

An Analysis of the Economic Impacts from the Tennessee Agricultural Enhancement Program (TAEP)



HOW TAEP STRENGTHENS THE STATE'S ECONOMY

2009 Update

Report to the Tennessee Department of Agriculture

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November 2009

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AIM-AG was established in 1998 as part of the Department of Agricultural Economics, Agricultural Experiment Station. The mission of AIM-AG is to assess and project the impacts of agri-industry development on the Tennessee economy and to analyze market opportunities for economically efficient agri-industry development within the state.

<http://aimag.ag.utk.edu/>

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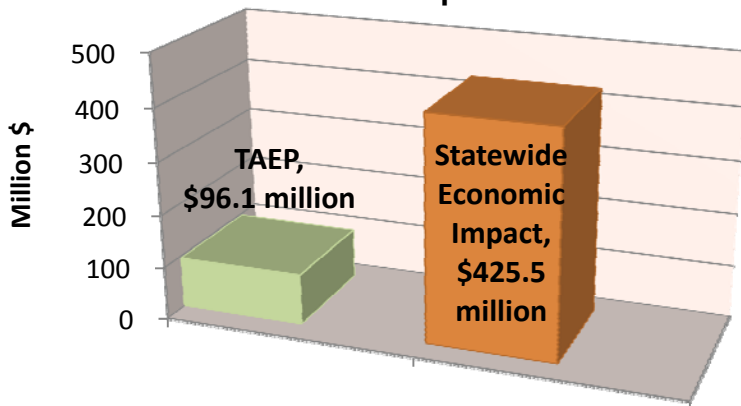
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An Analysis of the Economic Impacts from the Tennessee Agricultural Enhancement Program (TAEP): How TAEP Strengthen The State's Economy

Overview of Projected Impacts

- For fiscal years FY06 through FY11 (Projected), state investment in the TAEP program totaled \$96.1 million.¹
- The overall economic impact from the TAEP on the state's economy was \$425.5 million from FY06 through FY11 (Projected).
- In total, over FY06 through FY11 (Projected), the TAEP was projected to result in 4,715 additional jobs.

Figure 1. TAEP Investment and Total Economic Impact



¹ All dollar values in the document are adjusted into 2009 dollars.

For every \$1 of TAEP investment, an additional \$4.43 is generated in the state's rural economies. *

The Tennessee Agricultural Enhancement Program (TAEP) is designed to support agriculture in Tennessee by providing cost share funds to producers for long term investments in their livestock and farming operations. The purposes of these cost share programs are to help producers maximize farm profits, adapt to current market situations and prepare for the future. In addition, TAEP enhances the economic impacts that producers can make in their local communities. The TAEP is funded through an appropriation for farm developments in the state's budget as proposed by Governor Phil Bredesen and supported by the Tennessee General Assembly.

***Multiplier includes the estimated total economic impacts from both TAEP funds and producers' matching funds.**

About this Study

This study provides projections of the economic impacts resulting from the TAEP for fiscal years 2006-2011 (Projected 2011) (FY06-FY11). Economic impacts from six major program focus areas are projected. These are:



The Tennessee Department of Agriculture provided budget information to AIM-AG for this analysis. Department of Agriculture staff also provided estimates as to the share of producer funding within each grouping. Since producers tend to spend more than the minimum cost share match, these estimates are considered conservative.

To project the economic impacts of the TDA expenditures on the TAEP, program expenditures (by TDA and producer cost shares) were used along with IMPLAN, an economic input-output model. The change in *economic activity* is defined as the value of production by industry per year added to the state's economy as a result of the impact analyzed. Employment in IMPLAN represents total wage and salary employees, as well as self-employed *jobs* in a region, for both fulltime and part-time workers. *Total value added* is defined as all income to worker paid by employers; self-employed income; interests, rents, royalties, dividends, and profit payments; and excise and sales taxes paid by individuals to businesses.

Four types of effects are presented:

- *Direct effects* are the immediate effects associated with the change in the final demand for a particular industry. For example, an increase in the

final demand for cotton of \$10 million will cause the farm sector to produce \$10 million worth of cotton.

- *Indirect effects* are the secondary effects or production changes in backward-linked industries caused when inputs needs change due to the impact of directly affected industry. Thus, following our last example, \$10 million worth of cotton will require for the fertilizer industry to produce an additional \$1 million worth in fertilizer, \$0.2 million in seeds, \$0.5 million in pesticides, etc.
- *Induced effects* represent the response by all local industries caused by increased expenditures of new household income and inter-institutional transfers generated from the direct and indirect effects of the change in final demand for a specific industry.
- *Total effects* include Direct + Indirect + Induced. Results are presented as Direct + Multiplier effects where Multiplier = Indirect + Induced.

All dollar values in the document are adjusted into \$2009.

For each program focus area, a table showing current and projected expenditures by the Tennessee Department of Agriculture and participating producers is provided. A table showing the economic impacts of these expenditures is then provided. After economic impacts for each program focus area are shown, an overall summary of totals across the TAEP focus areas is presented. This summary (Tables 14 and 15) presents economic impacts including program expenditures and matching funds prior to FY09.

Cattle Genetics Program

Program Goals: Increase the marketability and reputation of Tennessee's cattle

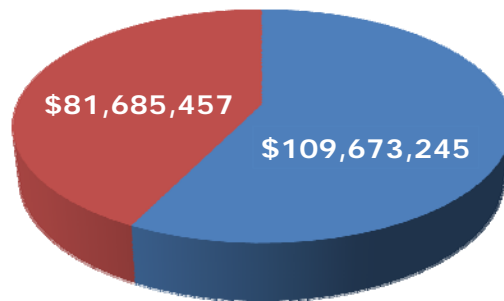
Each TAEP Dollar

Adds \$1.85 in total economic activity
Adds \$4.33 in total economic activity when matched with
producer cost share dollars

Each Million Dollars of TAEP

Adds 16.8 jobs
Adds 39.9 jobs when matched with producer cost share dollars

Cattle Genetics Program \$191,358,702



■ Producer Cost Share ■ TAEP Cost Share

Figure 2. Cattle Genetics: Total Projected Economic Activity FY06-FY11

*Total value includes direct, indirect, and induced impacts from both TAEP and producer dollars invested.

Table 1. The Cattle Genetics Program Expenditures^a Current and Projected

	FY09		FY10		Projected FY11	
	TAEP	Producers	TAEP	Producers	TAEP	Producers
Genetics	\$1,151,035	\$1,557,283	\$926,130	\$1,252,999	\$969,540	\$1,311,731
Equipment	\$6,385,523	\$8,639,237	\$3,381,876	\$4,575,479	\$3,618,650	\$4,895,821
Animal Health/TLN	\$1,702,000	\$2,302,706	\$1,702,000	\$2,302,706	\$1,640,500	\$2,219,500
Vet Program	\$44,634	\$60,387	\$59,534	\$80,546	\$44,400	\$60,071
Livestock Markets	\$64,574	\$87,364	\$29,624	\$40,080	\$44,400	\$60,071
Dairy	\$2,239,199	\$3,029,505	\$0	\$0	\$0	\$0
Master Beef [†]	\$275,000	\$137,479	\$88,220	\$44,103	\$212,000	\$105,984
Master Goat [‡]	\$36,100	\$0	\$0	\$0	\$15,000	\$0
Milk Quality [†]	\$0	\$0	\$0	\$0	\$0	\$0
Agribition [†]	\$25,000	\$0	\$12,500	\$0	\$10,000	\$0
UT Cattle Evaluation [†]	\$0	\$0	\$0	\$0	\$0	\$0
Beef Quality Assurance [‡]	\$37,830	\$0	\$0	\$0	\$50,000	\$0
Producer's Share (57.5%)		\$15,813,961		\$8,295,914		\$8,653,176
TAEP's Share (42.5%)	\$11,960,895		\$6,199,884		\$6,604,490	
<i>Total</i>	\$27,774,856		\$14,495,798		\$15,257,666	

^a Data provided by the Tennessee Department of Agriculture; prior years (FY06-FY08) are shown in Table 14.

[†] Producer's Share (33.3%); TAEP's Share (66.7%)

[‡] TAEP's Share (100.0%)

Table 2. Projected Economic Impacts Resulting from The Cattle Genetics Program Expenditures in \$2009

	Direct	Indirect	Induced	Total
<i>From Producer Investment in FY09</i>				
Economic Activity	\$16,186,586	\$5,267,788	\$8,538,524	\$29,992,898
Jobs	188.9	35.5	72.6	297.0
Total Value Added	\$5,588,304	\$2,608,434	\$4,985,902	\$13,182,640
<i>From TAEP Investment in FY09</i>				
Economic Activity	\$12,242,477	\$3,941,632	\$6,563,551	\$22,747,660
Jobs	148.6	26.8	55.8	231.2
Total Value Added	\$4,323,573	\$1,952,345	\$3,833,124	\$10,109,042
<i>From Producer Investment in FY10</i>				
Economic Activity	\$8,295,914	\$2,990,681	\$3,881,105	\$15,167,700
Jobs	64.7	18.4	33.2	116.3
Total Value Added	\$2,342,163	\$1,486,249	\$2,267,633	\$6,096,045
<i>From TAEP Investment in FY10</i>				
Economic Activity	\$6,199,884	\$2,223,024	\$2,929,297	\$11,352,205
Jobs	49.9	13.7	25.1	88.7
Total Value Added	\$1,778,375	\$1,104,979	\$1,711,562	\$4,594,916
<i>From Producer Projected Investment in FY11</i>				
Economic Activity	\$8,653,176	\$3,113,409	\$4,031,397	\$15,797,982
Jobs	67.2	19.1	34.5	120.8
Total Value Added	\$2,441,239	\$1,546,301	\$2,354,692	\$6,342,232
<i>From TAEP Projected Investment in FY11</i>				
Economic Activity	\$6,604,490	\$2,336,115	\$3,170,492	\$12,111,097
Jobs	56.6	14.6	27.1	98.3
Total Value Added	\$1,949,107	\$1,160,482	\$1,852,236	\$4,961,825

Hay Storage Program

Program Goals: Improve quantity and nutritional quality by using proper storage and management

Each TAEP Dollar

Adds \$2.06 in total economic activity
Adds \$5.88 in total economic activity when matched with
producer cost share dollars

Each Million Dollars of TAEP

Adds 19.0 jobs
Adds 54.3 jobs when matched with producer cost share dollars

Hay Storage Program \$86,128,892*

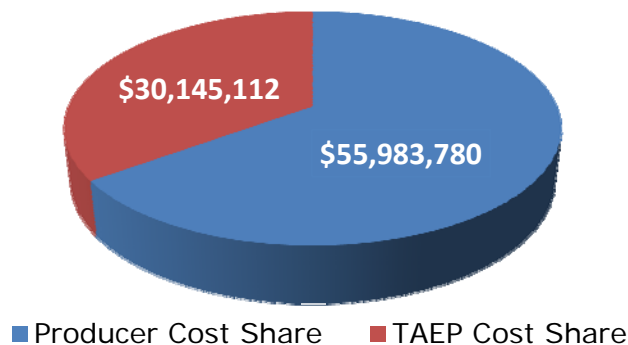


Figure 3. Hay Storage: Total Projected Economic Activity FY06-FY11

*Total value includes direct, indirect, and induced impacts from both TAEP and producer dollars invested.

Table 3. The Hay Storage Program Expenditures^a Current and Projected

	FY09	FY10	Projected FY11
Program	\$11,588,929	\$7,121,534	\$14,488,726
Producer's Share (65%)	\$7,532,804	\$4,628,997	\$9,417,672
TAEP's Share (35%)	\$4,056,125	\$2,492,537	\$5,071,054

^a Data provided by the Tennessee Department of Agriculture; prior years (FY06-FY08) are shown in Table 14.

Table 4. Projected Economic Impacts from The Hay Storage Program Expenditures in \$2009

Program	Direct	Indirect	Induced	Total
From Producer Investment in FY09				
Economic Activity	\$7,654,981	\$2,645,296	\$5,456,674	\$15,756,951
Jobs	79.6	19.9	46.1	145.6
Total Value Added	\$3,790,575	\$1,368,878	\$3,176,728	\$8,336,181
From TAEP Investment in FY09				
Economic Activity	\$4,121,912	\$1,424,390	\$2,938,209	\$8,484,511
Jobs	42.9	10.7	24.8	78.4
Total Value Added	\$2,041,078	\$737,088	\$1,710,546	\$4,488,712
From Producer Investment in FY10				
Economic Activity	\$4,628,997	\$1,599,620	\$3,299,671	\$9,528,288
Jobs	48.1	12.1	27.9	88.1
Total Value Added	\$2,292,175	\$827,766	\$1,920,979	\$5,040,920
From TAEP Investment in FY10				
Economic Activity	\$2,492,537	\$861,334	\$1,776,746	\$5,130,617
Jobs	25.9	6.5	15.0	47.4
Total Value Added	\$1,234,248	\$445,720	\$1,034,374	\$2,714,342
From Producer Projected Investment in FY11				
Economic Activity	\$9,417,672	\$3,254,420	\$6,713,165	\$19,385,257
Jobs	97.9	24.5	56.7	179.1
Total Value Added	\$4,663,418	\$1,684,086	\$3,908,223	\$10,255,727
From TAEP Projected Investment in FY11				
Economic Activity	\$5,071,054	\$1,752,380	\$3,614,781	\$10,438,215
Jobs	52.7	13.2	30.5	96.4
Total Value Added	\$2,511,071	\$906,815	\$2,104,428	\$5,522,314

Livestock Feed Storage Program

Program Goals: Improve long term feed storage, cost efficiency, and feed quality

Each TAEP Dollar

Adds \$1.99 in total economic activity
Adds \$4.68 in total economic activity when matched with producer cost share dollars

Each Million Dollars of TAEP

Adds 16.7 jobs
Adds 39.2 jobs when matched with producer cost share dollars

Livestock Feed Storage Program \$49,887,840*

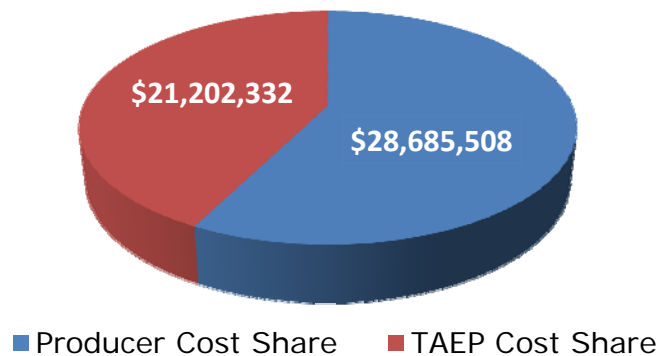


Figure 4. Livestock Feed Storage: Total Projected Economic Activity FY06-FY11

*Total value includes direct, indirect, and induced impacts from both TAEP and producer dollars invested.

Table 5. The Livestock Feed Storage Program Expenditures^a Current and Projected

	FY09	FY10	Projected FY11
Program	\$9,578,454	\$6,899,854	\$2,937,824
Producer's Share (57.5%)	\$5,507,611	\$3,967,416	\$1,689,249
TAEP's Share (42.5%)	\$4,070,843	\$2,932,438	\$1,248,575

^a Data provided by the Tennessee Department of Agriculture; prior years (FY06-FY08) are shown in Table 14.

Table 6. Projected Economic Impacts from The Livestock Feed Storage Program Expenditures in \$2009

Program	Direct	Indirect	Induced	Total
From Producer Investment in FY09				
Economic Activity	\$5,607,647	\$1,974,989	\$3,575,285	\$11,157,921
Jobs	49.2	14.1	30.2	93.5
Total Value Added	\$2,448,223	\$1,010,163	\$2,079,408	\$5,537,794
From TAEP Investment in FY09				
Economic Activity	\$4,144,783	\$1,459,775	\$2,642,601	\$8,247,159
Jobs	36.3	10.4	22.3	69.0
Total Value Added	\$1,809,556	\$746,642	\$1,536,954	\$4,093,152
From Producer Investment in FY10				
Economic Activity	\$3,967,416	\$1,397,108	\$2,531,780	\$7,896,304
Jobs	34.8	10.0	21.4	66.2
Total Value Added	\$1,733,882	\$714,652	\$1,472,512	\$3,921,046
From TAEP Investment in FY10				
Economic Activity	\$2,932,438	\$1,032,645	\$1,871,316	\$5,836,399
Jobs	25.8	7.4	15.8	49.0
Total Value Added	\$1,281,565	\$528,221	\$1,088,378	\$2,898,164
From Producer Projected Investment in FY11				
Economic Activity	\$1,689,249	\$594,861	\$1,077,983	\$3,362,093
Jobs	14.8	4.3	9.1	28.2
Total Value Added	\$738,253	\$304,285	\$626,967	\$1,669,505
From TAEP Projected Investment in FY11				
Economic Activity	\$1,248,575	\$439,680	\$796,770	\$2,485,025
Jobs	11.0	3.1	6.7	20.8
Total Value Added	\$545,665	\$224,906	\$463,410	\$1,233,981

Grain Storage Program

Program Goals: Improve quantity, quality, and marketing through proper storage and management

Each TAEP Dollar

Adds \$2.06 in total economic activity
Adds \$5.88 in total economic activity when matched with
producer cost share dollars

Each Million Dollars of TAEP

Adds 19.1 jobs
Adds 54.4 jobs when matched with producer cost share dollars

Grain Storage Program \$15,985,258*

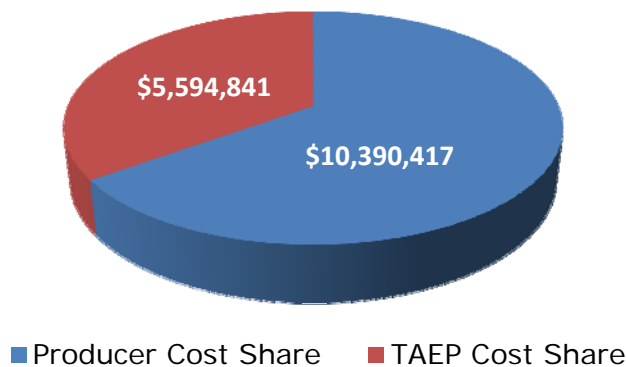


Figure 5. Grain Storage: Total Projected Economic Activity FY06-FY11

*Total value includes direct, indirect, and induced impacts from both TAEP and producer dollars invested

Table 7. The Grain Storage Program Expenditures^a Current and Projected

	FY10	Projected FY11
Program	\$5,113,411	\$2,652,486
Producer's Share (65%)	\$3,323,717	\$1,724,116
TAEP's Share (35%)	\$1,789,694	\$928,370

^a Data provided by the Tennessee Department of Agriculture; prior years (FY06-FY08) are shown in Table 14.

Table 8. Projected Economic Impacts from The Grain Storage Program Expenditures in \$2009

Program	Direct	Indirect	Induced	Total
From Producer Investment in FY10				
Economic Activity	\$3,323,717	\$1,148,561	\$2,369,233	\$6,841,511
Jobs	34.6	8.7	20.0	63.3
Total Value Added	\$1,645,829	\$594,353	\$1,379,304	\$3,619,486
From TAEP Investment in FY10				
Economic Activity	\$1,789,694	\$618,456	\$1,275,742	\$3,683,892
Jobs	18.6	4.7	10.8	34.1
Total Value Added	\$886,216	\$320,037	\$742,702	\$1,948,955
From Producer Projected Investment in FY11				
Economic Activity	\$1,724,116	\$595,795	\$1,228,995	\$3,548,906
Jobs	17.9	4.5	10.4	32.8
Total Value Added	\$853,743	\$308,310	\$715,488	\$1,877,541
From TAEP Projected Investment in FY11				
Economic Activity	\$928,370	\$320,812	\$661,767	\$1,910,949
Jobs	9.7	2.4	5.6	17.7
Total Value Added	\$459,708	\$166,013	\$385,263	\$1,010,984

Producer Diversification Program

Program Goals: The goal of this program is to encourage agricultural producers to expand or improve their operations through the production of diversified agricultural products

Each TAEP Dollar

Adds \$1.91 in total economic activity
 Adds \$5.24 in total economic activity when matched with
 producer cost share dollars

Each Million Dollars of TAEP

Adds 45.4 jobs
 Adds 125.1 jobs when matched with producer cost share dollars

**Producer Diversification Program
 \$33,202,313***

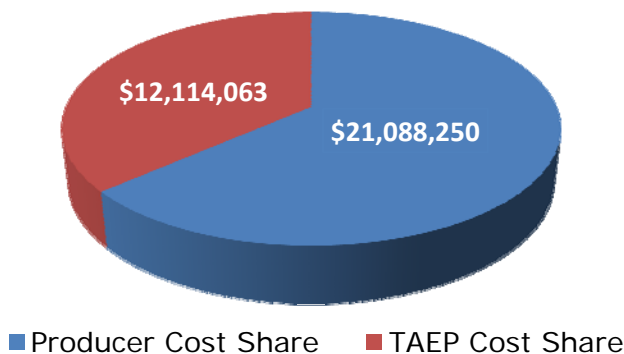


Figure 6. Producer Diversification: Total Projected Economic Activity FY06-FY11

*Total value includes direct, indirect, and induced impacts from both TAEP and producer dollars invested

Table 9. The Producer Diversification Program Expenditures^a Current and Projected

	FY09	FY10	Projected FY11
Program	\$3,013,937	\$2,226,184	\$1,924,388
Producer's Share (65%)	\$1,867,457	\$1,354,641	\$1,186,883
TAEP's Share (35%)	\$1,146,480	\$871,542	\$737,505

^a Data provided by the Tennessee Department of Agriculture; prior years (FY06-FY08) are shown in Table 14.

Table 10. Estimated Total Investment and Cost-Share Amounts by Type of Firm^a

IMPLAN Sector Impacted	FY09 Estimated Total Paid by:		FY10 Estimated Total Paid by:		Projected FY11 Estimated Total Paid by:	
	TAEP	Producers	TAEP	Producers	TAEP	Producers
Agritourism* Sector 478 (Other amusement)	\$253,409	\$342,848	\$252,916	\$342,181	\$172,835	\$233,836
Aquaculture Sector 13 (Animal production-except cattle & poultry)	\$2,595	\$4,819	\$30,249	\$56,176	\$7,039	\$13,072
Bees & Honey Sector 13 (Animal production-except cattle & poultry)	\$9,720	\$18,052	\$96,538	\$130,610	\$50,837	\$94,412
Fruits & Vegetables [†] Sector 5 (Fruit farming); Sector 3—(Vegetable farming)	\$156,427	\$290,507	\$108,881	\$202,207	\$116,499	\$216,355
Horticulture Sector 6 (Greenhouse & Nursery)	\$319,977	\$594,244	\$169,393	\$314,587	\$173,489	\$322,194
Organic* Sector 5 (Fruit farming); Sector 3 (Vegetable farming)	\$56,225	\$76,069	\$60,039	\$81,229	\$68,003	\$92,004
Specialty Livestock Sector 13 (Animal production-except cattle & poultry)	\$100,402	\$186,461	\$0	\$0	\$0	\$0
Value-Added Products Sector 61 (Fruit & Vegetable Canning, Pickling, & Drying)	\$38,280	\$71,091	\$39,545	\$73,441	\$27,148	\$50,418
Viticulture* Sector 5 (Fruit farming)	\$209,445	\$283,366	\$113,982	\$154,211	\$121,655	\$164,592
Totals	\$1,146,480	\$1,867,457	\$871,542	\$1,354,641	\$737,505	\$1,186,883

^a Totals may not add due to rounding.

* Producer's Share (57.5%); TAEP's Share (42.5%)

[†] For FY09 – Producer's Share (65.0%); TAEP's Share (35.0%); FY10/11 – Producer's Share (57.5%); TAEP's Share (42.5%)

Table 11. Projected Economic Impacts from The Producer Diversification Program Expenditures in \$2009

Program	Direct	Indirect	Induced	Total
<i>From Producer Investment in FY09</i>				
Economic Activity	\$1,892,254	\$525,214	\$1,188,413	\$3,605,881
Jobs	70.8	5.0	10.1	85.9
Total Value Added	\$1,101,046	\$269,509	\$683,035	\$2,053,590
<i>From TAEP Investment in FY09</i>				
Economic Activity	\$1,161,779	\$328,582	\$734,084	\$2,224,445
Jobs	42.2	3.1	6.3	51.6
Total Value Added	\$672,124	\$168,741	\$422,618	\$1,263,483
<i>From Producer Investment in FY10</i>				
Economic Activity	\$1,354,641	\$414,147	\$837,480	\$2,606,268
Jobs	49.5	3.9	7.2	60.6
Total Value Added	\$740,568	\$213,198	\$483,101	\$1,436,867
<i>From TAEP Investment in FY10</i>				
Economic Activity	\$871,542	\$274,930	\$538,582	\$1,685,054
Jobs	32.0	2.6	4.6	39.2
Total Value Added	\$467,024	\$141,544	\$311,281	\$919,849
<i>From Producer Projected Investment in FY11</i>				
Economic Activity	\$1,186,883	\$331,595	\$746,008	\$2,264,486
Jobs	42.3	3.1	6.3	51.7
Total Value Added	\$689,578	\$170,148	\$428,955	\$1,288,681
<i>From TAEP Projected Investment in FY11</i>				
Economic Activity	\$737,505	\$209,733	\$466,456	\$1,413,694
Jobs	25.6	1.9	4.0	31.5
Total Value Added	\$426,363	\$107,720	\$268,643	\$802,726

Agricultural Industry Development

TAEP funding supports a variety of activities that help support agricultural industry development. These include agribusiness development, market promotion, assistance for farmers markets, fairs, community kitchens/incubators, community agricultural learning facilities, forest industry development, program administration/implementation and other activities.

Each TAEP Dollar

Adds \$2.29 in total economic activity
 Adds \$2.79 in total economic activity when matched with producer cost share dollars

Each Million Dollars of TAEP

Adds 37.4 jobs
 Adds 45.4 jobs when matched with producer cost share dollars

Agricultural Industry Development: Total Projected Economic Activity FY06-FY11=\$48,995,587

Table 12. Agricultural Industry Development Expenditures^a Current and Projected

	FY09 TAEP	FY10 TAEP	Projected FY11 TAEP
Commodity Association Grants	\$180,001	\$116,270	\$77,500
Agribusiness Development	\$600,000	\$0	\$0
Market Development Operating	\$524,134	\$645,375	\$956,500
Market Development Promotions	\$505,273	\$219,249	\$10,000
Viticulture TFWA	\$20,698	\$9,776	\$0
Agritourism	\$48,295	\$12,451	\$37,500
Water Resources	\$450,000	\$450,000	\$450,000
Forest Industry Development	\$750,000	\$750,000	\$750,000
Fairs	\$716,100	\$0	\$10,000
Farmers Markets	\$495,812	\$168,900	\$143,550
Community Ag Learning	\$963,035	\$0	\$0
Community Kitchen/Incubators	\$150,000	\$78,841	\$0
Land Trust	\$80,039	\$22,504	\$100,000
Master Bee	\$0	\$7,475	\$5,000
Organic	\$0	\$180,767	\$195,705
Totals	\$5,483,387	\$2,661,698	\$2,735,755

^a Data provided by the Tennessee Department of Agriculture; prior years (FY06-FY08) are shown in Table 14.

Table 13. Projected Economic Impacts Resulting from TAEP Agricultural Industry Development Expenditures in \$2009

Program	Direct	Indirect	Induced	Total
<i>From TAEP Investment in FY09</i>				
Economic Activity	\$5,557,939	\$2,152,128	\$5,038,061	\$12,748,128
Jobs	147.9	17.3	42.8	208.0
Total Value Added	\$2,936,563	\$1,257,455	\$2,964,903	\$7,158,921
<i>From TAEP Investment in FY10</i>				
Economic Activity	\$2,661,698	\$1,030,432	\$2,413,161	\$6,105,291
Jobs	71.0	8.3	20.5	99.8
Total Value Added	\$1,406,460	\$602,100	\$1,420,156	\$3,428,716
<i>From TAEP Projected Investment in FY11</i>				
Economic Activity	\$2,735,755	\$1,060,137	\$2,478,289	\$6,274,181
Jobs	72.0	8.6	21.0	101.6
Total Value Added	\$1,444,945	\$619,297	\$1,458,443	\$3,522,685

Overall Totals for Expenditures, Economic Activity, and Jobs Across the TAEP Focus Areas and Program Years

Table 14. TAEP Program Totals

Program	FY06	FY07	FY08	FY09	FY10	Projected FY11	Total FY06-11
Producer Cost Share							
Cattle Genetics	\$4,744,088	\$3,850,471	\$15,784,697	\$15,813,961	\$8,295,914	\$8,653,176	\$57,142,307
Hay Storage		\$1,857,143	\$3,434,871	\$7,532,804	\$4,628,997	\$9,417,672	\$26,871,487
Animal Feed Storage			\$3,040,059	\$5,507,611	\$3,967,416	\$1,689,249	\$14,204,335
Grain Storage					\$3,323,717	\$1,724,116	\$5,047,833
Producer Diversification	\$1,629,643	\$1,751,286	\$2,999,286	\$1,867,457	\$1,354,641	\$1,186,883	\$10,789,196
Ag Industry Development	\$341,000	\$620,000	\$2,692,872				<u>\$3,653,872</u>
						TOTAL	\$117,709,030
TAEP Cost Share							
Cattle Genetics	\$3,506,500	\$2,846,000	\$11,666,950	\$11,960,895	\$6,199,884	\$6,604,490	\$42,784,719
Hay Storage		\$1,000,000	\$1,849,546	\$4,056,125	\$2,492,537	\$5,071,054	\$14,469,262
Animal Feed Storage			\$2,247,000	\$4,070,843	\$2,932,438	\$1,248,575	\$10,498,856
Grain Storage					\$1,789,694	\$928,370	\$2,718,064
Producer Diversification	\$877,500	\$943,000	\$1,615,000	\$1,146,480	\$871,542	\$737,505	\$6,191,027
Ag Industry Development	\$616,000	\$1,211,000	\$4,588,572	\$5,483,387	\$2,661,698	\$2,735,755	<u>\$17,296,412</u>
						TOTAL	\$93,958,340

Table 15. Economic Impacts Across Programs and Years (\$2009)

	FY06	FY07	FY08	FY09	FY10	Projected FY11	Total FY06-11
<i>From Producer Investment</i>							
<u>Direct Economic Activity</u>							
Cattle Genetics	\$5,241,340	\$4,119,228	\$16,459,030	\$16,186,586	\$8,295,914	\$8,653,176	\$58,955,274
Hay Storage		\$1,948,980	\$3,547,196	\$7,654,981	\$4,628,997	\$9,417,672	\$27,197,826
Animal Feed Storage			\$3,151,541	\$5,607,647	\$3,967,416	\$1,689,249	\$14,415,853
Grain Storage					\$3,323,717	\$1,724,116	\$5,047,833
Producer Diversification	\$1,715,757	\$1,823,222	\$3,080,835	\$1,892,254	\$1,354,641	\$1,186,883	\$11,053,592
<i>Ag Industry Development</i>	\$362,893	\$645,511	\$2,766,243				<u>\$3,774,647</u>
						Total	\$120,445,025
<u>Total Economic Activity</u>							
Cattle Genetics	\$9,639,179	\$7,642,812	\$31,432,674	\$29,992,898	\$15,167,700	\$15,797,982	\$109,673,245
Hay Storage		\$4,011,765	\$7,301,519	\$15,756,951	\$9,528,288	\$19,385,257	\$55,983,780
Animal Feed Storage			\$6,269,190	\$11,157,921	\$7,896,304	\$3,362,093	\$28,685,508
Grain Storage					\$6,841,511	\$3,548,906	\$10,390,417
Producer Diversification	\$3,268,960	\$3,473,532	\$5,869,123	\$3,605,881	\$2,606,268	\$2,264,486	\$21,088,250
<i>Ag Industry Development</i>	\$832,427	\$1,480,715	\$6,345,390				<u>\$8,658,532</u>
						Total	\$234,479,732
<u>Total Jobs</u>							
Cattle Genetics	78.9	70.7	336.1	297.0	116.3	120.8	1,019.8
Hay Storage		37.1	67.5	145.6	88.1	179.1	517.4
Animal Feed Storage			52.5	93.5	66.2	28.2	240.4
Grain Storage					63.3	32.8	96.1
Producer Diversification	79.0	84.7	143.1	85.9	60.6	51.7	505.0
<i>Ag Industry Development</i>	13.6	24.3	104.0				<u>141.9</u>
						Total	2,520.6
<i>From TAEP Investment</i>							
<u>Direct Economic Activity</u>							
Cattle Genetics	\$3,874,034	\$3,044,375	\$12,199,876	\$12,242,477	\$6,199,884	\$6,604,490	\$44,165,136
Hay Storage		\$1,049,451	\$1,910,029	\$4,121,912	\$2,492,537	\$5,071,054	\$14,644,983

Table 15. Economic Impacts Across Programs and Years (\$2009) (Cont.)

	FY06	FY07	FY08	FY09	FY10	Projected FY11	Total FY06-11
Animal Feed Storage			\$2,329,400	\$4,144,783	\$2,932,438	\$1,248,575	\$10,655,196
Grain Storage					\$1,789,694	\$928,370	\$2,718,064
Producer Diversification	\$923,870	\$981,735	\$1,658,911	\$1,161,779	\$871,542	\$737,505	\$6,335,342
<i>Ag Industry Development</i>	\$655,548	\$1,261,171	\$4,714,494	\$5,557,939	\$2,661,698	\$2,735,755	<u>\$17,586,605</u>
						Total	\$96,105,326
<u>Total Economic Activity</u>							
Cattle Genetics	\$7,124,611	\$5,647,762	\$22,702,122	\$22,747,660	\$11,352,205	\$12,111,097	\$81,685,457
Hay Storage		\$2,160,181	\$3,931,588	\$8,484,511	\$5,130,617	\$10,438,215	\$30,145,112
Animal Feed Storage			\$4,633,749	\$8,247,159	\$5,836,399	\$2,485,025	\$21,202,332
Grain Storage					\$3,683,892	\$1,910,949	\$5,594,841
Producer Diversification	\$1,760,210	\$1,870,363	\$3,160,297	\$2,224,445	\$1,685,054	\$1,413,694	\$12,114,063
<i>Ag Industry Development</i>	\$1,503,740	\$2,892,620	\$10,813,095	\$12,748,128	\$6,105,291	\$6,274,181	<u>\$40,337,055</u>
						Total	\$191,078,860
<u>Total Jobs</u>							
Cattle Genetics	58.4	52.0	213.5	231.2	88.7	98.3	742.1
Hay Storage		19.9	36.4	78.4	47.4	96.4	278.5
Animal Feed Storage			38.8	69.0	49.0	20.8	177.6
Grain Storage					34.1	17.7	51.8
Producer Diversification	42.5	45.6	77.1	51.6	39.2	31.5	287.5
<i>Ag Industry Development</i>	24.6	47.0	176.0	208.0	99.8	101.6	<u>657.0</u>
						Total	2,194.5