The Contribution of Agriculture to Wisconsin County Economies

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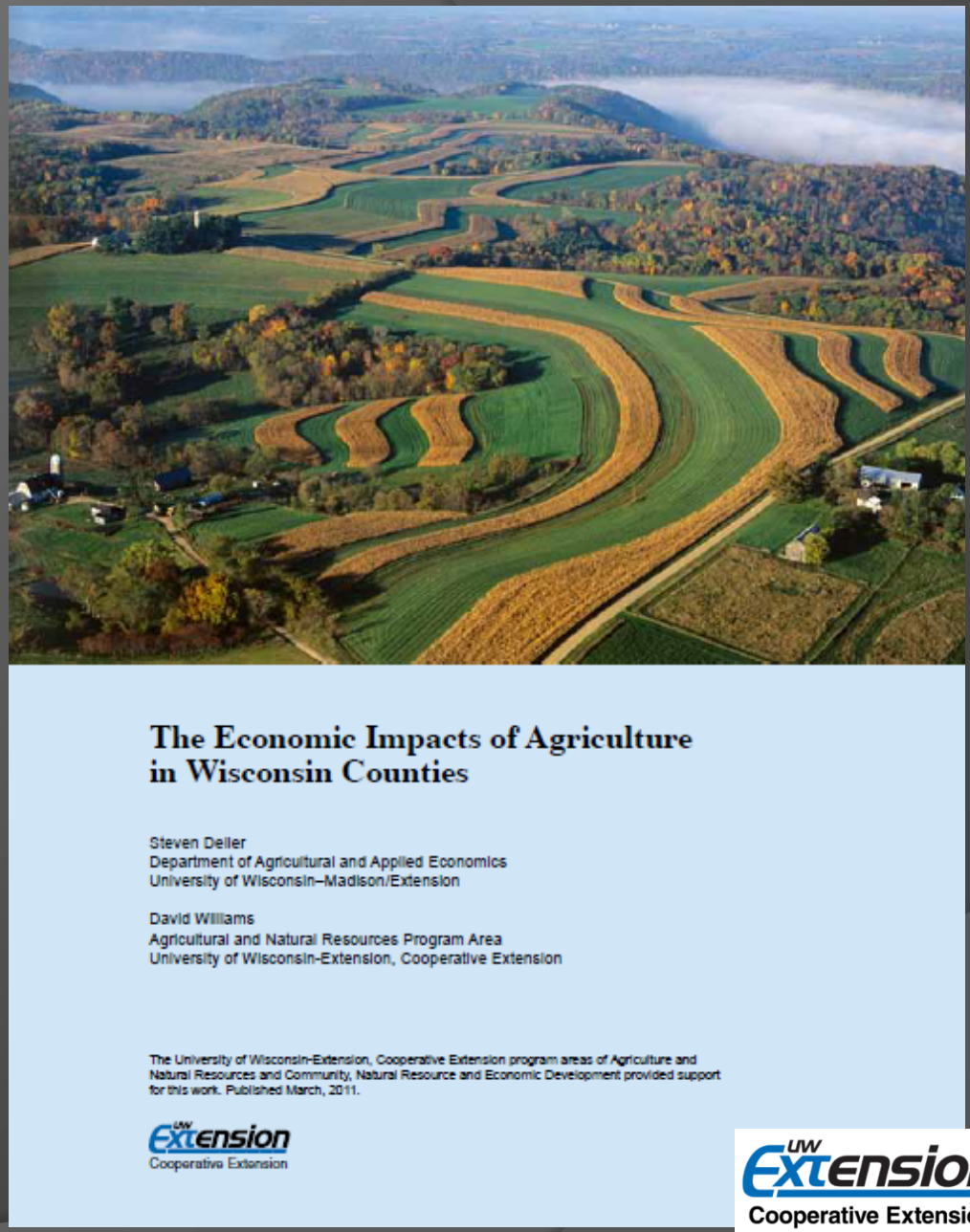

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Why did we undertake this project?

- Provides a mechanism to have a conversation at the county level about the role of agriculture in the economy.
- Provides basic information to help inform state and local economic growth and development policies.

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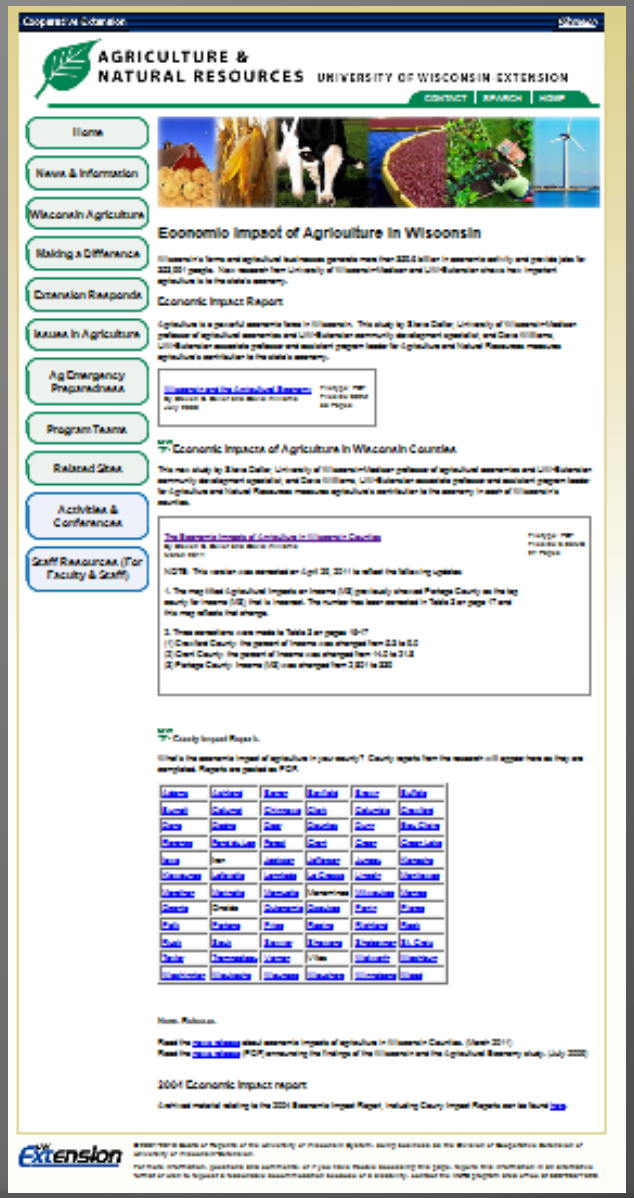

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Three parts to today's presentation:

1. Overview of agricultural trends relative to the Wisconsin economy.
2. What are the Wisconsin "agricultural clusters"?
3. What are the patterns across Wisconsin counties?

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The contributions of agriculture to the Wisconsin economy were documented in 2009 (2007 data)

- 353,991 jobs (10% of total employment)
- $59.16 billion in total business sales (12.5 %)
- $20.2 billion of total income (about 9%)

Note: Agriculture is defined to include on-farm production and food processing

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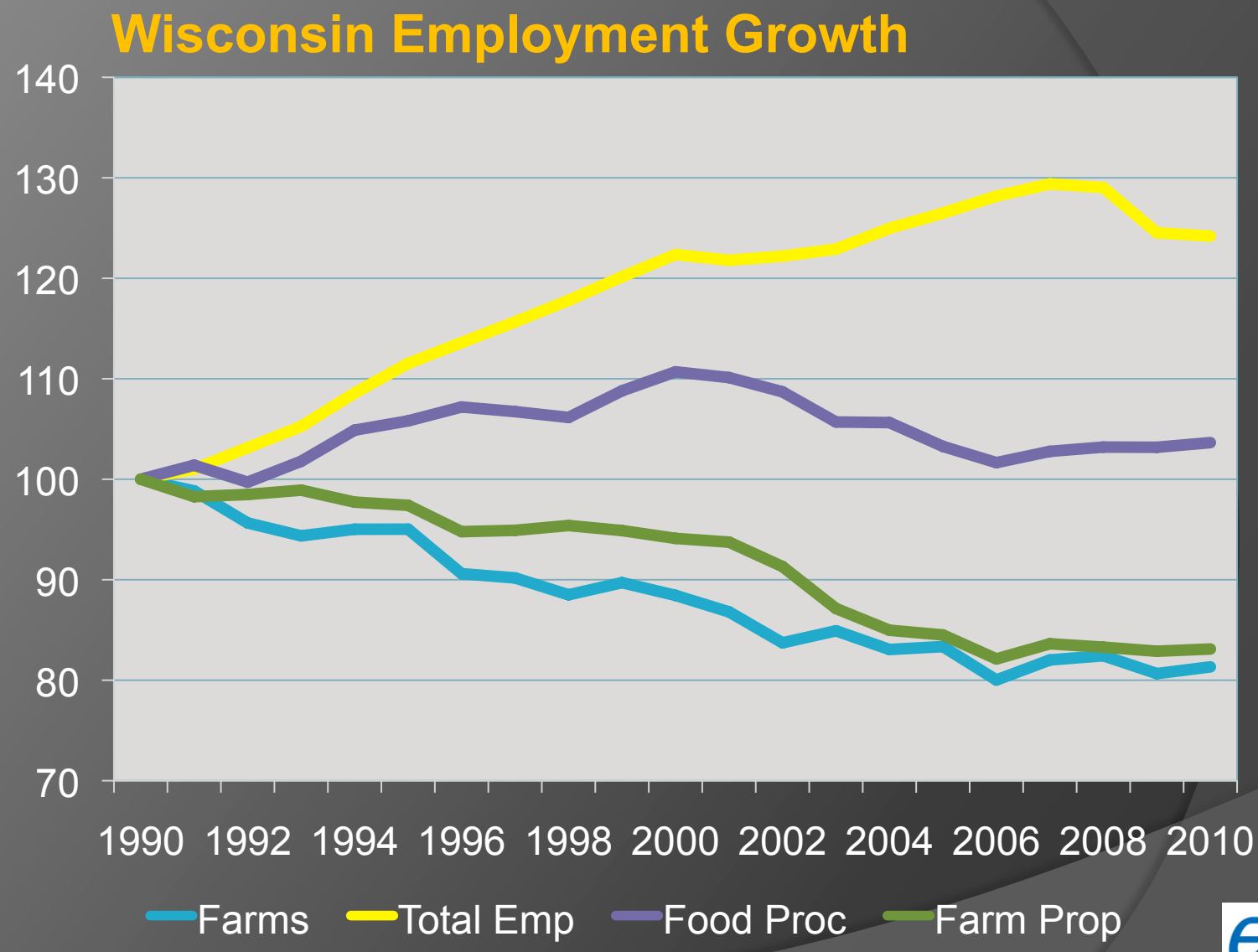

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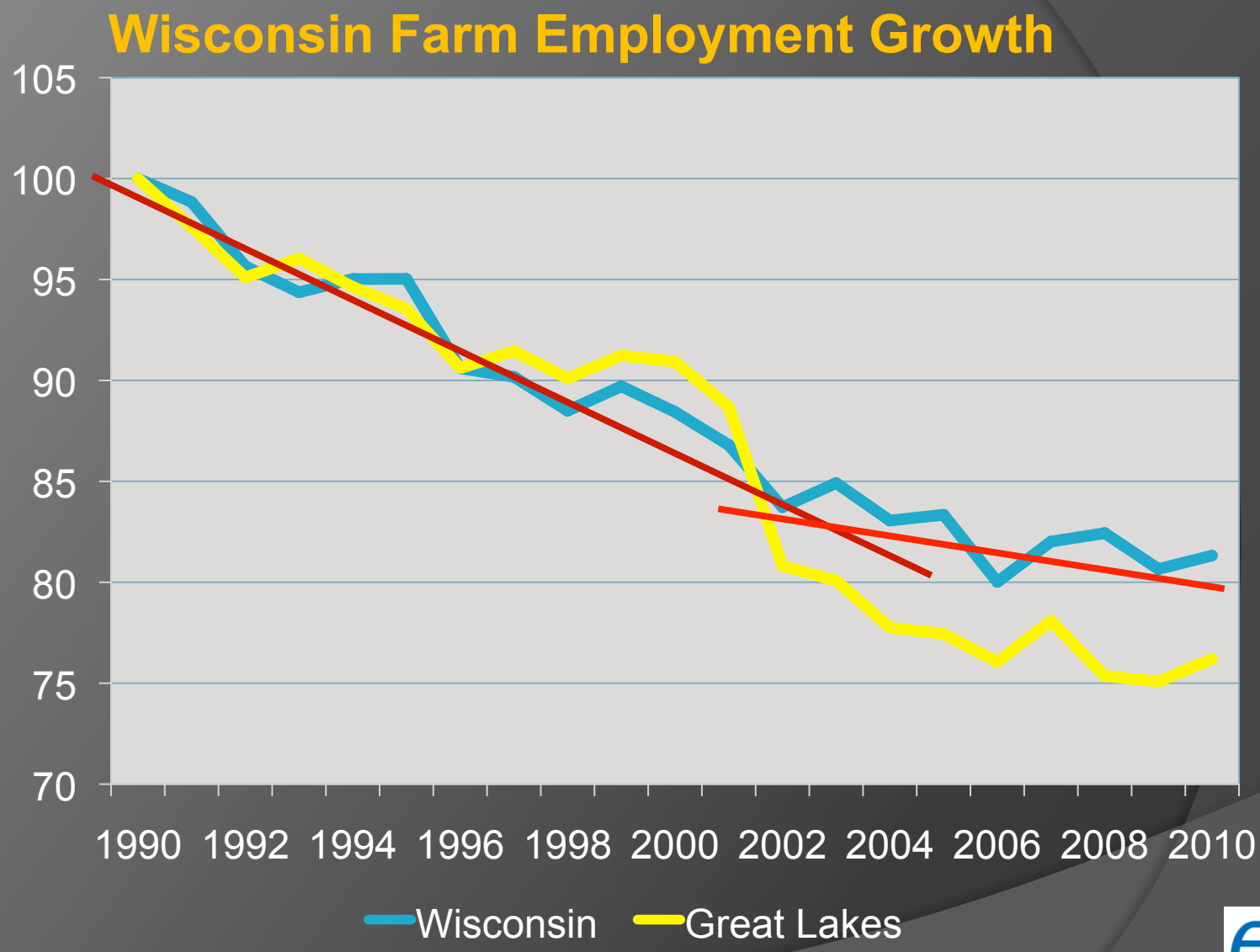

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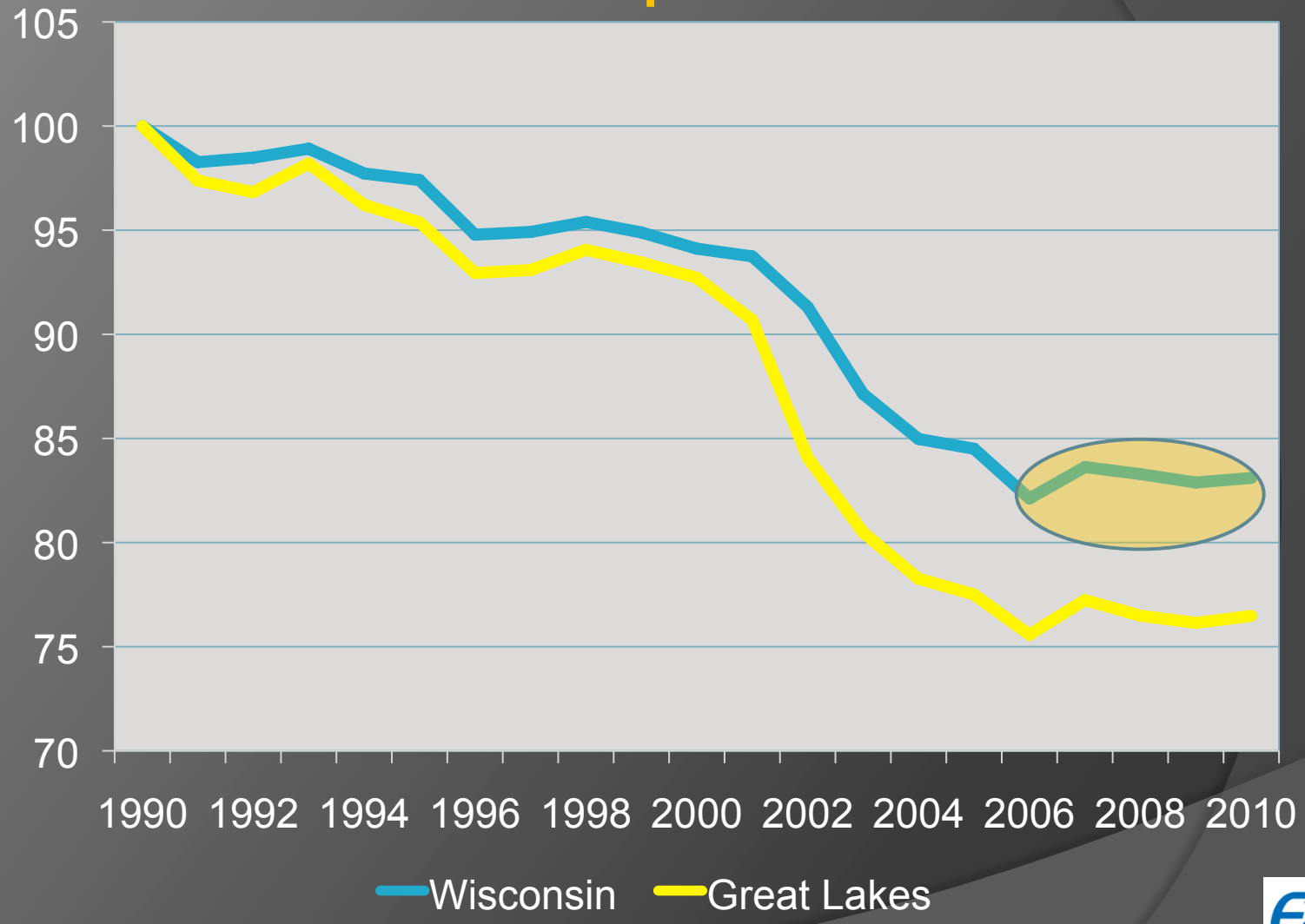
Wisconsin Farm Proprietors Growth



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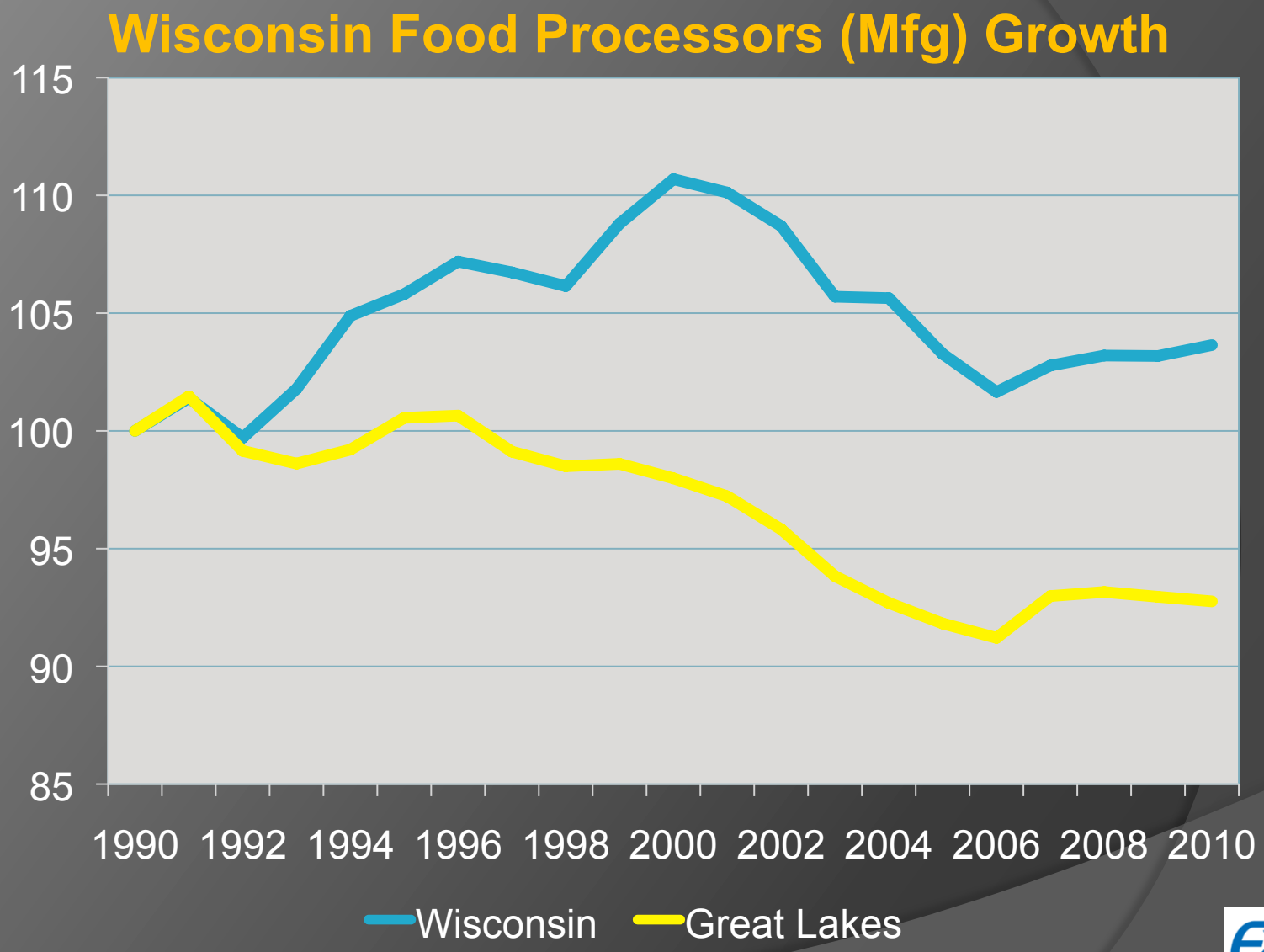

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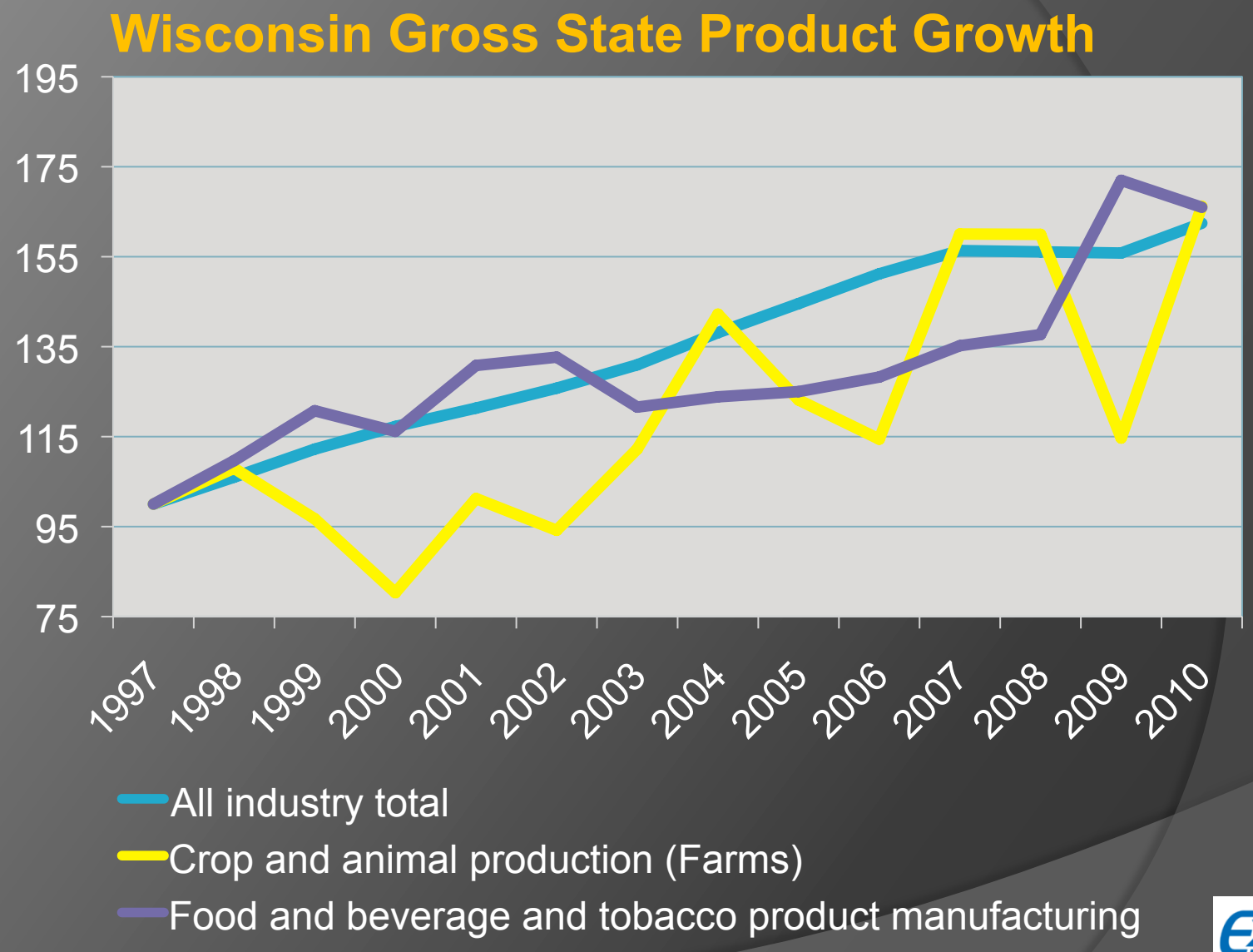

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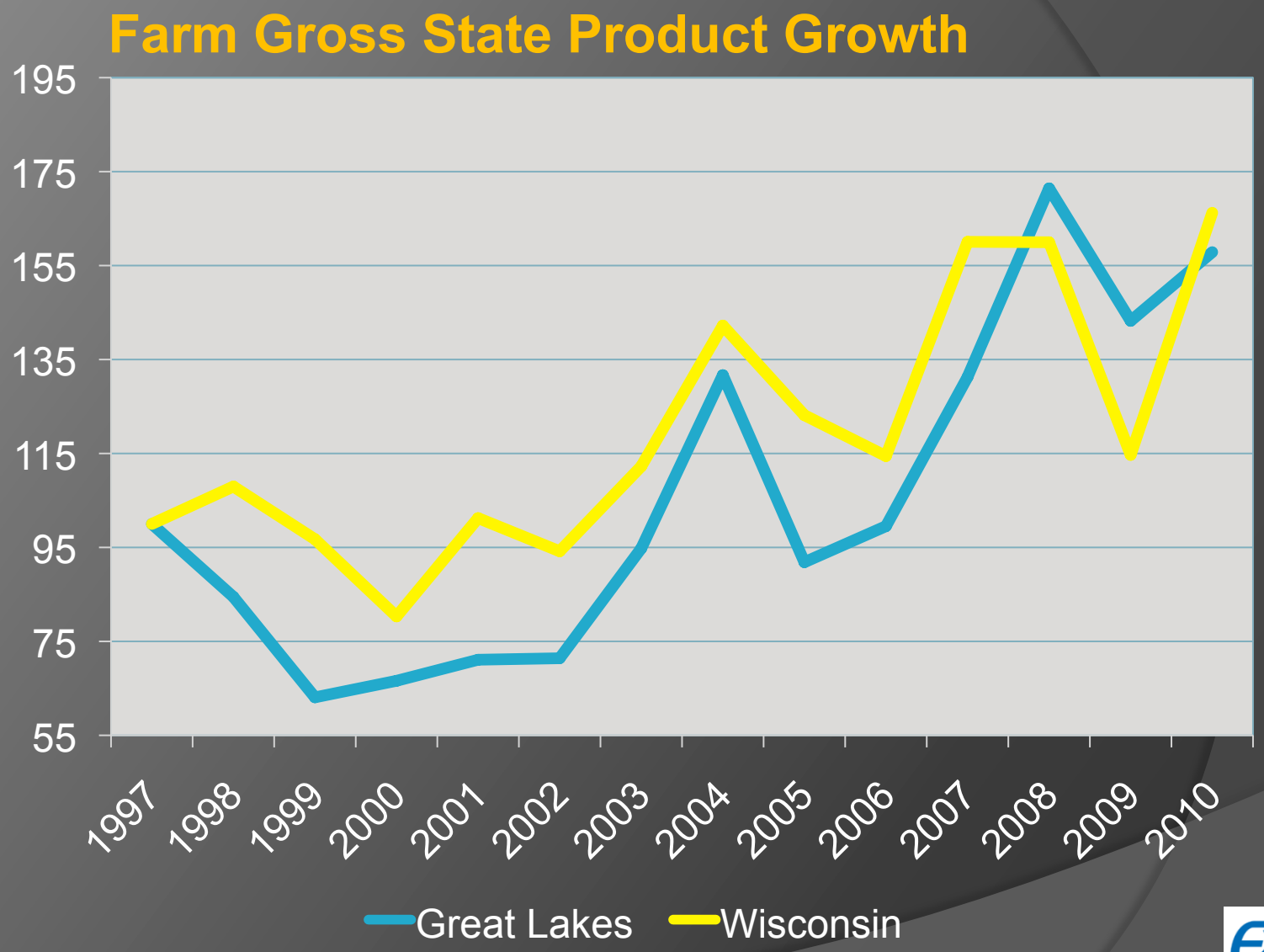

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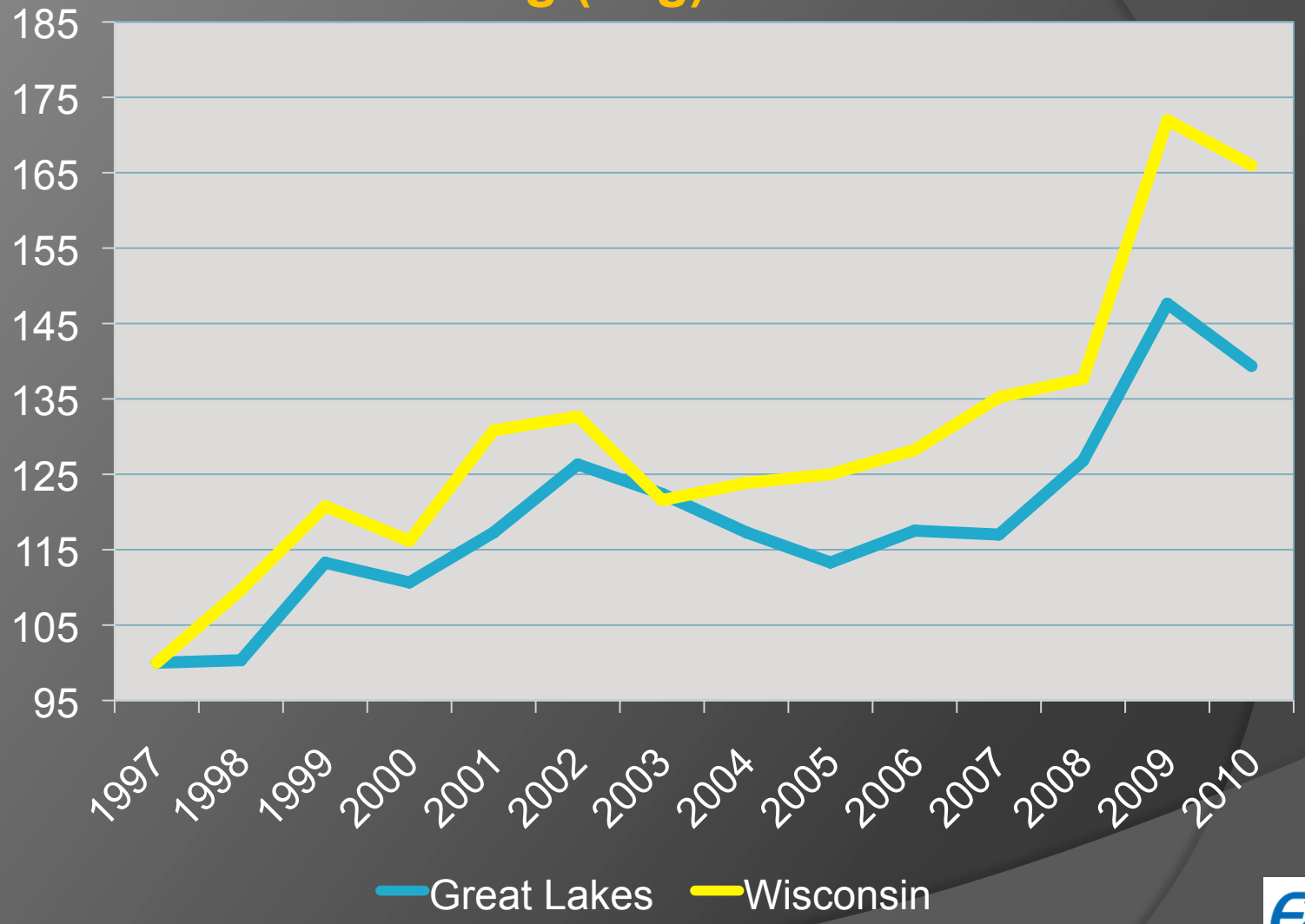
Food Processing (Mfg) State Product Growth



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Trends show recent stability in farm and food processing employment

- Advances in technology have allowed farmers and food processors to gain significant cost savings independent of scale
- Many advances from labor-saving technologies
- Trends suggest that agriculture is not a declining industry, but that it is becoming less labor intensive – modest cushion during recession
- What role does the local food movement play into these patterns?

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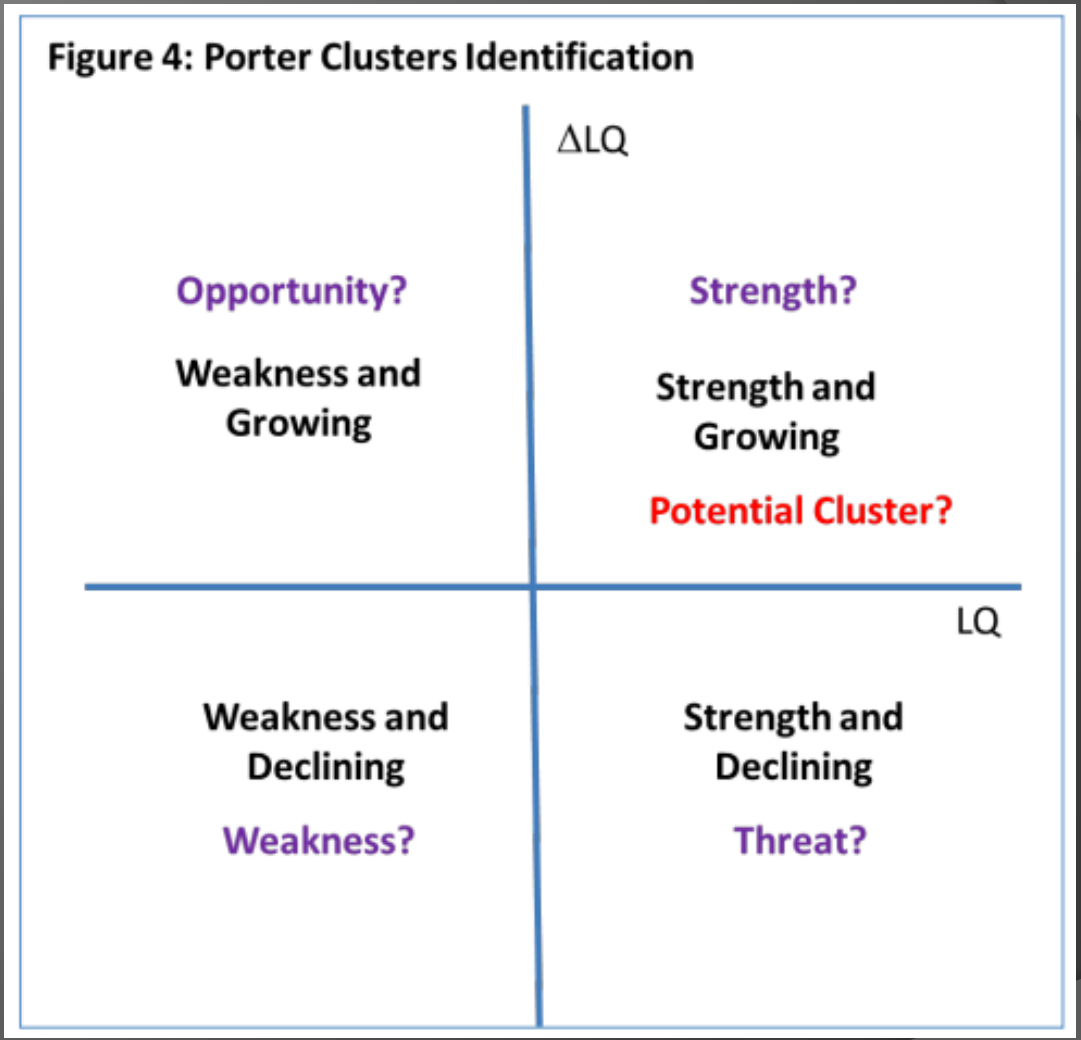

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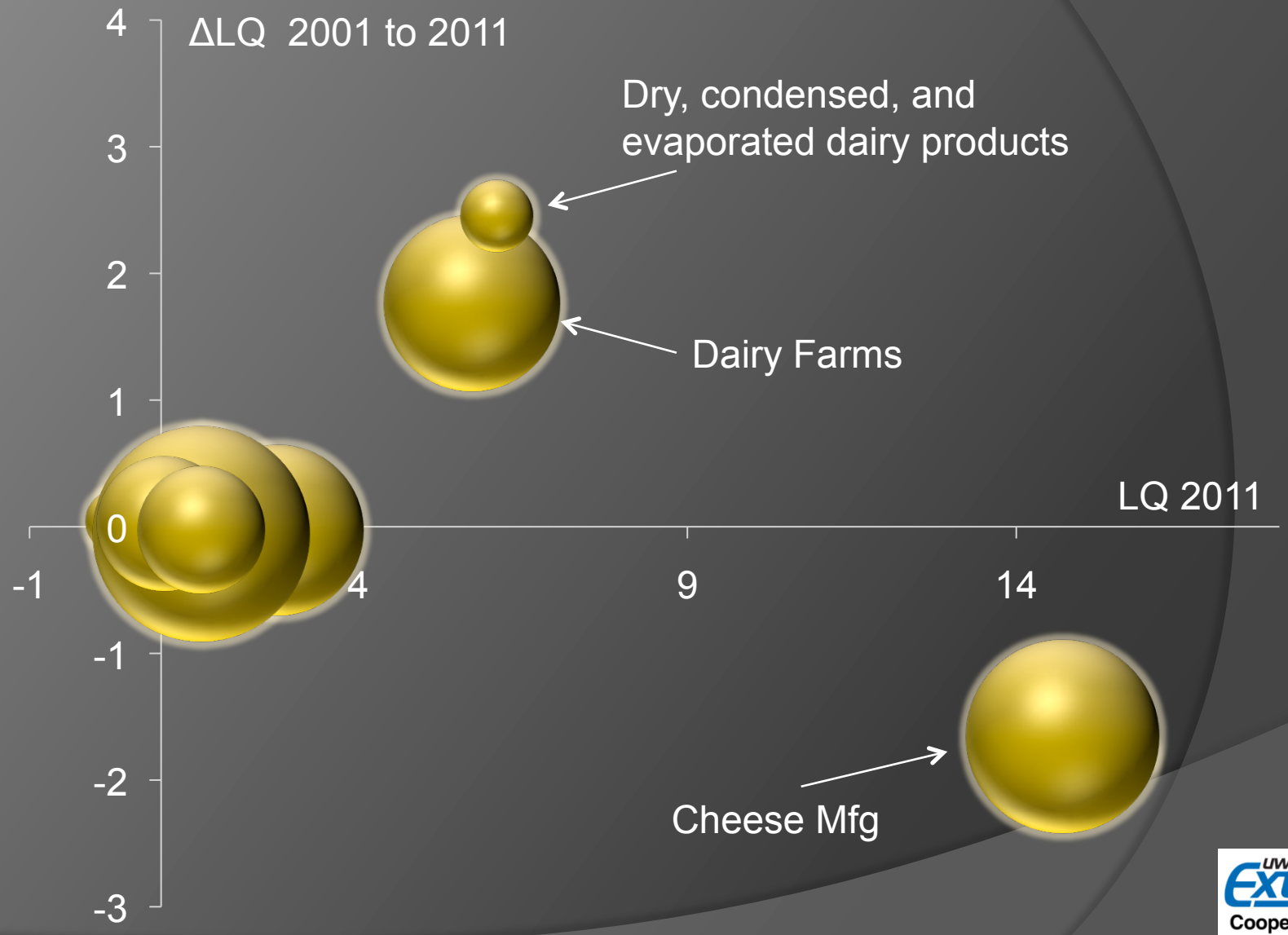

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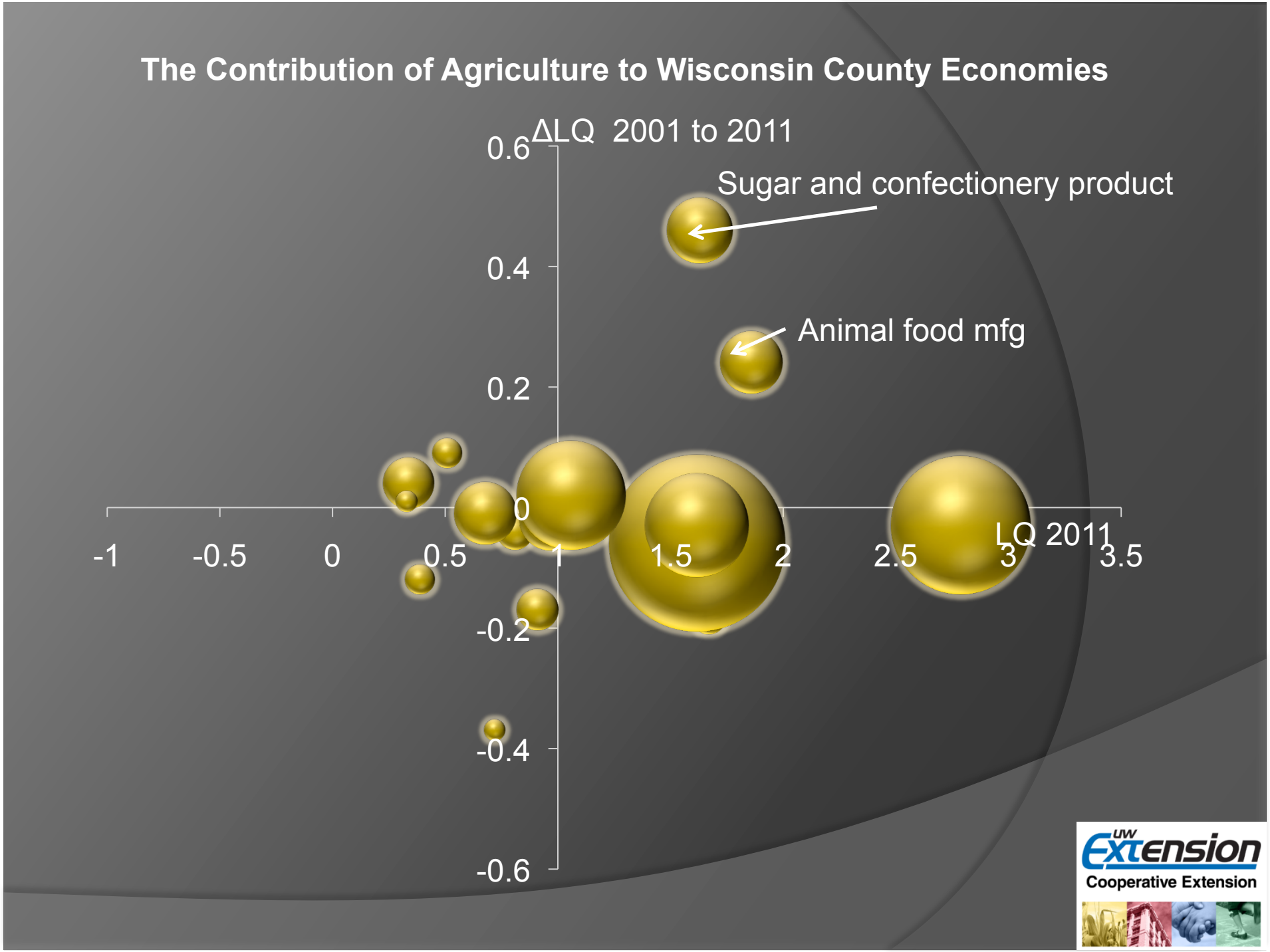

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	LQ 2011	Change In LQ 2001-2011	Share of State Employment
Strength and Growing			
Dairy cattle and milk production	6.11	2.45	0.08%
Vegetable and melon farming	5.73	1.76	0.48%
Grain and oilseed milling	1.86	0.24	0.09%
Hog and pig farming	1.63	0.46	0.10%
Animal food manufacturing	1.06	0.02	0.28%
Strength and Declining			
Creamery butter manufacturing	15.78	-1.79	0.03%
Poultry and egg production	14.71	-1.66	0.58%
Cheese manufacturing	2.79	-0.03	0.45%
Bakeries and tortilla manufacturing	1.67	-0.18	0.03%
Animal slaughtering and processing	1.62	-0.06	0.73%
Fruit and tree nut farming	1.62	-0.03	0.25%
Weakness but Growing			
Sugar and confectionery product manufacturing	0.51	0.09	0.02%
Greenhouse and nursery production	0.34	0.04	0.06%
Other food manufacturing	0.33	0.01	0.01%
Dry, condensed, and evaporated dairy products	0.12	0.07	0.00%
Weakness and Declining			
Ice cream and frozen dessert manufacturing	0.97	-0.02	0.09%
Fluid milk manufacturing	0.91	-0.17	0.04%
Oilseed and grain farming	0.81	-0.04	0.03%
Other animal production	0.72	-0.37	0.01%
Fruit and vegetable preserving and specialty	0.68	-0.01	0.09%
Seafood product preparation and packaging	0.39	-0.12	0.02%

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Methodology

- Using input-output analysis small changes in one part of the economy can be tracked through the entire economy

- For example, the expansion of dairy farms (or food processor) in the local economy introduces new or additional levels of spending in the local economy
  - Direct, indirect and induced impacts

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For the analysis of county level economic impacts, IMPLAN (Impact analysis for PLANning) was used

- Minnesota IMPLAN Group provides detailed data bases that include county level data (2008 data)
- Databases include 19 on-farm sectors and 33 agricultural processing sectors
- Data comes from BEA-REIS, County Business Patterns and the Economic Censuses (including the Census of Agriculture)

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County Ag Economic Impacts - Broad Conclusions

1. In some, mostly larger, more urban counties, impacts (jobs, business sales and income) are large but as a percentage of the entire county economy, not as large as many more rural counties

2. In many, more rural counties economic impacts may or not be large, but as a percentage of the local county economy they are large

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County Ag Economic Impacts - Broad Conclusions

Food Processing is Very Important!

- Dairy (cheese, yogurt, fluid milk, evaporated milk, cheese packaging, etc.)
- Meat (slaughtering and processing)
- Bakeries
- Breweries
- Vegetables (beans, corn, peas, etc.)
- Fruit (cranberry, cherry, apple, etc.)

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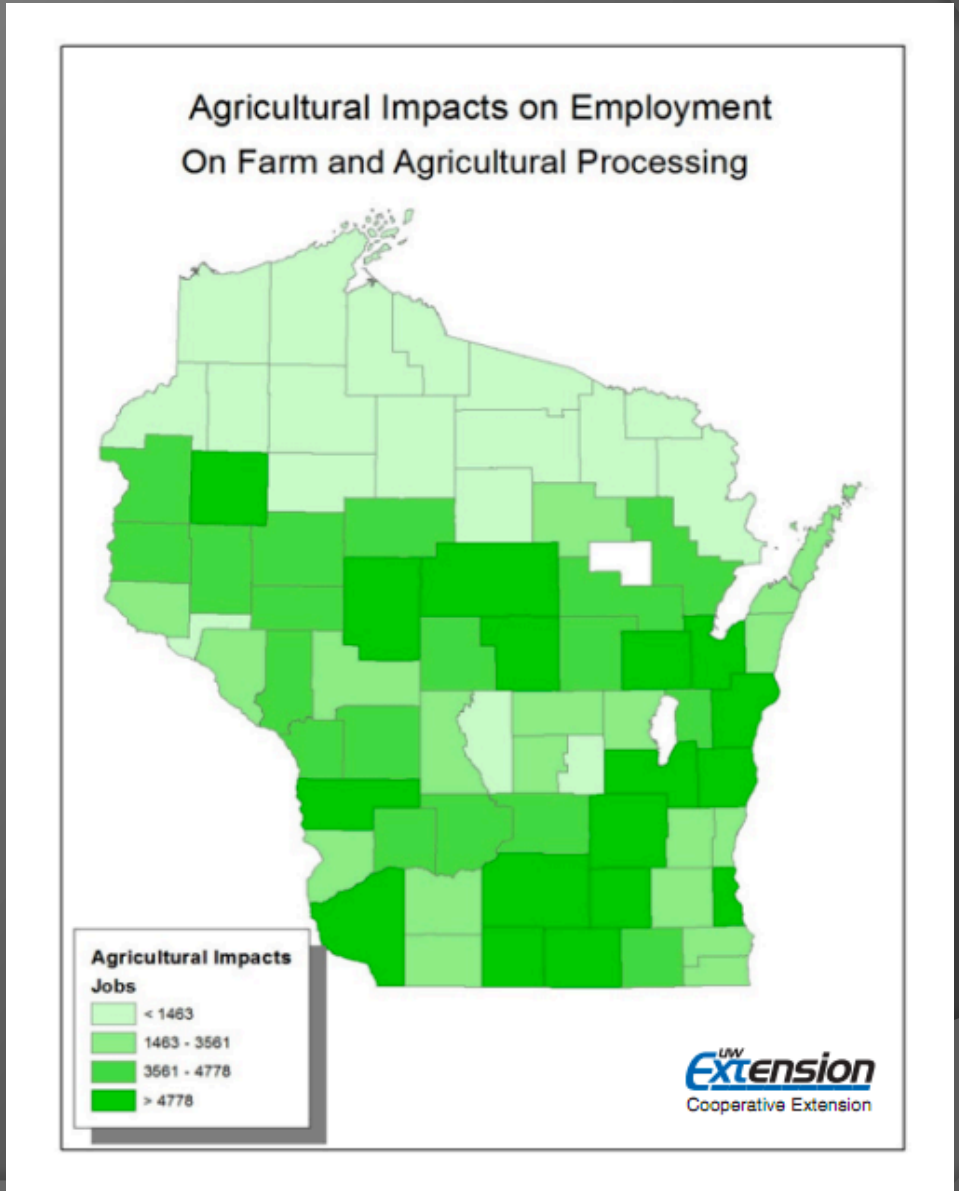

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Top 10 Counties 2008

	County	Jobs	Percent of all Jobs
1.	Brown	21,037	11.6
2.	Dane	16,766	4.4
3.	Milwaukee	14,228	2.2
4.	Marathon	13,266	14.9
5.	Outagamie	11,592	9.3
6.	Dodge	9,608	20.0
7.	Jefferson	8,732	18.1
8.	Fond du Lac	8,691	14.7
9.	Barron	8,231	28.6
10.	Sheboygan	8,137	10.8

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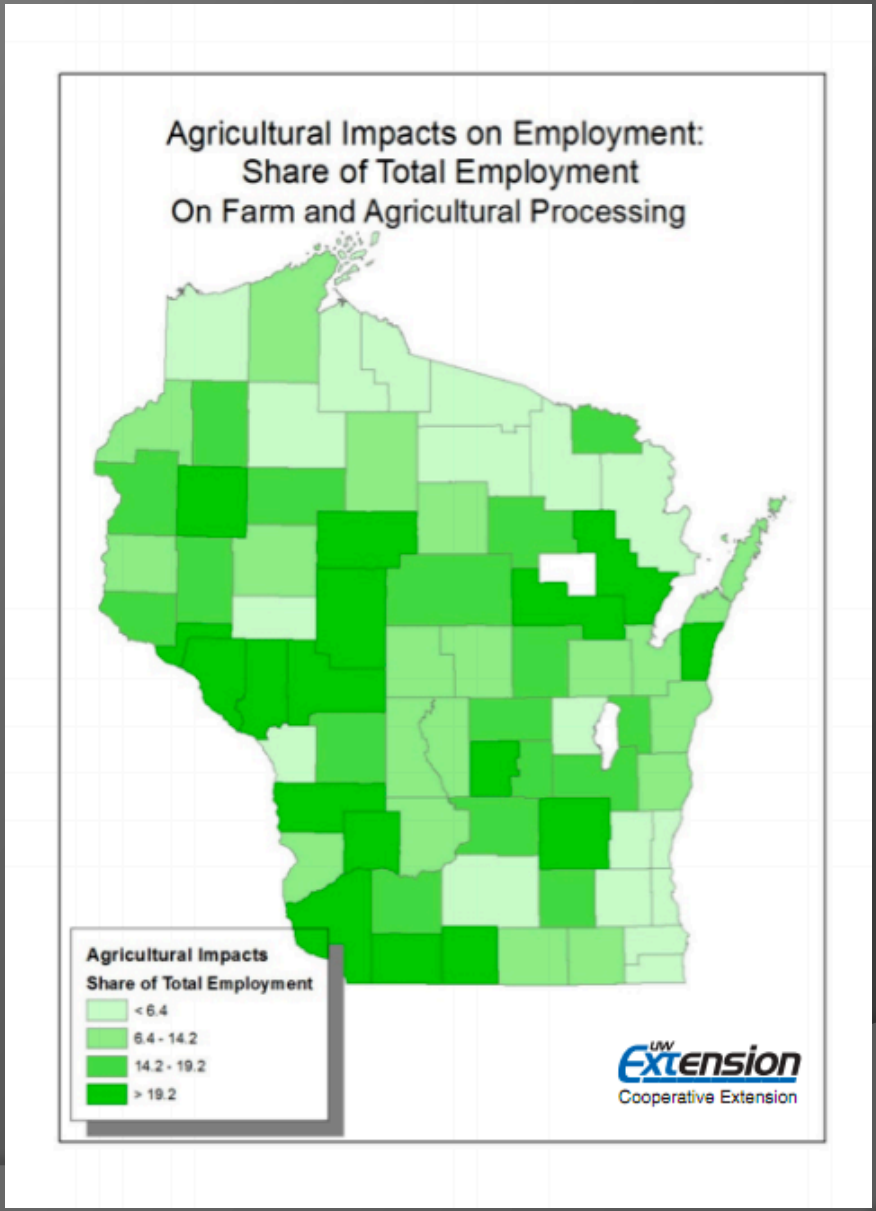

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Top 10 Counties 2008

	County	Jobs	Percent of all Jobs
1.	Lafayette	3,561	54.2
2.	Clark	7,697	45.5
3.	Richland	3,699	41.0
4.	Vernon	5,371	37.0
5.	Buffalo	3,045	36.1
6.	Marquette	1,935	34.9
7.	Taylor	3,744	33.1
8.	Pepin	1,035	31.7
9.	Oconto	3,997	30.1
10.	Trempealeau	4,778	28.3

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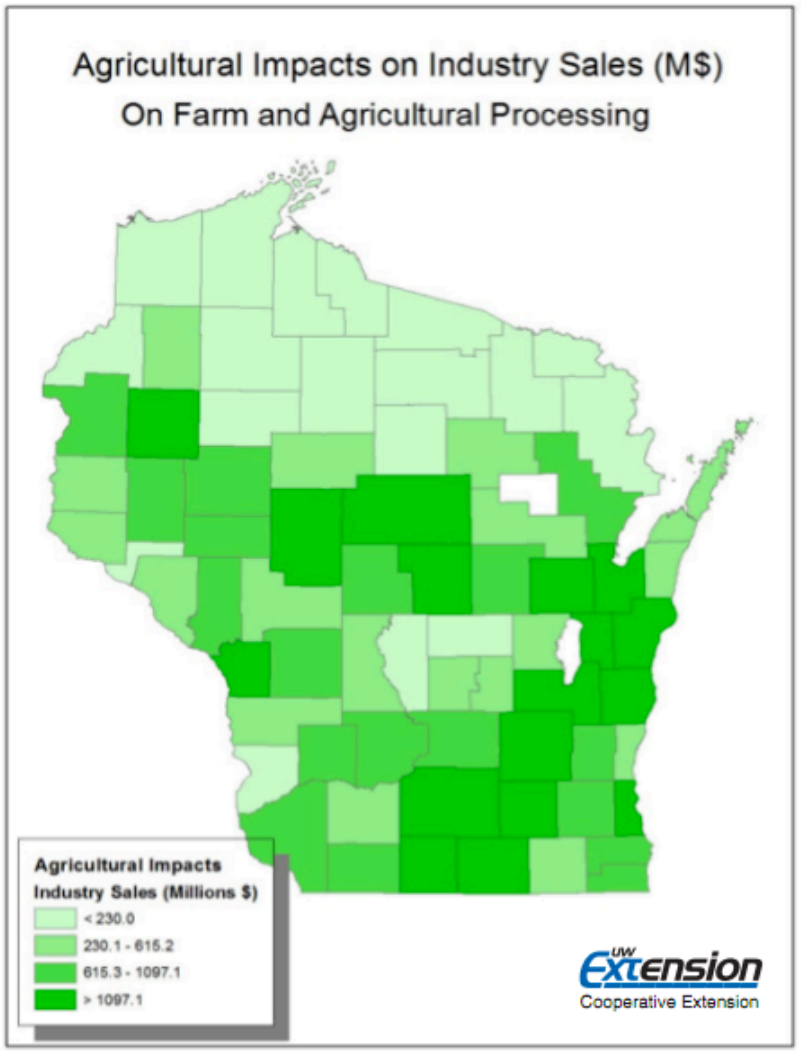

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Top 10 Counties 2008

	County	Industrial Sales (M$)	Share of Total Industry Sales (%)
1.	Milwaukee	6,031.79	6.4
2.	Brown	5,711.49	20.4
3.	Dane	3,450.50	6.6
4.	Sheboygan	3,151.69	23.7
5.	Outagamie	2,797.48	13.8
6.	Marathon	2,411.10	17.6
7.	Dodge	2,317.14	32.4
8.	Fond do Lac	2,305.81	21.6
9.	Jefferson	2,141.12	27.0
10.	Clark	1,546.52	63.1

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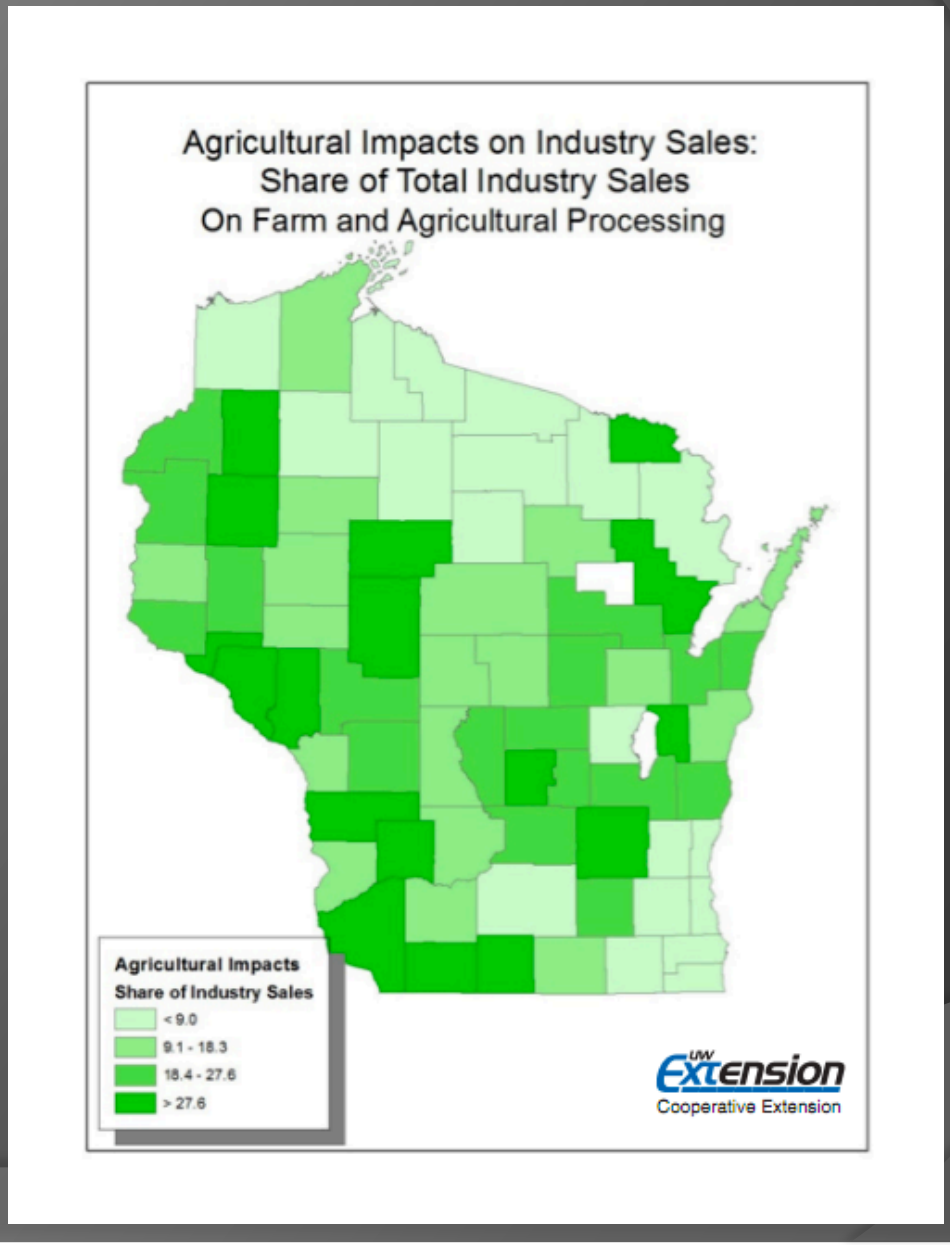

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Top 10 Counties 2008

	County	Industrial Sales ($M)	Share of Total Industrial Sales (%)
1.	Lafayette	840.61	85.3
2.	Clark	1,546.52	63.1
3.	Marquette	356.68	52.0
4.	Buffalo	527.64	48.7
5.	Richland	774.29	48.6
6.	Pepin	165.64	44.8
7.	Oconto	788.21	44.6
8.	Taylor	615.22	43.5
9.	Green	1,386.66	41.1
10.	Vernon	575.81	38.9

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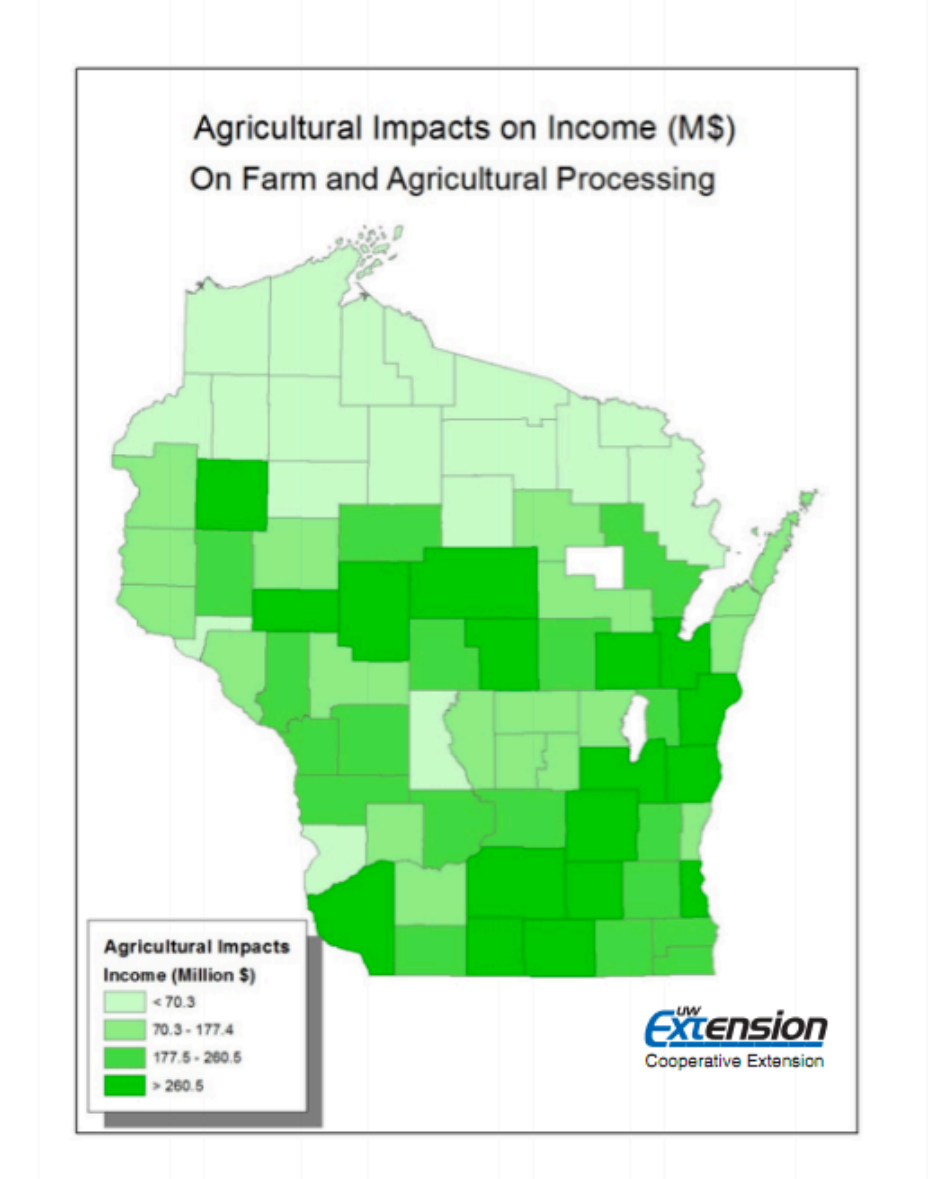

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Top 10 Counties 2008

	County	Income (M$)	Share of Total Income (%)
1.	Brown	1,557.50	11.8
2.	Milwaukee	1,389.83	2.9
3.	Dane	1,205.66	4.2
4.	Outagamie	704.55	7.8
5.	Marathon	629.60	11.0
6.	Sheboygan	596.77	11.6
7.	Fond du Lac	576.44	14.4
8.	Jefferson	563.87	18.3
9.	Dodge	558.72	19.7
10.	Rock	444.58	7.5

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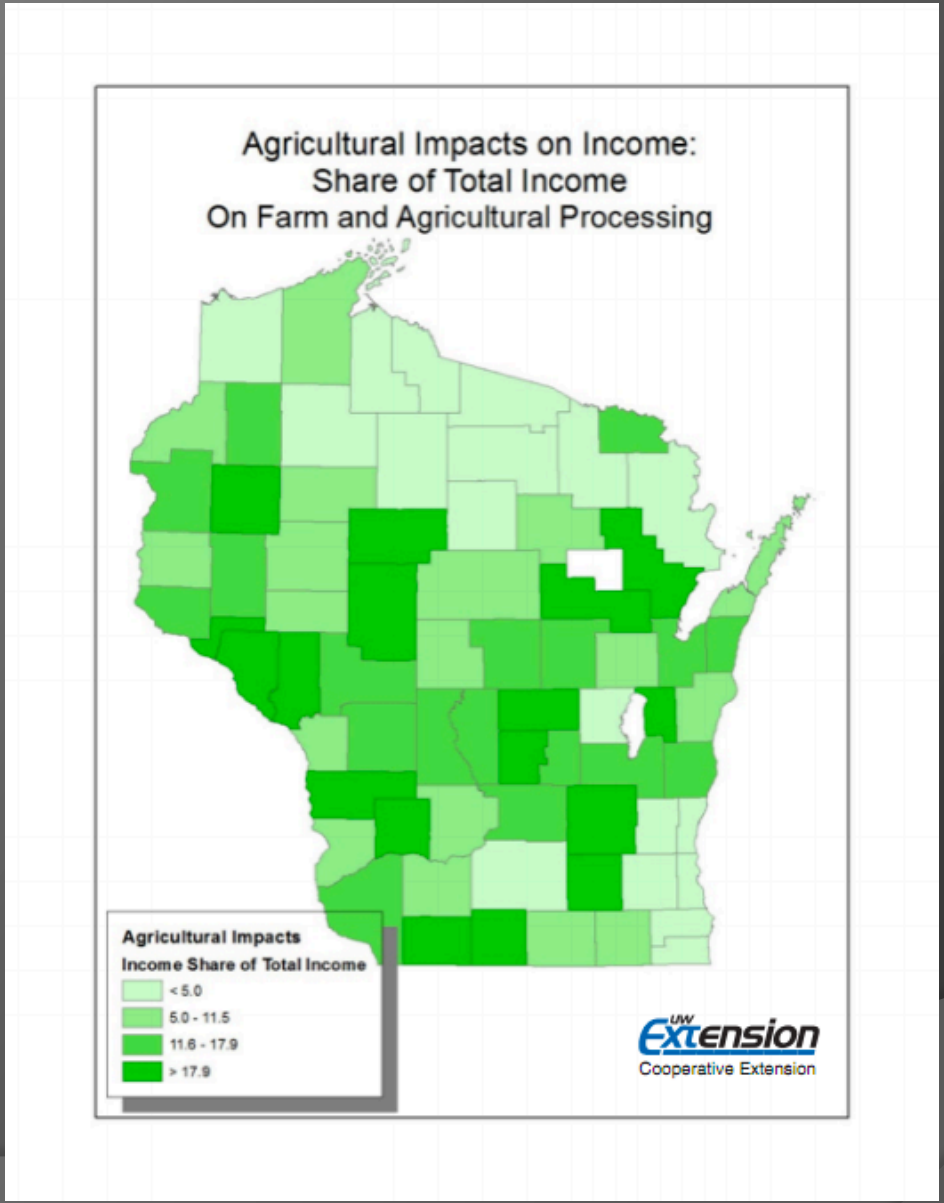

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Top 10 Counties 2008

	County	Income ($M)	Share of Total Income (%)
1.	Lafayette	214.61	62.6
2.	Clark	403.52	47.2
3.	Marquette	107.49	39.2
4.	Taylor	192.44	32.9
5.	Richland	158.24	32.9
6.	Pepin	50.37	29.9
7.	Buffalo	140.85	28.2
8.	Oconto	181.36	27.7
9.	Vernon	185.99	26.1
10.	Green	328.18	26.0

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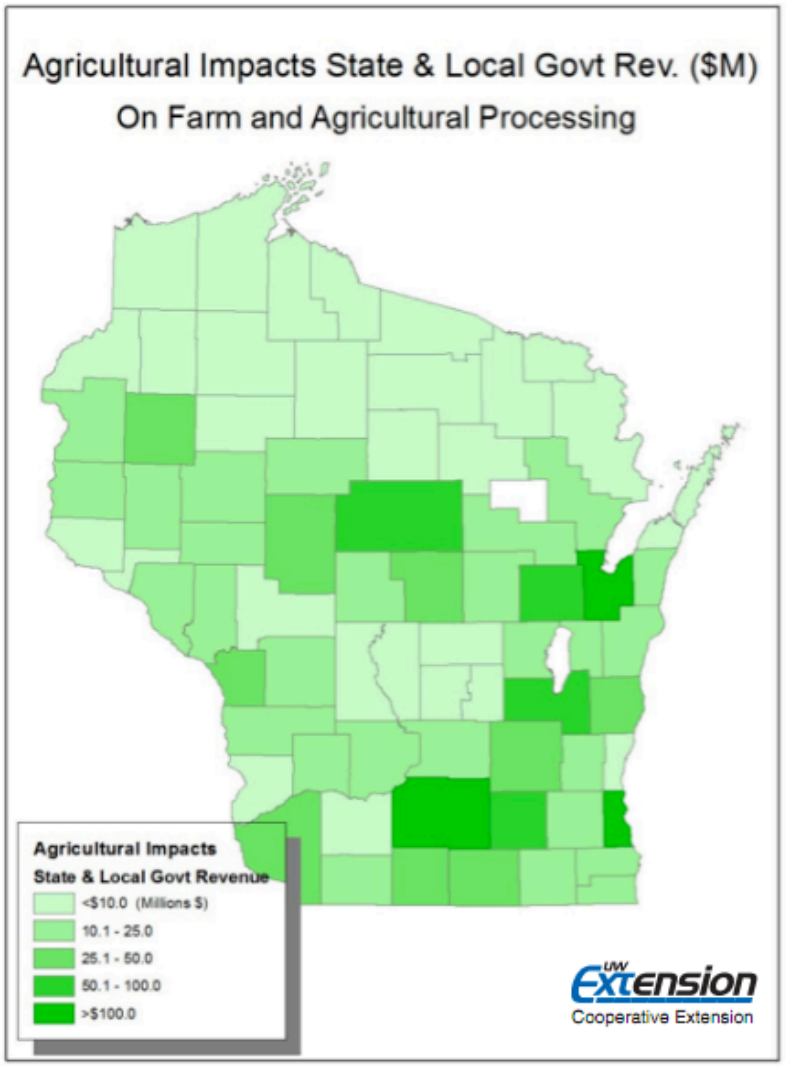

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Top 10 Counties 2008

	County	State and Local Government Revenue ($M)
1.	Milwaukee	220.91
2.	Brown	138.75
3.	Dane	117.15
4.	Jefferson	62.71
5.	Outagamie	58.04
6.	Marathon	57.89
7.	Fond du Lac	52.08
8.	La Crosse	48.57
9.	Dodge	47.38
10.	Sheboygan	46.51

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Summary:

Stability in farm & food processing employment

Some subsectors are strengths for Wisconsin

- Are there subsectors we could be supporting more to improve linkages between production and processing?

Agriculture is very important in most WI Counties

- Rural and urban
- Food processing is really important!

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Questions

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