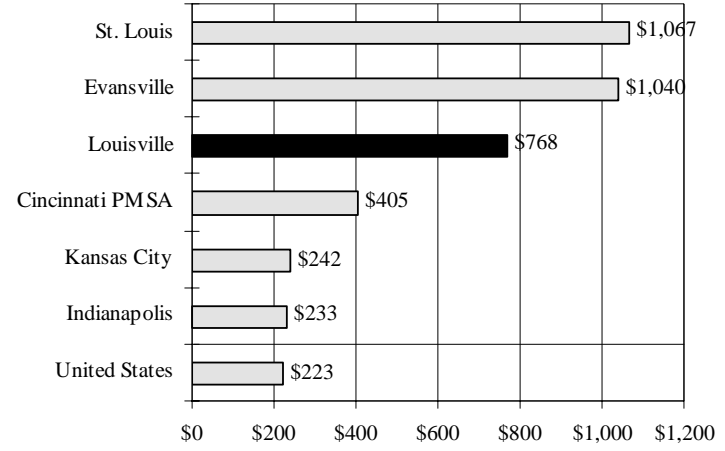
**Value of Beverage Shipments, 1992
(SIC 208)**



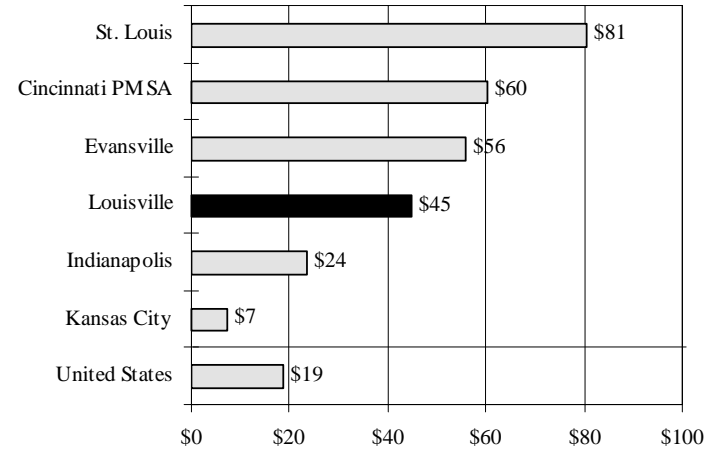
**Payroll in Beverage Industry, 1992
(SIC 208)**



**Value of Beverage Shipments
per MSA Resident, 1992
(SIC 208)**

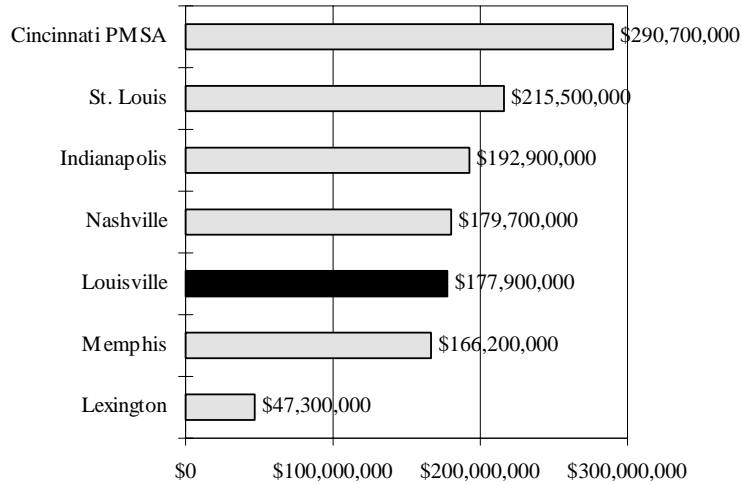


**Payroll in Beverage Industry
per MSA Resident, 1992
(SIC 208)**

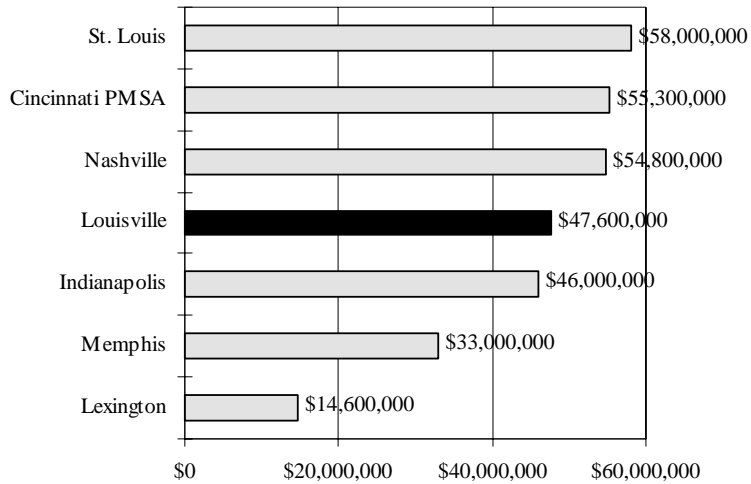


Source: US Bureau of the Census, *1992 Census of Manufacturers*, April 1996.

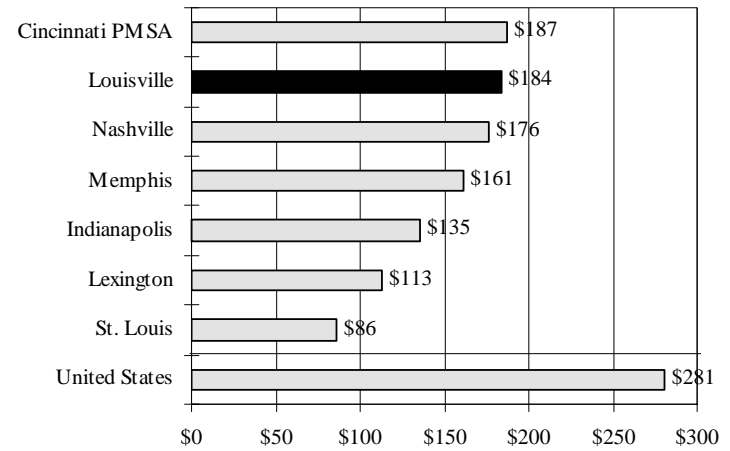
**Value of Apparel Shipments, 1992
(SIC 23)**



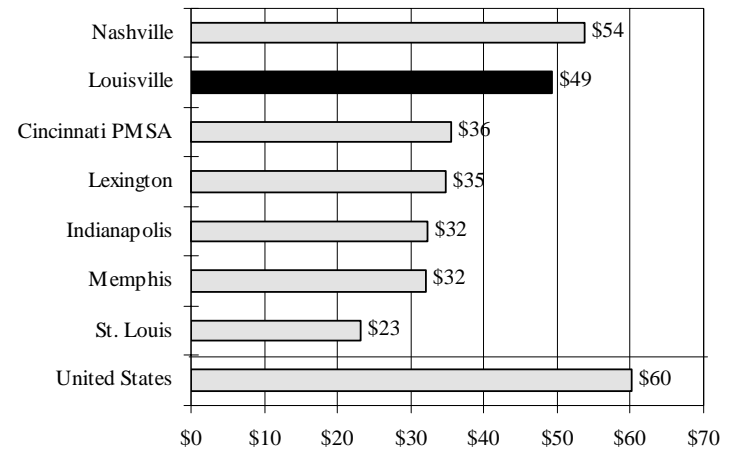
**Payroll in Apparel Industry, 1992
(SIC 23)**



**Value of Apparel Shipments
per MSA Resident, 1992
(SIC 23)**

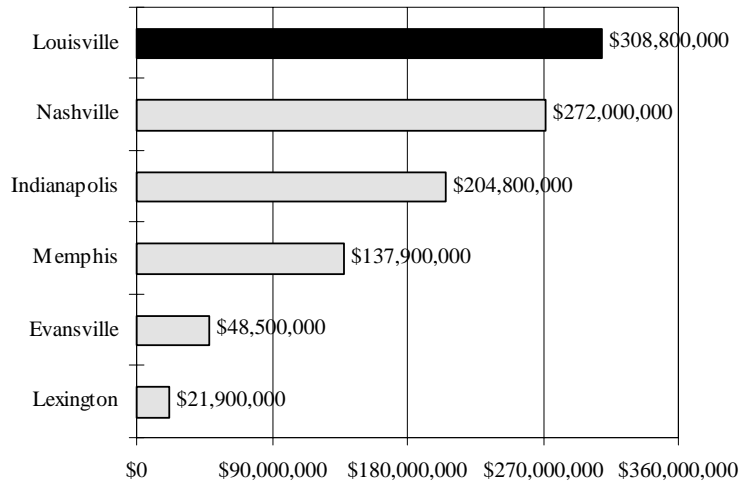


**Payroll in Apparel Industry
per MSA Resident, 1992
(SIC 23)**

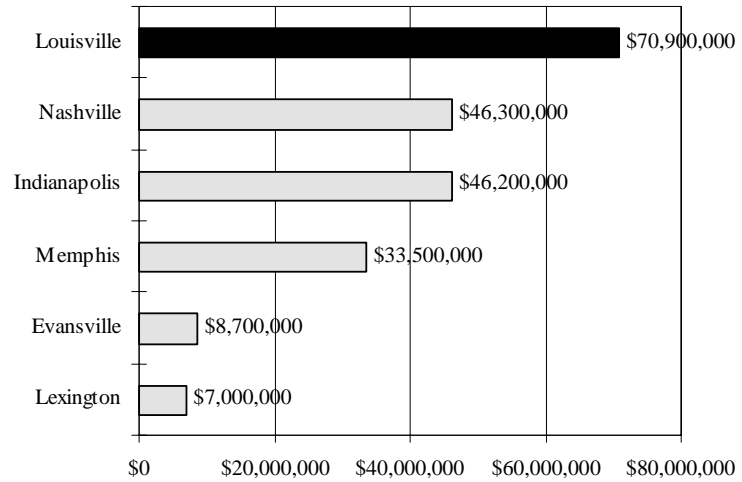


Source: US Bureau of the Census, *1992 Census of Manufacturers*, April 1996.

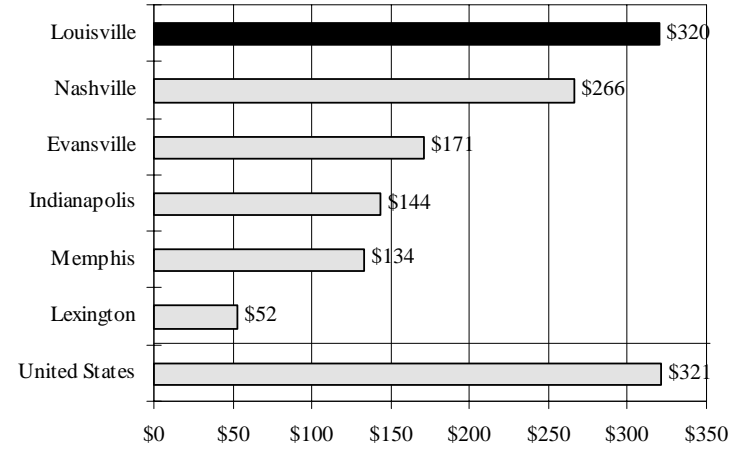
Value of Lumber & Wood Product Shipments, 1992 (SIC 24)



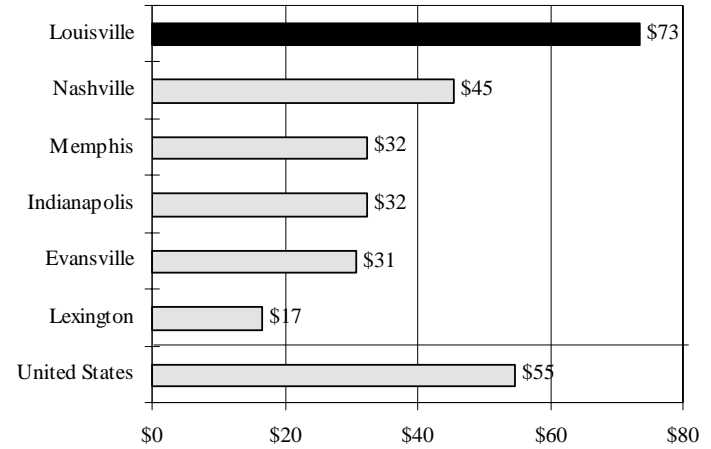
Payroll in Lumber & Wood Industry, 1992 (SIC 24)



Value of Lumber & Wood Product Shipments per MSA Resident, 1992 (SIC 24)

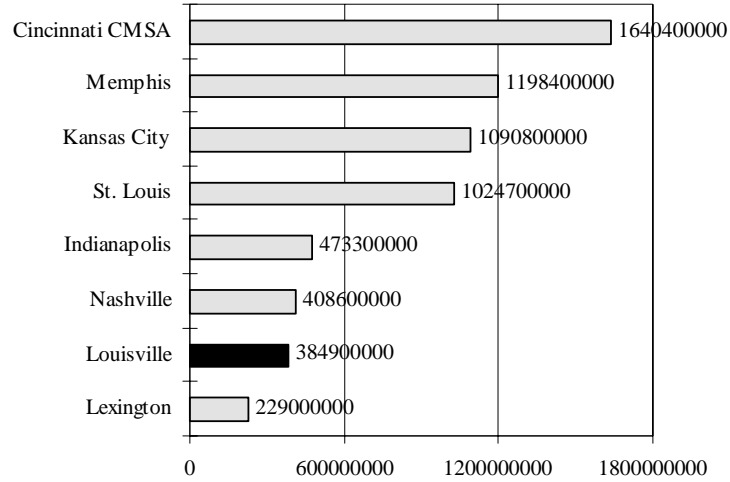


Payroll in Lumber & Wood Industry per MSA Resident, 1992 (SIC 24)

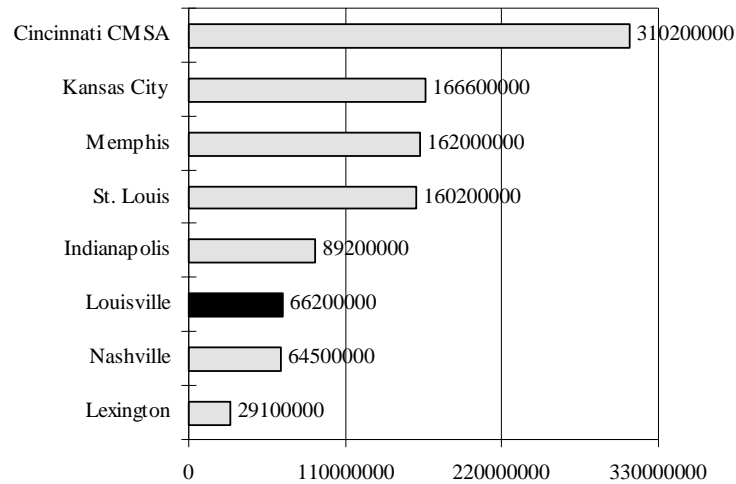


Source: US Bureau of the Census, *1992 Census of Manufacturers*, April 1996.

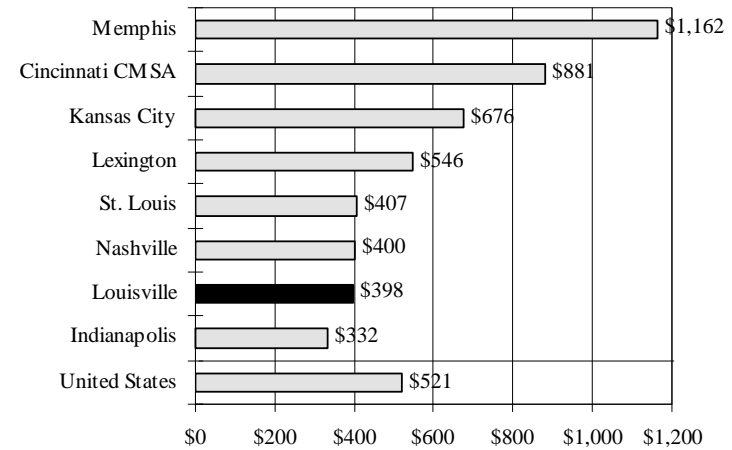
**Value of Paper Product Shipments, 1992
(SIC 26)**



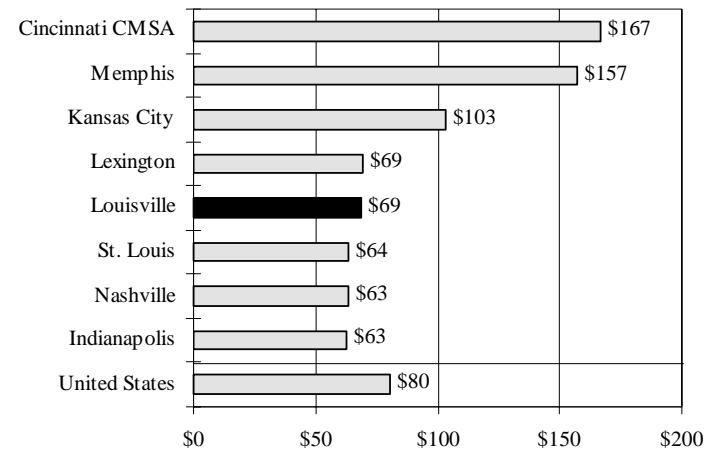
**Payroll in Paper Product Industry, 1992
(SIC 26)**



**Value of Paper Product Shipments
per MSA Resident, 1992
(SIC 26)**



**Payroll in Paper Product Industry
per MSA Resident, 1992
(SIC 26)**



Source: US Bureau of the Census, *1992 Census of Manufacturers*, April 1996.

G. Detailed Estimates of Wholesale Trade Activity, Louisville and Comparison Metros

Wholesale Trade, 1992: Sales and Payroll, Metro Markets										
SIC	Population	Cincinnati	Evansville	Indianapolis	Kansas City	Lexington	Louisville	Memphis	Nashville	St. L.
		1,862,000	283,200	1,424,400	1,614,300	419,400	965,900	1,031,600	1,021,900	2
	Sales									
5031	Lumber, Plywood, Millwork	\$257,171,000	\$65,223,000	\$370,903,000	\$716,616,000	nd	\$355,829,000	\$364,955,000	\$262,768,000	\$409,
511	Paper and Paper Products	\$1,846,740,000	\$44,236,000	\$580,640,000	\$1,058,997,000	\$64,788,000	\$257,743,000	\$694,072,000	\$379,605,000	\$1,412,
513	Apparel	\$343,262,000	\$779,000	\$140,440,000	\$427,821,000	nd	\$50,677,000	\$696,681,000	\$525,127,000	\$1,070,
514	Groceries	\$4,783,625,000	\$401,696,000	\$2,756,975,000	\$6,728,370,000	\$658,263,000	\$1,647,250,000	\$3,756,308,000	\$2,658,098,000	\$4,855,
5153	Grain and Field Beans	\$397,695,000	nd	nd	\$3,825,205,000	\$8,011,000	nd	nd	\$139,524,000	\$3,306,
5154	Livestock	nd	nd	nd	\$165,524,000	\$302,993,000	\$629,511,000	\$47,210,000	nd	nc
5159	Farm Product Raw Materials, nec	nd	nd	nd	\$58,691,000	\$330,044,000	nd	nd	nd	nc
515	Farm Product Raw Materials	\$447,567,000	\$382,901,000	\$427,312,000	\$4,049,420,000	\$641,048,000	\$779,832,000	\$3,027,030,000	\$217,645,000	\$3,536,
518	Beer, Wine, Distilled Beverages	\$323,903,000	\$54,870,000	\$462,821,000	\$394,272,000	\$116,492,000	nd	\$215,814,000	\$280,415,000	\$457,
5191	Farm Supplies	\$113,583,000	\$102,844,000	\$417,386,000	\$546,775,000	\$230,249,000	\$150,371,000	\$254,407,000	\$298,575,000	\$382,
Total Agribusiness Wholesale Trade		\$8,115,851,000	\$1,052,549,000	\$5,156,477,000	\$13,922,271,000	> \$1,710,840,000	> \$3,241,702,000	\$9,009,267,000	\$4,622,233,000	\$12,123,
	Payroll									
5031	Lumber, Plywood, Millwork	\$18,074,000	\$6,859,000	\$22,392,000	\$41,060,000	nd	\$26,407,000	\$23,798,000	\$19,938,000	\$31,
511	Paper and Paper Products	\$104,123,000	\$4,626,000	\$55,335,000	\$94,399,000	\$7,088,000	\$23,574,000	\$38,523,000	\$32,302,000	\$99,
513	Apparel	\$23,687,000	\$103,000	\$10,074,000	\$22,606,000	nd	\$6,394,000	\$23,085,000	\$33,865,000	\$60,
514	Groceries	\$199,884,000	\$20,040,000	\$122,128,000	\$238,000,000	\$31,319,000	\$73,661,000	\$144,054,000	\$122,863,000	\$199,
5153	Grain and Field Beans	\$3,359,000	nd	nd	\$31,214,000	\$621,000	nd	nd	\$1,777,000	\$19,
5154	Livestock	nd	nd	nd	\$945,000	\$2,165,000	\$1,622,000	\$289,000	nd	nd
5159	Farm Product Raw Materials, nec	nd	nd	nd	\$710,000	\$4,589,000	nd	nd	nd	nd
515	Farm Product Raw Materials	\$4,859,000	\$3,458,000	\$15,414,000	\$32,869,000	\$7,375,000	\$4,687,000	\$42,775,000	\$3,315,000	\$21,
518	Beer, Wine, Distilled Beverages	\$17,806,000	\$5,526,000	\$38,480,000	\$36,175,000	\$8,313,000	nd	\$22,391,000	\$20,167,000	\$48,
5191	Farm Supplies	\$6,372,000	\$5,153,000	\$23,348,000	\$15,039,000	\$11,642,000	\$6,700,000	\$11,309,000	\$17,841,000	\$20,
Total Agribusiness Wholesale Trade		\$374,805,000	\$45,765,000	\$287,171,000	\$480,148,000	> \$65,737,000	> \$141,423,000	\$307,935,000	\$250,291,000	\$481,

Source: "1992 Census of Wholesale Trade: Geographic Area Series", US Department of Commerce, January 1995.
nd = not disclosed due to confidentiality restrictions

Appendix G. Detailed Estimates of Wholesale Trade Activity, Louisville and Comparison Metros

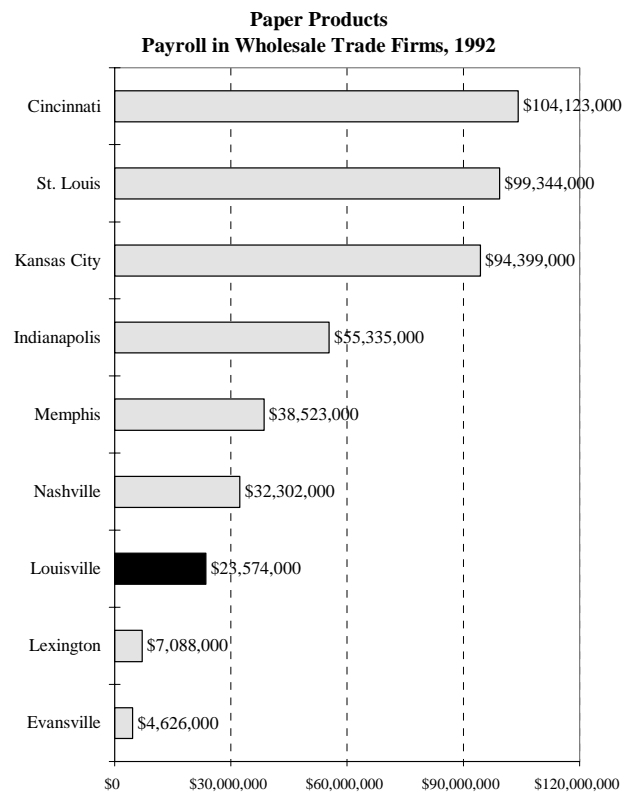
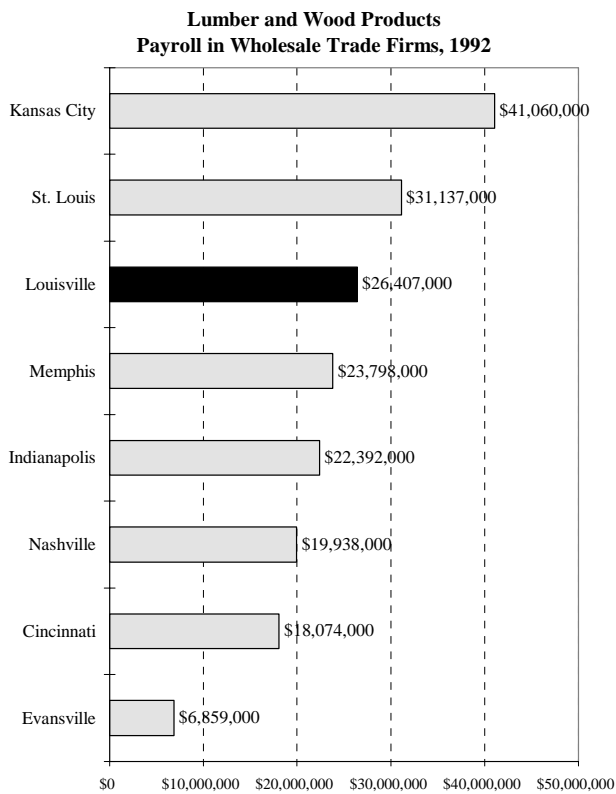
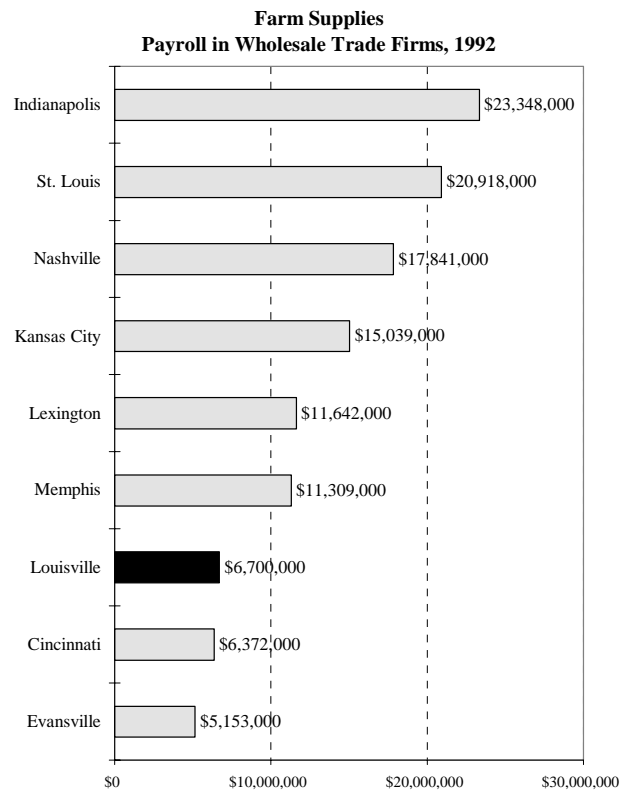
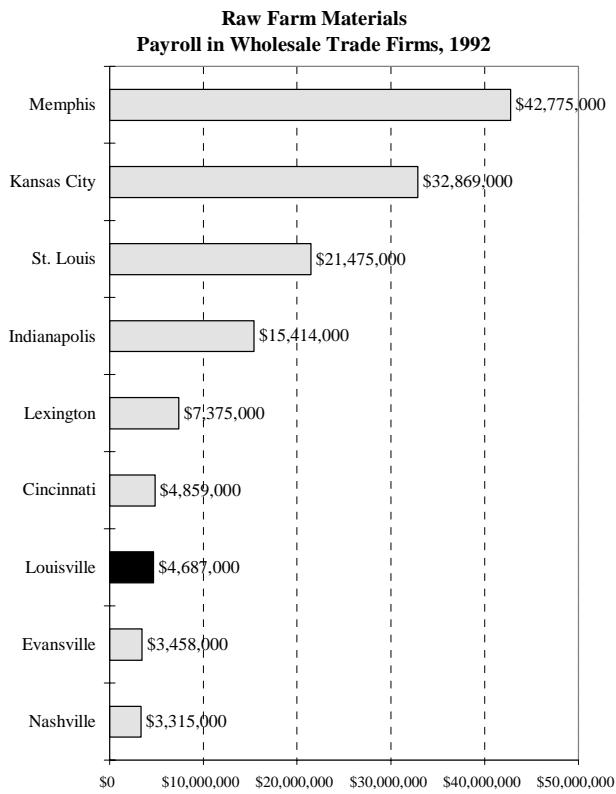
Wholesale Trade, 1992: Sales and Payroll, Metro Markets' Share of US

SIC	Population	Cincinnati	Evansville	Indianapolis	Kansas City	Lexington	Louisville	Memphis	Na
	Sales								
5031	Lumber, Plywood, Millwork	0.46%	0.12%	0.66%	1.28%	#VALUE!	0.64%	0.65%	
511	Paper and Paper Products	1.73%	0.04%	0.54%	0.99%	0.06%	0.24%	0.65%	
513	Apparel	0.31%	0.00%	0.13%	0.39%	#VALUE!	0.05%	0.64%	
514	Groceries	0.95%	0.08%	0.55%	1.33%	0.13%	0.33%	0.74%	
5153	Grain and Field Beans	0.44%	#VALUE!	#VALUE!	4.21%	0.01%	#VALUE!	#VALUE!	#V
5154	Livestock	#VALUE!	#VALUE!	#VALUE!	0.63%	1.15%	2.38%	0.18%	#V
5159	Farm Product Raw Materials, nec	#VALUE!	#VALUE!	#VALUE!	0.30%	1.69%	#VALUE!	#VALUE!	#V
515	Farm Product Raw Materials	0.33%	0.28%	0.31%	2.96%	0.47%	0.57%	2.21%	
518	Beer, Wine, Distilled Beverages	0.54%	0.09%	0.78%	0.66%	0.20%	#VALUE!	0.36%	
5191	Farm Supplies	0.21%	0.19%	0.77%	1.01%	0.42%	0.28%	0.47%	
	Total Agribusiness Wholesale Trade	0.79%	0.10%	0.50%	1.36%	#VALUE!	#VALUE!	0.88%	
	Payroll								
5031	Lumber, Plywood, Millwork	0.56%	0.21%	0.69%	1.27%	#VALUE!	0.81%	0.73%	
511	Paper and Paper Products	1.50%	0.07%	0.80%	1.36%	0.10%	0.34%	0.56%	
513	Apparel	0.36%	0.00%	0.15%	0.35%	#VALUE!	0.10%	0.38%	
514	Groceries	0.92%	0.09%	0.56%	1.10%	0.14%	0.34%	0.66%	
5153	Grain and Field Beans	0.23%	#VALUE!	#VALUE!	2.16%	0.04%	#VALUE!	#VALUE!	#V
5154	Livestock	#VALUE!	#VALUE!	#VALUE!	0.37%	0.85%	0.64%	0.11%	#V
5159	Farm Product Raw Materials, nec	#VALUE!	#VALUE!	#VALUE!	0.18%	1.15%	#VALUE!	#VALUE!	#V
515	Farm Product Raw Materials	0.23%	0.16%	0.73%	1.56%	0.35%	0.22%	2.04%	
518	Beer, Wine, Distilled Beverages	0.38%	0.12%	0.82%	0.77%	0.18%	#VALUE!	0.48%	
5191	Farm Supplies	0.21%	0.17%	0.75%	0.48%	0.38%	0.22%	0.36%	
	Total Agribusiness Wholesale Trade	0.78%	0.09%	0.59%	0.95%	#VALUE!	#VALUE!	0.64%	

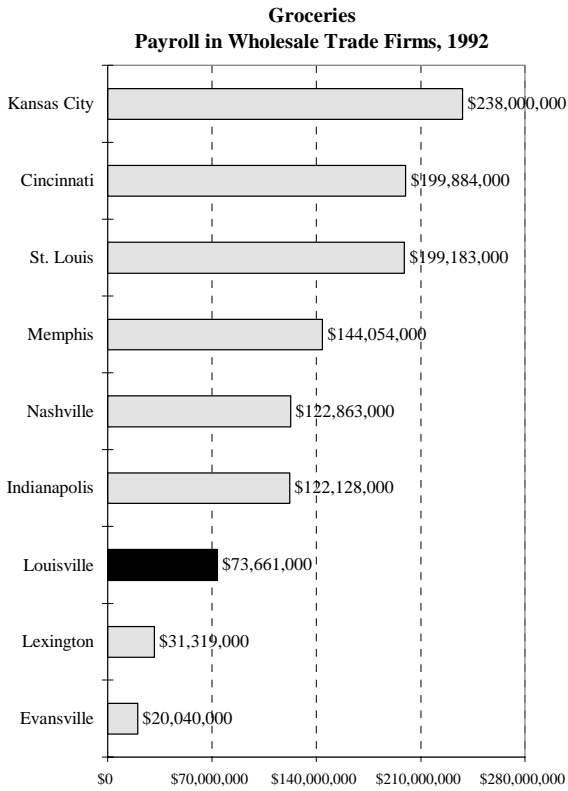
Source: "1992 Census of Wholesale Trade: Geographic Area Series", US Department of Commerce, January 1995.

nd = not disclosed due to confidentiality restrictions

Appendix G. Detailed Estimates of Wholesale Trade Activity, Louisville and Comparison Metros



Appendix G. Detailed Estimates of Wholesale Trade Activity, Louisville and Comparison Metros



Retail Nurseries, Lawn and Garden Stores, 1992

SIC 526

Metros Areas/States	Establishments	Sales	Payroll	Employment	Population	Sales Quotient	Payroll Quotient	Employment Quotient
Cincinnati	86	\$60,098,000	\$8,651,000	802	1,862,000	1.30	1.16	1.54
Evansville	22	\$12,543,000	\$1,773,000	136	283,200	1.79	1.57	1.71
Indianapolis	87	\$56,528,000	\$7,574,000	555	1,424,400	1.60	1.33	1.39
Kansas City	68	\$54,617,000	\$8,258,000	623	1,614,300	1.36	1.28	1.38
Lexington	9	\$3,749,000	\$777,000	57	419,400	0.36	0.46	0.48
Louisville	53	\$35,541,000	\$6,706,000	529	965,900	1.48	1.74	1.95
Memphis	25	\$14,352,000	\$2,359,000	210	1,031,600	0.56	0.57	0.73
Nashville	50	\$34,690,000	\$4,670,000	377	1,021,900	1.37	1.15	1.32
St. Louis	114	\$74,494,000	\$12,041,000	810	2,516,000	1.19	1.20	1.15
Indiana	373	\$212,029,000	\$28,490,000	2,165	5,020,700	1.70	1.42	1.54
Kentucky	153	\$71,608,000	\$11,127,000	987	5,652,200	0.51	0.49	0.62
Missouri	250	\$147,170,000	\$22,175,000	1,661	3,752,600	1.58	1.48	1.58
Tennessee	207	\$103,708,000	\$15,562,000	1,359	5,192,700	0.80	0.75	0.93
United States	10,857	\$6,327,846,000	\$1,017,708,000	71,499	255,027,500	1.00	1.00	1.00

Source: "1992 Census of Retail Trade: Geographic Area Series", US Department of Commerce, October 1994.

The sales quotient is computed as the ratio of per capita sales in the region to per capita sales in the US.

The payroll quotient is computed as the ratio of per capita payroll in the region to per capita payroll in the US.

The employment quotient is computed as the ratio of per capita employment in the region to per capita employment in the US.