



## Impacts of Additional Food Aid Allocations

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## IMPACTS OF ADDITIONAL FOOD AID ALLOCATIONS

This analysis builds on an earlier work that examined the impacts of increased usage of corn and soybean oil for the purposes of producing ethanol and biodiesel, respectively. (For a complete results of that analysis, see FAPRI-UMC Report #13-01 “Impacts of Increased Ethanol & Biodiesel Demand.”) In this study, the impacts of additional amounts of international food aid of soybeans and products, wheat and rice are compared to the results from the ethanol and biodiesel scenario.

### **Assumptions for the Food Aid Scenario**

- Paths for ethanol and biodiesel remain the same as in the scenario reported in “Impacts of Increased Ethanol & Biodiesel Demand,” FAPRI-UMC Report #13-01.
- For crop years 2001/02 through 2004/05, an additional 2 million metric tons (MMT) of soybeans and soybean products will be moved through PL-480 and Section 416. The breakdown is 0.7 MMT of soybeans, 0.9 of soybean meal, and 0.4 MMT of soybean oil.
- For crop years 2005/06 through 2010/11, the amount of additional shipments will increase from 2 MMT to 3.1345 MMT. The shipments are to occur as 1.139 MMT of soybeans, 1.372 of soybean meal, and 0.6235 MMT of soybean oil.
- Beginning with the 2001 crop, 1.5 MMT of additional PL-480/Sec. 416 shipments of wheat are assumed, along with an additional 10 million cwt of rice.
- For the food-aid shipments, additionality of 50% is assumed for all commodities. In other words, the food aid shipments are assumed to displace commercial exports by an amount equal to 50% of the food-aid quantity. Thus, the shift in the export demand curve is equal to 50% of the food-aid quantity.

### **Key Impacts of the Food Aid Scenario**

- Detailed impacts are given in Tables 1-14. The Food Aid scenario is measured against the Ethanol/Biodiesel scenario in order to isolate the impacts of the additional food aid.
- In the early years of the analysis, the additional food aid adds 10 cents to the farm price of soybeans. Longer term, **soybean prices** are increased by more than 20 cents per bushel.

- Initially, the increased prices do not induce additional **soybean plantings** since price levels are still below the loan rate. By the end of the analysis, acreage increases by 800 thousand acres.
- The quantities of additional PL-480 shipments give a relatively larger boost to soybean oil than meal. **Oil prices** increase by 4% in the early years and rise by 10% in the later years. Soybean meal prices change little under the scenario.
- Given the increase in soybean oil prices, virtually all U.S. **soybean oil exports** will occur under the PL-480 program.
- The additional shipments of wheat add 2-4 cents per bushel to **wheat farm prices**. The increase in **rice prices** due to the additional exports ranges between 20 and 25 cents per cwt.
- With little change in corn and soybean meal prices, the **U.S. livestock sector** is largely unchanged in the Food Aid scenario.
- In the early years of the analysis, the additional food aid adds approximately \$100 million to **net farm income**. By the end of the analysis, farm income is \$1.1 billion higher due to the additional food aid.
- Higher soybean prices result in lower **government outlays** associated with the marketing loan program. Between fiscal years 2002 and 2007, outlay savings range between \$300 and \$400 million. However, this savings does not take into account the acquisition and shipping costs associated with the food aid. Based on expected commodity prices, total acquisition costs would range between \$650 million and \$1.1 billion per year.

**Table 1. Impacts of Food Aid on U.S. Corn**

	00/01	01/02	02/03	03/04	04/05	05/06	06/07	07/08	08/09	09/10	10/11
<b>Planted Area</b>											
	(Million Acres)										
Ethanol/Biodiesel Scenario	79.5	78.0	78.7	79.1	79.6	80.6	81.5	82.3	82.7	83.6	83.8
Ethanol/Biodiesel/Food Aid	79.5	78.0	78.7	79.2	79.7	80.6	81.5	82.2	82.4	83.5	83.4
Change	0.0	-0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.3	-0.1	-0.4
% Change	0.0%	-0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.4%	-0.1%	-0.5%
<b>Production</b>											
	(Million Bushels)										
Ethanol/Biodiesel Scenario	9,968	9,722	9,958	10,157	10,371	10,631	10,897	11,146	11,354	11,610	11,796
Ethanol/Biodiesel/Food Aid	9,968	9,722	9,961	10,162	10,373	10,634	10,900	11,136	11,314	11,601	11,742
Change	0	-0	3	4	2	3	3	-10	-39	-9	-55
% Change	0.0%	-0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.3%	-0.1%	-0.5%
<b>Domestic Use</b>											
Ethanol/Biodiesel Scenario	7,743	7,725	7,840	8,015	8,184	8,391	8,597	8,797	8,996	9,192	9,350
Ethanol/Biodiesel/Food Aid	7,743	7,729	7,844	8,020	8,187	8,395	8,602	8,795	8,981	9,188	9,329
Change	0	5	4	5	4	5	4	-1	-15	-4	-21
% Change	0.0%	0.1%	0.0%	0.1%	0.0%	0.1%	0.1%	-0.0%	-0.2%	-0.0%	-0.2%
<b>Exports</b>											
Ethanol/Biodiesel Scenario	2,102	2,143	2,161	2,179	2,238	2,285	2,339	2,384	2,422	2,456	2,502
Ethanol/Biodiesel/Food Aid	2,102	2,141	2,160	2,178	2,237	2,284	2,338	2,381	2,409	2,443	2,481
Change	-0	-2	-1	-1	-1	-2	-1	-4	-12	-13	-20
% Change	-0.0%	-0.1%	-0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.2%	-0.5%	-0.5%	-0.8%
<b>Ending Stocks</b>											
Ethanol/Biodiesel Scenario	1,851	1,715	1,681	1,654	1,614	1,578	1,549	1,524	1,470	1,443	1,398
Ethanol/Biodiesel/Food Aid	1,851	1,712	1,678	1,652	1,611	1,575	1,546	1,517	1,451	1,432	1,373
Change	-0	-3	-3	-2	-3	-3	-3	-7	-20	-11	-24
% Change	-0.0%	-0.2%	-0.2%	-0.1%	-0.2%	-0.2%	-0.2%	-0.5%	-1.3%	-0.8%	-1.7%
<b>Farm Price</b>											
	(Dollars per Bushel)										
Ethanol/Biodiesel Scenario	1.87	2.06	2.11	2.17	2.26	2.35	2.44	2.52	2.64	2.72	2.82
Ethanol/Biodiesel/Food Aid	1.87	2.06	2.12	2.17	2.26	2.35	2.44	2.52	2.66	2.73	2.85
Change	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.03
% Change	0.0%	0.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.4%	0.8%	0.5%	0.9%
<b>Market + LDP Net Returns</b>											
	(Dollars per Acre)										
Ethanol/Biodiesel Scenario	114.77	99.82	114.74	127.87	142.72	157.88	171.59	183.70	202.16	214.43	229.75
Ethanol/Biodiesel/Food Aid	114.78	99.82	115.38	128.41	143.35	158.57	172.27	185.11	205.59	216.34	233.99
Change	0.01	0.00	0.64	0.54	0.63	0.69	0.68	1.41	3.42	1.90	4.24
% Change	0.0%	0.0%	0.6%	0.4%	0.4%	0.4%	0.4%	0.8%	1.7%	0.9%	1.8%

**Table 2. Impacts of Food Aid on U.S. Soybeans**

	00/01	01/02	02/03	03/04	04/05	05/06	06/07	07/08	08/09	09/10	10/11
<b>Planted Area</b>											
	(Million Acres)										
Ethanol/Biodiesel Scenario	74.5	75.9	75.5	75.1	74.8	74.4	74.0	73.7	73.7	73.7	73.9
Ethanol/Biodiesel/Food Aid	74.5	75.9	75.4	75.0	74.7	74.3	73.9	73.7	74.2	74.0	74.7
Change	0.0	-0.0	-0.1	-0.1	-0.1	-0.1	-0.1	0.1	0.5	0.3	0.8
% Change	0.0%	-0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	0.1%	0.7%	0.4%	1.0%
<b>Production</b>											
	(Million Bushels)										
Ethanol/Biodiesel Scenario	2,770	2,946	2,968	2,989	3,014	3,034	3,054	3,074	3,105	3,135	3,174
Ethanol/Biodiesel/Food Aid	2,770	2,946	2,966	2,987	3,012	3,032	3,051	3,076	3,123	3,147	3,201
Change	0	-0	-2	-3	-2	-3	-3	3	18	11	26
% Change	0.0%	-0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	0.1%	0.6%	0.4%	0.8%
<b>Domestic Use</b>											
Ethanol/Biodiesel Scenario	1,769	1,831	1,853	1,877	1,901	1,925	1,952	1,977	2,005	2,033	2,066
Ethanol/Biodiesel/Food Aid	1,769	1,833	1,855	1,878	1,902	1,926	1,954	1,982	2,016	2,042	2,080
Change	0	1	2	1	1	1	3	6	11	9	14
% Change	0.0%	0.1%	0.1%	0.0%	0.1%	0.1%	0.1%	0.3%	0.5%	0.5%	0.7%
<b>Exports</b>											
Ethanol/Biodiesel Scenario	975	1,044	1,103	1,126	1,135	1,129	1,119	1,115	1,113	1,118	1,120
Ethanol/Biodiesel/Food Aid	975	1,053	1,099	1,123	1,130	1,131	1,113	1,114	1,119	1,131	1,128
Change	0	9	-4	-3	-4	2	-6	-1	6	13	9
% Change	0.0%	0.9%	-0.4%	-0.3%	-0.4%	0.2%	-0.5%	-0.1%	0.6%	1.1%	0.8%
<b>Ending Stocks</b>											
Ethanol/Biodiesel Scenario	318	392	407	397	379	362	348	333	322	310	302
Ethanol/Biodiesel/Food Aid	318	382	397	386	369	346	333	316	306	283	278
Change	-0	-10	-10	-10	-10	-16	-15	-17	-16	-27	-24
% Change	-0.0%	-2.6%	-2.5%	-2.6%	-2.6%	-4.3%	-4.4%	-5.2%	-5.0%	-8.7%	-7.8%
<b>Farm Price</b>											
	(Dollars per Bushel)										
Ethanol/Biodiesel Scenario	4.75	4.54	4.59	4.74	4.96	5.16	5.34	5.53	5.69	5.83	5.94
Ethanol/Biodiesel/Food Aid	4.75	4.64	4.69	4.85	5.06	5.33	5.49	5.72	5.83	6.07	6.16
Change	0.00	0.11	0.10	0.10	0.10	0.16	0.16	0.18	0.14	0.24	0.22
% Change	0.0%	2.4%	2.1%	2.2%	1.9%	3.2%	3.0%	3.3%	2.5%	4.2%	3.7%
<b>Crush Margin</b>											
Ethanol/Biodiesel Scenario	1.02	1.06	1.05	1.06	1.06	1.06	1.08	1.09	1.11	1.13	1.16
Ethanol/Biodiesel/Food Aid	1.02	1.07	1.06	1.06	1.06	1.07	1.09	1.11	1.15	1.17	1.21
Change	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.04	0.04	0.06
% Change	0.0%	0.5%	0.9%	0.5%	0.7%	0.8%	1.3%	2.1%	3.7%	3.3%	4.8%
<b>Market + LDP Net Returns</b>											
	(Dollars per Acre)										
Ethanol/Biodiesel Scenario	127.32	131.95	136.83	139.07	140.31	141.56	142.38	144.00	150.98	157.03	161.41
Ethanol/Biodiesel/Food Aid	127.32	131.95	136.90	139.14	140.38	141.63	142.45	151.65	156.80	167.37	170.45
Change	0.00	0.00	0.07	0.07	0.07	0.07	0.07	7.64	5.82	10.34	9.04
% Change	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.1%	5.3%	3.9%	6.6%	5.6%

**Table 3. Impacts of Food Aid on U.S. Soy Products**

	00/01	01/02	02/03	03/04	04/05	05/06	06/07	07/08	08/09	09/10	10/11
<b>Oil Production</b>											
	(Million Pounds)										
Ethanol/Biodiesel Scenario	18,074	18,830	19,081	19,355	19,625	19,912	20,222	20,514	20,838	21,147	21,512
Ethanol/Biodiesel/Food Aid	18,074	18,845	19,102	19,366	19,640	19,929	20,252	20,572	20,952	21,244	21,664
Change	0	14	21	11	15	17	30	57	114	97	152
% Change	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.3%	0.5%	0.5%	0.7%
<b>Oil Domestic Use</b>											
Ethanol/Biodiesel Scenario	16,454	17,179	17,745	18,077	18,427	18,812	19,201	19,590	19,939	20,377	20,782
Ethanol/Biodiesel/Food Aid	16,454	17,043	17,606	17,943	18,304	18,626	19,012	19,353	19,708	20,033	20,427
Change	0	-136	-139	-133	-123	-186	-189	-237	-231	-343	-355
% Change	0.0%	-0.8%	-0.8%	-0.7%	-0.7%	-1.0%	-1.0%	-1.2%	-1.2%	-1.7%	-1.7%
<b>Oil Exports</b>											
Ethanol/Biodiesel Scenario	1,401	1,747	1,454	1,396	1,316	1,228	1,149	1,058	1,030	884	852
Ethanol/Biodiesel/Food Aid	1,401	1,931	1,620	1,542	1,453	1,454	1,375	1,375	1,375	1,375	1,375
Change	0	184	166	147	137	226	226	316	345	490	522
% Change	0.0%	10.6%	11.4%	10.5%	10.4%	18.4%	19.6%	29.9%	33.5%	55.4%	61.3%
<b>Oil Ending Stocks</b>											
Ethanol/Biodiesel Scenario	2,293	2,288	2,261	2,234	2,206	2,167	2,129	2,086	2,045	2,021	1,990
Ethanol/Biodiesel/Food Aid	2,293	2,255	2,221	2,191	2,164	2,103	2,058	1,993	1,953	1,879	1,833
Change	0	-34	-40	-42	-42	-64	-71	-93	-93	-142	-157
% Change	0.0%	-1.5%	-1.8%	-1.9%	-1.9%	-3.0%	-3.4%	-4.5%	-4.5%	-7.0%	-7.9%
<b>Oil Price</b>											
	(Cents per Pound)										
Ethanol/Biodiesel Scenario	14.23	14.89	15.50	16.51	17.64	18.92	20.17	21.50	22.76	23.78	24.99
Ethanol/Biodiesel/Food Aid	14.23	15.56	16.21	17.22	18.34	20.04	21.37	23.07	24.37	26.24	27.62
Change	-0.00	0.67	0.70	0.71	0.70	1.12	1.19	1.58	1.61	2.46	2.63
% Change	-0.0%	4.5%	4.5%	4.3%	4.0%	5.9%	5.9%	7.3%	7.1%	10.3%	10.5%
<b>Meal Production</b>											
	(Thousand Tons)										
Ethanol/Biodiesel Scenario	38,336	39,438	39,945	40,501	41,048	41,629	42,259	42,851	43,508	44,134	44,876
Ethanol/Biodiesel/Food Aid	38,336	39,468	39,989	40,524	41,078	41,665	42,322	42,971	43,747	44,337	45,194
Change	0	30	45	23	30	36	63	120	239	203	318
% Change	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.3%	0.5%	0.5%	0.7%
<b>Meal Domestic Use</b>											
Ethanol/Biodiesel Scenario	31,227	31,544	32,216	32,813	33,140	33,466	33,817	34,261	34,452	34,800	35,271
Ethanol/Biodiesel/Food Aid	31,227	31,497	32,185	32,780	33,113	33,407	33,774	34,251	34,503	34,851	35,390
Change	0	-47	-31	-32	-27	-59	-43	-10	51	50	119
% Change	0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.2%	-0.1%	-0.0%	0.1%	0.1%	0.3%
<b>Meal Exports</b>											
Ethanol/Biodiesel Scenario	7,192	7,981	7,794	7,749	7,969	8,223	8,503	8,650	9,116	9,394	9,662
Ethanol/Biodiesel/Food Aid	7,192	8,056	7,869	7,805	8,026	8,317	8,608	8,778	9,302	9,542	9,860
Change	-0	76	74	56	57	94	105	128	186	149	197
% Change	-0.0%	0.9%	1.0%	0.7%	0.7%	1.1%	1.2%	1.5%	2.0%	1.6%	2.0%
<b>Meal Ending Stocks</b>											
Ethanol/Biodiesel Scenario	275	252	252	256	259	264	269	274	279	284	292
Ethanol/Biodiesel/Food Aid	275	254	254	258	261	267	273	279	286	296	305
Change	-0	1	2	2	2	3	4	6	7	12	13
% Change	-0.0%	0.6%	0.8%	0.8%	0.8%	1.1%	1.3%	2.0%	2.7%	4.1%	4.5%
<b>Meal Price, 48%</b>											
	(Dollars per Ton)										
Ethanol/Biodiesel Scenario	182.86	175.40	174.32	175.67	178.74	180.54	182.12	183.99	185.00	186.21	185.73
Ethanol/Biodiesel/Food Aid	182.86	176.62	175.14	176.50	179.47	181.94	183.17	184.53	184.63	185.55	184.01
Change	0.00	1.22	0.83	0.83	0.73	1.40	1.05	0.54	-0.37	-0.66	-1.72
% Change	0.0%	0.7%	0.5%	0.5%	0.4%	0.8%	0.6%	0.3%	-0.2%	-0.4%	-0.9%

**Table 4. Impacts of Food Aid on U.S. Wheat**

	00/01	01/02	02/03	03/04	04/05	05/06	06/07	07/08	08/09	09/10	10/11
<b>Planted Area</b>											
	(Million Acres)										
Ethanol/Biodiesel Scenario	62.5	61.0	62.4	62.0	62.6	62.8	62.9	63.2	63.6	63.5	63.6
Ethanol/Biodiesel/Food Aid	62.5	61.0	62.5	62.1	62.7	62.8	63.0	63.3	63.5	63.4	63.5
Change	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1	-0.1	-0.1	-0.1
% Change	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	-0.1%	-0.2%	-0.2%
<b>Production</b>											
	(Million Bushels)										
Ethanol/Biodiesel Scenario	2,223	2,203	2,270	2,277	2,316	2,342	2,367	2,397	2,430	2,444	2,469
Ethanol/Biodiesel/Food Aid	2,223	2,203	2,273	2,278	2,318	2,344	2,370	2,399	2,427	2,440	2,464
Change	0	0	2	1	3	2	2	3	-3	-4	-5
% Change	0.0%	0.0%	0.1%	0.0%	0.1%	0.1%	0.1%	0.1%	-0.1%	-0.2%	-0.2%
<b>Domestic Use</b>											
Ethanol/Biodiesel Scenario	1,327	1,305	1,335	1,334	1,351	1,369	1,387	1,402	1,428	1,444	1,459
Ethanol/Biodiesel/Food Aid	1,327	1,297	1,331	1,329	1,346	1,364	1,382	1,397	1,424	1,439	1,455
Change	0	-8	-5	-5	-5	-5	-5	-5	-4	-5	-4
% Change	0.0%	-0.6%	-0.4%	-0.4%	-0.3%	-0.4%	-0.4%	-0.3%	-0.3%	-0.3%	-0.3%
<b>Exports</b>											
Ethanol/Biodiesel Scenario	1,125	1,052	1,042	1,058	1,072	1,081	1,090	1,104	1,107	1,110	1,120
Ethanol/Biodiesel/Food Aid	1,125	1,063	1,048	1,065	1,079	1,088	1,097	1,111	1,111	1,112	1,120
Change	-0	11	6	6	7	7	7	7	4	2	-0
% Change	-0.0%	1.0%	0.6%	0.6%	0.6%	0.7%	0.7%	0.6%	0.3%	0.1%	-0.0%
<b>Ending Stocks</b>											
Ethanol/Biodiesel Scenario	816	757	745	724	712	699	685	672	661	646	631
Ethanol/Biodiesel/Food Aid	816	754	743	723	711	698	684	670	658	642	627
Change	-0	-2	-2	-2	-1	-1	-1	-1	-3	-3	-4
% Change	-0.0%	-0.3%	-0.2%	-0.2%	-0.2%	-0.2%	-0.2%	-0.2%	-0.5%	-0.5%	-0.7%
<b>Farm Price</b>											
	(Dollars per Bushel)										
Ethanol/Biodiesel Scenario	2.67	2.88	2.92	3.05	3.13	3.22	3.31	3.41	3.49	3.57	3.67
Ethanol/Biodiesel/Food Aid	2.67	2.92	2.94	3.07	3.15	3.24	3.33	3.43	3.52	3.60	3.71
Change	0.00	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04
% Change	0.0%	1.1%	0.7%	0.7%	0.6%	0.7%	0.6%	0.7%	0.9%	0.8%	1.0%
<b>Market + LDP Net Returns</b>											
	(Dollars per Acre)										
Ethanol/Biodiesel Scenario	65.22	52.23	55.78	62.19	66.45	70.36	74.50	78.67	81.80	85.22	89.13
Ethanol/Biodiesel/Food Aid	65.22	52.23	56.15	63.06	67.28	71.25	75.40	79.62	83.18	86.55	90.73
Change	0.00	-0.00	0.37	0.87	0.83	0.89	0.89	0.94	1.38	1.33	1.61
% Change	0.0%	-0.0%	0.7%	1.4%	1.2%	1.3%	1.2%	1.2%	1.7%	1.6%	1.8%

**Table 5. Impacts of Food Aid on U.S. Cotton**

	00/01	01/02	02/03	03/04	04/05	05/06	06/07	07/08	08/09	09/10	10/11
<b>Planted Area</b>											
	(Million Acres)										
Ethanol/Biodiesel Scenario	15.37	15.60	15.15	15.05	15.04	15.03	15.03	15.02	15.01	14.98	14.96
Ethanol/Biodiesel/Food Aid	15.37	15.60	15.13	15.04	15.03	15.03	15.02	15.01	14.98	14.96	14.93
Change	0.00	-0.00	-0.02	-0.01	-0.01	-0.01	-0.01	-0.02	-0.03	-0.02	-0.03
% Change	0.0%	-0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.2%	-0.2%	-0.2%
<b>Production</b>											
	(Million Bales)										
Ethanol/Biodiesel Scenario	16.82	18.67	18.22	18.25	18.35	18.47	18.57	18.67	18.76	18.82	18.90
Ethanol/Biodiesel/Food Aid	16.82	18.67	18.20	18.24	18.34	18.46	18.56	18.65	18.72	18.79	18.86
Change	0.00	-0.00	-0.03	-0.01	-0.01	-0.01	-0.01	-0.02	-0.04	-0.04	-0.04
% Change	0.0%	-0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.2%	-0.2%	-0.2%
<b>Domestic Use</b>											
Ethanol/Biodiesel Scenario	9.67	9.91	9.87	9.85	9.82	9.78	9.75	9.72	9.68	9.65	9.61
Ethanol/Biodiesel/Food Aid	9.67	9.91	9.87	9.85	9.81	9.78	9.75	9.71	9.68	9.64	9.60
Change	0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.01	-0.01	-0.01
% Change	0.0%	-0.0%	-0.0%	-0.0%	-0.0%	-0.0%	-0.0%	-0.0%	-0.1%	-0.1%	-0.1%
<b>Exports</b>											
Ethanol/Biodiesel Scenario	6.88	8.25	8.41	8.50	8.65	8.81	8.96	9.10	9.24	9.37	9.49
Ethanol/Biodiesel/Food Aid	6.88	8.25	8.40	8.49	8.64	8.80	8.95	9.09	9.22	9.35	9.46
Change	0.00	-0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.03
% Change	0.0%	-0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.2%	-0.2%	-0.3%	-0.3%
<b>Ending Stocks</b>											
Ethanol/Biodiesel Scenario	3.98	4.53	4.52	4.45	4.38	4.30	4.20	4.09	3.96	3.80	3.64
Ethanol/Biodiesel/Food Aid	3.98	4.53	4.50	4.44	4.36	4.28	4.18	4.06	3.92	3.76	3.59
Change	0.00	-0.00	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.04	-0.04	-0.05
% Change	0.0%	-0.0%	-0.3%	-0.4%	-0.4%	-0.4%	-0.4%	-0.6%	-1.0%	-1.1%	-1.4%
<b>Farm Price</b>											
	(Dollars per Pound)										
Ethanol/Biodiesel Scenario	0.561	0.554	0.557	0.562	0.568	0.574	0.582	0.590	0.599	0.609	0.619
Ethanol/Biodiesel/Food Aid	0.561	0.554	0.558	0.562	0.568	0.575	0.582	0.591	0.601	0.611	0.622
Change	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002
% Change	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.3%	0.3%	0.4%
<b>Market + LDP Net Returns</b>											
	(Dollars per Acre)										
Ethanol/Biodiesel Scenario	113.61	88.61	97.43	104.89	110.49	115.81	120.05	124.52	128.98	133.02	136.61
Ethanol/Biodiesel/Food Aid	113.61	90.23	99.45	106.98	112.55	118.91	123.25	128.62	133.36	139.26	143.21
Change	0.00	1.62	2.02	2.09	2.06	3.10	3.20	4.10	4.38	6.23	6.60
% Change	0.0%	1.8%	2.1%	2.0%	1.9%	2.7%	2.7%	3.3%	3.4%	4.7%	4.8%



**Table 6. Impacts of Food Aid on U.S. Rice**

	00/01	01/02	02/03	03/04	04/05	05/06	06/07	07/08	08/09	09/10	10/11
<b>Planted Area</b>											
	(Million Acres)										
Ethanol/Biodiesel Scenario	3.07	3.29	3.42	3.41	3.40	3.40	3.38	3.36	3.34	3.31	3.28
Ethanol/Biodiesel/Food Aid	3.07	3.29	3.51	3.50	3.49	3.49	3.47	3.45	3.42	3.39	3.35
Change	0.00	-0.00	0.10	0.09	0.09	0.09	0.09	0.09	0.08	0.08	0.08
% Change	0.0%	-0.0%	2.8%	2.7%	2.7%	2.7%	2.7%	2.7%	2.4%	2.5%	2.3%
<b>Production</b>											
	(Million Hundredweight)										
Ethanol/Biodiesel Scenario	191.1	196.9	204.4	205.3	206.4	207.5	207.8	208.2	208.4	208.0	207.7
Ethanol/Biodiesel/Food Aid	191.1	196.9	209.1	209.9	211.0	212.1	212.5	213.0	212.6	212.3	211.8
Change	0.0	-0.0	4.7	4.6	4.6	4.6	4.7	4.7	4.2	4.3	4.1
% Change	0.0%	-0.0%	2.3%	2.2%	2.2%	2.2%	2.3%	2.3%	2.0%	2.1%	2.0%
<b>Domestic Use</b>											
Ethanol/Biodiesel Scenario	123.1	126.0	128.6	131.1	133.8	136.4	139.0	141.5	144.1	146.6	149.1
Ethanol/Biodiesel/Food Aid	123.1	125.9	128.6	131.0	133.8	136.3	139.0	141.4	144.0	146.5	149.0
Change	-0.0	-0.1	-0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
% Change	-0.0%	-0.0%	-0.0%	-0.0%	-0.0%	-0.0%	-0.0%	-0.1%	-0.1%	-0.1%	-0.1%
<b>Exports</b>											
Ethanol/Biodiesel Scenario	80.0	81.8	86.1	86.8	85.1	84.4	82.6	81.4	79.0	77.0	75.0
Ethanol/Biodiesel/Food Aid	80.0	84.3	90.2	91.3	89.7	89.1	87.3	86.2	83.5	81.4	79.3
Change	0.0	2.4	4.1	4.5	4.6	4.7	4.7	4.8	4.4	4.4	4.3
% Change	0.0%	3.0%	4.8%	5.2%	5.4%	5.5%	5.7%	5.9%	5.6%	5.7%	5.7%
<b>Ending Stocks</b>											
Ethanol/Biodiesel Scenario	25.5	25.5	26.6	25.9	26.0	25.8	25.6	25.0	25.0	24.6	23.9
Ethanol/Biodiesel/Food Aid	25.5	23.1	24.9	24.3	24.4	24.2	24.0	23.5	23.3	22.9	22.2
Change	-0.0	-2.4	-1.7	-1.6	-1.6	-1.6	-1.6	-1.6	-1.7	-1.7	-1.8
% Change	-0.0%	-9.4%	-6.5%	-6.2%	-6.1%	-6.2%	-6.1%	-6.2%	-6.8%	-7.0%	-7.5%
<b>Farm Price</b>											
	(Dollars per Hundredweight)										
Ethanol/Biodiesel Scenario	5.78	6.29	6.55	6.96	7.05	7.27	7.43	7.71	7.83	8.04	8.26
Ethanol/Biodiesel/Food Aid	5.78	6.51	6.75	7.16	7.26	7.49	7.65	7.94	8.07	8.28	8.51
Change	0.00	0.22	0.19	0.20	0.21	0.22	0.22	0.22	0.24	0.24	0.25
% Change	0.0%	3.5%	3.0%	2.9%	3.0%	3.0%	2.9%	2.9%	3.0%	3.0%	3.0%
<b>Market + LDP Net Returns</b>											
	(Dollars per Acre)										
Ethanol/Biodiesel Scenario	155.22	136.62	150.76	157.19	160.46	162.13	162.98	163.17	163.49	163.52	160.43
Ethanol/Biodiesel/Food Aid	155.22	152.06	163.17	169.91	173.50	175.60	176.66	177.34	178.81	179.21	176.87
Change	-0.00	15.44	12.41	12.72	13.04	13.46	13.68	14.18	15.32	15.69	16.44
% Change	-0.0%	11.3%	8.2%	8.1%	8.1%	8.3%	8.4%	8.7%	9.4%	9.6%	10.2%

**Table 7. Impacts of Food Aid on U.S. Sorghum**

	00/01	01/02	02/03	03/04	04/05	05/06	06/07	07/08	08/09	09/10	10/11
<b>Planted Area</b>											
	(Million Acres)										
Ethanol/Biodiesel Scenario	9.2	9.4	9.4	9.3	9.2	9.2	9.3	9.3	9.2	9.2	9.2
Ethanol/Biodiesel/Food Aid	9.2	9.4	9.4	9.3	9.2	9.2	9.3	9.3	9.2	9.2	9.1
Change	0.0	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
% Change	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.3%	-0.1%	-0.4%
<b>Production</b>											
	(Million Bushels)										
Ethanol/Biodiesel Scenario	470	564	568	564	565	568	572	575	575	577	578
Ethanol/Biodiesel/Food Aid	470	564	568	563	564	567	572	574	573	575	575
Change	0	0	-0	-0	-0	-0	-0	-1	-2	-1	-3
% Change	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.3%	-0.2%	-0.5%
<b>Domestic Use</b>											
Ethanol/Biodiesel Scenario	290	349	357	355	351	343	340	339	336	329	324
Ethanol/Biodiesel/Food Aid	290	349	356	355	351	343	339	339	334	327	322
Change	0	0	-0	-1	-1	-1	-1	-1	-1	-2	-2
% Change	0.0%	0.0%	-0.1%	-0.2%	-0.2%	-0.2%	-0.2%	-0.2%	-0.4%	-0.5%	-0.6%
<b>Exports</b>											
Ethanol/Biodiesel Scenario	200	200	210	212	217	228	236	238	243	251	258
Ethanol/Biodiesel/Food Aid	200	200	210	213	217	228	236	238	244	251	258
Change	0	0	0	0	0	0	0	0	0	0	0
% Change	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%
<b>Ending Stocks</b>											
Ethanol/Biodiesel Scenario	45	59	61	57	53	49	46	44	40	36	32
Ethanol/Biodiesel/Food Aid	45	59	60	57	53	49	46	43	38	35	31
Change	-0	-0	-0	-0	-0	-0	-0	-1	-1	-1	-2
% Change	-0.0%	-0.4%	-0.5%	-0.5%	-0.6%	-0.7%	-0.7%	-1.2%	-3.2%	-2.4%	-4.9%
<b>Farm Price</b>											
	(Dollars per Bushel)										
Ethanol/Biodiesel Scenario	1.78	1.85	1.88	1.94	2.01	2.11	2.18	2.25	2.34	2.42	2.51
Ethanol/Biodiesel/Food Aid	1.78	1.85	1.88	1.94	2.02	2.11	2.19	2.25	2.36	2.43	2.54
Change	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.02
% Change	0.0%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.4%	0.8%	0.5%	0.9%
<b>Market + LDP Net Returns</b>											
	(Dollars per Acre)										
Ethanol/Biodiesel Scenario	26.46	29.42	34.93	40.24	45.76	52.14	57.10	60.55	66.40	70.74	75.85
Ethanol/Biodiesel/Food Aid	26.47	29.42	35.25	40.54	46.09	52.48	57.44	61.12	67.67	71.53	77.41
Change	0.00	-0.00	0.32	0.30	0.33	0.34	0.34	0.57	1.27	0.80	1.56
% Change	0.0%	-0.0%	0.9%	0.7%	0.7%	0.7%	0.6%	0.9%	1.9%	1.1%	2.1%

**Table 8. Impacts of Food Aid on U.S. Barley**

	00/01	01/02	02/03	03/04	04/05	05/06	06/07	07/08	08/09	09/10	10/11
<b>Planted Area</b>											
	(Million Acres)										
Ethanol/Biodiesel Scenario	5.8	5.9	5.9	5.8	5.8	5.8	5.8	5.7	5.7	5.7	5.7
Ethanol/Biodiesel/Food Aid	5.8	5.9	5.8	5.8	5.8	5.8	5.8	5.7	5.7	5.7	5.6
Change	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.1
% Change	0.0%	-0.0%	-0.2%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.5%	-0.5%	-0.9%
<b>Production</b>											
	(Million Bushels)										
Ethanol/Biodiesel Scenario	318	332	335	338	338	340	342	344	345	348	349
Ethanol/Biodiesel/Food Aid	318	332	335	337	338	339	342	343	344	346	346
Change	0	-0	-1	-0	-1	-0	-0	-1	-2	-2	-3
% Change	0.0%	-0.0%	-0.2%	-0.1%	-0.2%	-0.1%	-0.1%	-0.2%	-0.5%	-0.5%	-0.8%
<b>Domestic Use</b>											
Ethanol/Biodiesel Scenario	303	316	318	320	317	316	316	316	316	317	318
Ethanol/Biodiesel/Food Aid	303	315	318	319	317	316	316	316	315	315	315
Change	-0	-0	-1	-0	-0	-0	-0	-1	-2	-2	-2
% Change	-0.0%	-0.0%	-0.2%	-0.1%	-0.1%	-0.1%	-0.1%	-0.2%	-0.5%	-0.5%	-0.8%
<b>Exports</b>											
Ethanol/Biodiesel Scenario	50	47	49	50	52	55	57	59	62	63	64
Ethanol/Biodiesel/Food Aid	50	48	49	50	52	55	57	59	62	63	64
Change	0	0	-0	-0	-0	0	0	0	0	-0	0
% Change	0.0%	0.4%	-0.1%	-0.1%	-0.1%	0.0%	0.0%	0.2%	0.3%	-0.2%	0.0%
<b>Ending Stocks</b>											
Ethanol/Biodiesel Scenario	106	106	105	103	101	100	98	96	94	92	90
Ethanol/Biodiesel/Food Aid	106	106	104	103	101	99	98	96	93	92	89
Change	-0	-0	-0	-0	-0	-0	-0	-0	-1	-0	-1
% Change	-0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.2%	-0.6%	-0.4%	-0.8%
<b>Farm Price</b>											
	(Dollars per Bushel)										
Ethanol/Biodiesel Scenario	2.12	2.23	2.28	2.32	2.38	2.45	2.50	2.56	2.64	2.71	2.79
Ethanol/Biodiesel/Food Aid	2.12	2.24	2.28	2.33	2.39	2.45	2.51	2.56	2.66	2.72	2.81
Change	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.02	0.01	0.03
% Change	0.0%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.3%	0.7%	0.5%	0.9%
<b>Market + LDP Net Returns</b>											
	(Dollars per Acre)										
Ethanol/Biodiesel Scenario	52.96	48.15	57.12	60.74	62.35	65.03	68.61	71.84	76.98	80.72	85.46
Ethanol/Biodiesel/Food Aid	52.97	48.15	57.08	60.71	62.32	65.34	68.92	72.35	78.36	81.76	87.39
Change	0.00	0.00	-0.03	-0.04	-0.03	0.31	0.31	0.51	1.38	1.04	1.94
% Change	0.0%	0.0%	-0.1%	-0.1%	-0.0%	0.5%	0.5%	0.7%	1.8%	1.3%	2.3%

**Table 9. Impacts of Food Aid on U.S. Oats**

	00/01	01/02	02/03	03/04	04/05	05/06	06/07	07/08	08/09	09/10	10/11
<b>Harvested Area</b>											
	(Million Acres)										
Ethanol/Biodiesel Scenario	2.3	2.4	2.1	2.1	2.0	2.0	1.9	1.9	1.8	1.8	1.7
Ethanol/Biodiesel/Food Aid	2.3	2.4	2.1	2.1	2.0	2.0	1.9	1.9	1.8	1.8	1.7
Change	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
% Change	0.0%	-0.0%	-0.3%	-0.2%	-0.2%	-0.2%	-0.1%	-0.4%	-1.9%	-1.3%	-2.2%
<b>Production</b>											
	(Million Bushels)										
Ethanol/Biodiesel Scenario	149	143	130	125	124	121	119	117	115	111	109
Ethanol/Biodiesel/Food Aid	149	143	130	125	124	120	119	117	113	110	106
Change	0	-0	-0	-0	-0	-0	-0	-1	-2	-1	-2
% Change	0.0%	-0.0%	-0.3%	-0.2%	-0.2%	-0.2%	-0.1%	-0.4%	-2.0%	-1.3%	-2.2%
<b>Imports</b>											
Ethanol/Biodiesel Scenario	100	102	104	105	105	106	106	107	107	108	108
Ethanol/Biodiesel/Food Aid	100	102	104	105	106	106	106	107	108	108	109
Change	0	0	0	0	0	0	0	0	0	0	0
% Change	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%	0.4%	0.3%	0.4%
<b>Domestic Use</b>											
Ethanol/Biodiesel Scenario	243	244	237	233	230	228	226	224	222	220	218
Ethanol/Biodiesel/Food Aid	243	244	237	232	230	227	226	224	222	219	216
Change	0	0	-0	-0	-0	-0	-0	-0	-1	-1	-1
% Change	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.4%	-0.5%	-0.6%
<b>Ending Stocks</b>											
Ethanol/Biodiesel Scenario	80	78	73	69	67	64	61	59	57	54	52
Ethanol/Biodiesel/Food Aid	80	78	73	69	66	63	61	59	56	53	50
Change	-0	-0	-0	-0	-0	-0	-0	-0	-1	-1	-2
% Change	-0.0%	-0.1%	-0.3%	-0.3%	-0.3%	-0.3%	-0.3%	-0.6%	-2.1%	-2.2%	-3.4%
<b>Farm Price</b>											
	(Dollars per Bushel)										
Ethanol/Biodiesel Scenario	1.06	1.12	1.19	1.26	1.31	1.37	1.42	1.46	1.52	1.58	1.63
Ethanol/Biodiesel/Food Aid	1.06	1.13	1.20	1.26	1.32	1.38	1.43	1.47	1.55	1.60	1.67
Change	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.02	0.04
% Change	0.0%	0.2%	0.4%	0.3%	0.4%	0.4%	0.3%	0.5%	1.7%	1.5%	2.3%
<b>Market + LDP Net Returns</b>											
	(Dollars per Acre)										
Ethanol/Biodiesel Scenario	32.74	24.15	22.71	21.71	25.02	28.53	31.08	32.91	35.80	38.30	40.76
Ethanol/Biodiesel/Food Aid	32.74	24.15	22.70	21.97	25.30	28.83	31.35	33.38	37.42	39.76	43.09
Change	0.00	0.00	-0.01	0.26	0.29	0.30	0.27	0.46	1.61	1.47	2.34
% Change	0.0%	0.0%	-0.0%	1.2%	1.1%	1.1%	0.9%	1.4%	4.5%	3.8%	5.7%

**Table 10. Impacts of Food Aid on 8-Crop Land Use**

	00/01	01/02	02/03	03/04	04/05	05/06	06/07	07/08	08/09	09/10	10/11
<b>8-Crop Planted</b>	(Million Acres)										
Ethanol/Biodiesel Scenario	252.4	251.4	252.7	251.9	252.5	253.1	253.8	254.4	255.1	255.7	256.2
Ethanol/Biodiesel/Food Aid	252.4	251.4	252.7	251.9	252.6	253.2	253.9	254.6	255.2	255.8	256.3
Change	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.1%	0.0%
<b>8-Crop CRP</b>											
Ethanol/Biodiesel Scenario	31.4	33.5	34.5	35.5	36.0	36.2	36.2	36.2	36.2	36.2	36.2
Ethanol/Biodiesel/Food Aid	31.4	33.5	34.5	35.5	36.0	36.2	36.2	36.2	36.2	36.2	36.2
Change	-0.0	-0.0	-0.0	0.0	0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
% Change	-0.0%	-0.0%	-0.0%	0.0%	0.0%	-0.0%	-0.0%	-0.0%	-0.0%	-0.0%	-0.0%
<b>8-Crop Planted + Idled</b>											
Ethanol/Biodiesel Scenario	283.8	284.9	287.2	287.4	288.5	289.3	290.0	290.6	291.3	291.9	292.4
Ethanol/Biodiesel/Food Aid	283.8	284.9	287.2	287.4	288.6	289.4	290.1	290.8	291.4	292.0	292.5
Change	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%

**Table 11. Impacts of Food Aid on U.S. Livestock Feed Costs**

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>Beef Feed Costs</b>											
	(Dollars per Cow)										
Ethanol/Biodiesel Scenario	212.95	213.28	212.61	213.59	216.79	220.50	224.65	229.01	232.47	234.54	236.47
Ethanol/Biodiesel/Food Aid	212.95	213.34	212.71	213.67	216.86	220.59	224.75	229.14	232.69	234.71	236.67
Change	0.00	0.06	0.10	0.08	0.07	0.08	0.10	0.13	0.22	0.17	0.21
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%
<b>Pork Feed Costs</b>											
	(Dollars per Cwt. of Live Production)										
Ethanol/Biodiesel Scenario	20.41	21.44	22.12	22.41	22.84	23.46	24.05	24.61	25.20	25.86	26.42
Ethanol/Biodiesel/Food Aid	20.41	21.45	22.19	22.46	22.90	23.51	24.13	24.68	25.29	25.97	26.50
Change	0.00	0.01	0.07	0.05	0.05	0.05	0.08	0.07	0.10	0.11	0.08
% Change	0.0%	0.0%	0.3%	0.2%	0.2%	0.2%	0.3%	0.3%	0.4%	0.4%	0.3%
<b>Broiler Feed Costs</b>											
Ethanol/Biodiesel Scenario	14.51	14.85	14.95	15.01	15.14	15.32	15.48	15.63	15.79	15.96	16.10
Ethanol/Biodiesel/Food Aid	14.51	14.86	14.98	15.04	15.16	15.35	15.52	15.66	15.82	15.98	16.10
Change	0.00	0.01	0.03	0.02	0.02	0.03	0.04	0.03	0.03	0.02	0.00
% Change	0.0%	0.1%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.1%	0.0%
<b>Dairy Feed Costs</b>											
	(Dollars per Cwt.)										
Ethanol/Biodiesel Scenario	7.13	7.28	7.36	7.41	7.49	7.60	7.70	7.80	7.90	8.00	8.09
Ethanol/Biodiesel/Food Aid	7.13	7.28	7.37	7.42	7.50	7.60	7.71	7.81	7.91	8.01	8.09
Change	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
% Change	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%

**Table 12. Impacts of Food Aid on U.S. Livestock Production and Prices**

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>Beef Production</b>											
	(Million Pounds)										
Ethanol/Biodiesel Scenario	26,885	26,212	25,934	25,973	26,536	27,067	27,898	28,732	29,127	29,049	28,987
Ethanol/Biodiesel/Food Aid	26,885	26,212	25,934	25,973	26,536	27,068	27,899	28,734	29,130	29,051	28,991
Change	0	0	-0	0	-0	0	1	2	2	2	4
% Change	0.0%	0.0%	-0.0%	0.0%	-0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Pork Production</b>											
Ethanol/Biodiesel Scenario	18,935	19,579	20,143	19,910	20,007	20,483	20,954	20,931	21,084	21,487	21,894
Ethanol/Biodiesel/Food Aid	18,935	19,579	20,141	19,905	20,002	20,480	20,951	20,926	21,078	21,479	21,885
Change	0	-0	-1	-4	-5	-4	-3	-5	-6	-8	-8
% Change	0.0%	-0.0%	-0.0%	-0.0%	-0.0%	-0.0%	-0.0%	-0.0%	-0.0%	-0.0%	-0.0%
<b>Broiler Production</b>											
Ethanol/Biodiesel Scenario	30,375	31,179	32,082	33,031	34,037	34,948	35,902	36,867	37,894	38,932	40,050
Ethanol/Biodiesel/Food Aid	30,375	31,177	32,075	33,023	34,030	34,941	35,893	36,859	37,888	38,928	40,051
Change	0	-2	-8	-8	-6	-6	-9	-8	-6	-4	0
% Change	0.0%	-0.0%	-0.0%	-0.0%	-0.0%	-0.0%	-0.0%	-0.0%	-0.0%	-0.0%	0.0%
<b>Milk Production</b>											
Ethanol/Biodiesel Scenario	167,953	170,064	170,815	172,477	174,184	176,107	178,087	180,119	182,177	184,279	186,474
Ethanol/Biodiesel/Food Aid	167,953	170,064	170,808	172,470	174,177	176,099	178,077	180,110	182,165	184,263	186,462
Change	0	-1	-7	-7	-7	-7	-10	-10	-12	-16	-13
% Change	0.0%	-0.0%	-0.0%	-0.0%	-0.0%	-0.0%	-0.0%	-0.0%	-0.0%	-0.0%	-0.0%
<b>NE Direct Fed Steer Price</b>											
	(Dollars per Cwt.)										
Ethanol/Biodiesel Scenario	69.65	74.50	76.02	76.67	74.24	72.09	70.00	68.41	67.66	68.35	69.50
Ethanol/Biodiesel/Food Aid	69.65	74.50	76.05	76.71	74.29	72.12	70.03	68.43	67.69	68.38	69.49
Change	0.00	0.00	0.03	0.04	0.05	0.04	0.02	0.02	0.03	0.03	-0.01
% Change	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.0%
<b>Barrow &amp; Gilt Price</b>											
Ethanol/Biodiesel Scenario	44.70	40.60	34.57	41.53	45.77	43.22	39.66	43.13	46.72	44.49	42.11
Ethanol/Biodiesel/Food Aid	44.70	40.60	34.60	41.60	45.86	43.28	39.71	43.20	46.81	44.60	42.20
Change	0.00	0.00	0.03	0.07	0.08	0.06	0.05	0.07	0.09	0.11	0.09
% Change	0.0%	0.0%	0.1%	0.2%	0.2%	0.1%	0.1%	0.2%	0.2%	0.2%	0.2%
<b>12-City Broiler Price</b>											
Ethanol/Biodiesel Scenario	56.20	57.07	57.34	57.36	57.40	57.31	57.46	57.69	57.84	58.24	58.68
Ethanol/Biodiesel/Food Aid	56.20	57.10	57.44	57.46	57.49	57.40	57.57	57.80	57.94	58.32	58.70
Change	0.00	0.03	0.10	0.10	0.09	0.09	0.11	0.11	0.10	0.08	0.02
% Change	0.0%	0.0%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%	0.1%	0.0%
<b>All Milk Price</b>											
Ethanol/Biodiesel Scenario	12.33	12.55	11.78	12.39	12.60	12.72	12.86	13.00	13.12	13.26	13.43
Ethanol/Biodiesel/Food Aid	12.33	12.56	11.78	12.40	12.60	12.72	12.87	13.01	13.13	13.27	13.44
Change	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01
% Change	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%

**Table 13. Impacts of Food Aid on Farm Income**

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
(Billion Dollars, Calendar Year)											
<b>Crop Receipts</b>											
Ethanol/Biodiesel Scenario	96.57	100.32	102.95	105.62	108.89	112.49	116.12	119.76	123.29	127.01	130.63
Ethanol/Biodiesel/Food Aid	96.57	100.58	103.37	106.05	109.33	113.05	116.75	120.35	124.10	128.01	131.82
Change	0.00	0.26	0.43	0.43	0.44	0.56	0.64	0.59	0.81	1.01	1.19
% Change	0.0%	0.3%	0.4%	0.4%	0.4%	0.5%	0.6%	0.5%	0.7%	0.8%	0.9%
<b>Livestock Receipts</b>											
Ethanol/Biodiesel Scenario	99.45	100.83	99.15	102.70	103.91	103.33	103.15	104.52	106.19	107.47	109.09
Ethanol/Biodiesel/Food Aid	99.45	100.84	99.21	102.78	103.99	103.40	103.22	104.60	106.27	107.56	109.14
Change	0.00	0.01	0.06	0.08	0.08	0.07	0.07	0.07	0.07	0.09	0.05
% Change	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.0%
<b>Direct Gov't Payments</b>											
Ethanol/Biodiesel Scenario	22.13	13.85	9.43	8.74	8.13	7.50	6.94	6.44	6.28	6.25	6.21
Ethanol/Biodiesel/Food Aid	22.13	13.54	9.13	8.45	7.85	7.06	6.57	6.33	6.29	6.27	6.23
Change	0.00	-0.31	-0.30	-0.29	-0.28	-0.44	-0.38	-0.10	0.01	0.02	0.02
% Change	0.0%	-2.2%	-3.2%	-3.3%	-3.4%	-5.8%	-5.4%	-1.6%	0.1%	0.3%	0.3%
<b>Feed Expenses</b>											
Ethanol/Biodiesel Scenario	24.67	25.40	26.20	26.84	27.77	28.90	30.07	31.12	32.12	33.11	34.00
Ethanol/Biodiesel/Food Aid	24.67	25.41	26.25	26.88	27.81	28.94	30.12	31.17	32.19	33.18	34.05
Change	0.00	0.01	0.05	0.04	0.04	0.04	0.06	0.05	0.07	0.07	0.05
% Change	0.0%	0.0%	0.2%	0.1%	0.1%	0.1%	0.2%	0.2%	0.2%	0.2%	0.1%
<b>Production Expenses</b>											
Ethanol/Biodiesel Scenario	199.71	203.86	203.99	205.92	208.59	211.28	214.70	218.21	221.76	225.78	230.15
Ethanol/Biodiesel/Food Aid	199.71	203.89	204.11	206.03	208.70	211.40	214.83	218.38	221.91	226.02	230.30
Change	0.00	0.03	0.11	0.11	0.11	0.12	0.14	0.17	0.16	0.24	0.16
% Change	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
<b>Net Farm Income</b>											
Ethanol/Biodiesel Scenario	45.40	39.59	36.32	40.52	42.47	42.51	41.94	43.03	44.92	46.37	47.64
Ethanol/Biodiesel/Food Aid	45.40	39.53	36.41	40.65	42.61	42.60	42.15	43.44	45.66	47.30	48.75
Change	0.00	-0.06	0.09	0.12	0.15	0.09	0.22	0.41	0.74	0.93	1.11
% Change	0.0%	-0.2%	0.2%	0.3%	0.4%	0.2%	0.5%	0.9%	1.6%	2.0%	2.3%
<b>CCC Net Outlays</b>											
(Billion Dollars, Fiscal Year)											
Ethanol/Biodiesel Scenario	32.27	18.25	11.50	10.98	10.49	9.91	9.20	8.50	7.88	7.73	7.66
Ethanol/Biodiesel/Food Aid	32.27	18.19	11.10	10.65	10.17	9.57	8.67	8.07	7.75	7.69	7.65
Change	0.00	-0.05	-0.40	-0.33	-0.33	-0.33	-0.53	-0.43	-0.13	-0.04	-0.01
% Change	0.0%	-0.3%	-3.5%	-3.0%	-3.1%	-3.4%	-5.8%	-5.0%	-1.6%	-0.5%	-0.1%



**Table 14. Impacts of Food Aid on Government Costs**

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
(Million Dollars, Fiscal Year)											
<b>Corn</b>											
Ethanol/Biodiesel Scenario	10,203	4,100	2,110	1,858	1,807	1,804	1,806	1,811	1,813	1,809	1,817
Ethanol/Biodiesel/Food Aid	10,203	4,096	2,077	1,842	1,807	1,804	1,807	1,811	1,811	1,807	1,819
Change	0	(4)	(33)	(16)	0	(0)	0	(0)	(2)	(1)	1
% Change	0.0%	-0.1%	-1.5%	-0.9%	0.0%	-0.0%	0.0%	-0.0%	-0.1%	-0.1%	0.1%
<b>Sorghum</b>											
Ethanol/Biodiesel Scenario	983	255	228	214	199	199	199	199	199	199	199
Ethanol/Biodiesel/Food Aid	983	255	227	213	199	199	199	199	199	199	199
Change	0	(0)	(1)	(1)	(0)	0	0	(0)	(0)	0	(0)
% Change	0.0%	-0.1%	-0.6%	-0.5%	-0.0%	0.0%	0.0%	-0.0%	-0.0%	0.0%	-0.0%
<b>Barley</b>											
Ethanol/Biodiesel Scenario	399	138	125	126	117	99	85	83	82	83	83
Ethanol/Biodiesel/Food Aid	399	137	124	124	116	98	84	83	82	83	83
Change	0	(1)	(2)	(2)	(2)	(1)	(1)	(0)	(0)	0	(0)
% Change	0.0%	-0.5%	-1.3%	-1.4%	-1.3%	-1.2%	-0.7%	-0.1%	-0.2%	0.0%	-0.1%
<b>Oats</b>											
Ethanol/Biodiesel Scenario	61	45	31	14	7	6	6	6	6	6	6
Ethanol/Biodiesel/Food Aid	61	45	31	14	7	6	6	6	6	6	6
Change	0	(0)	(1)	(1)	(0)	0	0	(0)	(0)	0	(0)
% Change	0.0%	-0.4%	-1.7%	-3.5%	-2.6%	0.0%	0.1%	-0.1%	-0.7%	0.3%	-0.3%
<b>Soybeans</b>											
Ethanol/Biodiesel Scenario	2,864	2,942	3,069	2,919	2,462	1,799	1,174	637	152	17	(17)
Ethanol/Biodiesel/Food Aid	2,864	2,927	2,754	2,624	2,146	1,481	673	227	20	(24)	(26)
Change	0	(14)	(315)	(295)	(317)	(318)	(501)	(410)	(132)	(42)	(9)
% Change	0.0%	-0.5%	-10.3%	-10.1%	-12.9%	-17.7%	-42.7%	-64.3%	-86.9%	-243.1%	56.6%
<b>Wheat</b>											
Ethanol/Biodiesel Scenario	5,365	1,449	1,160	1,082	1,060	1,062	1,061	1,061	1,064	1,062	1,062
Ethanol/Biodiesel/Food Aid	5,365	1,425	1,134	1,075	1,061	1,062	1,061	1,061	1,062	1,061	1,061
Change	0	(24)	(27)	(7)	0	0	0	0	(1)	(0)	(0)
% Change	0.0%	-1.7%	-2.3%	-0.7%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.0%	-0.0%
<b>Cotton</b>											
Ethanol/Biodiesel Scenario	4,015	1,150	805	742	729	682	639	625	634	644	654
Ethanol/Biodiesel/Food Aid	4,015	1,150	805	741	730	683	640	627	636	648	659
Change	0	(0)	(1)	(0)	0	1	1	2	2	4	5
% Change	0.0%	-0.0%	-0.1%	-0.1%	0.1%	0.1%	0.1%	0.3%	0.3%	0.6%	0.7%
<b>Rice</b>											
Ethanol/Biodiesel Scenario	1,894	839	884	841	765	753	709	678	619	601	562
Ethanol/Biodiesel/Food Aid	1,894	830	893	861	783	769	724	692	631	610	568
Change	0	(9)	9	20	18	16	15	14	12	9	7
% Change	0.0%	-1.1%	1.0%	2.4%	2.3%	2.1%	2.1%	2.0%	1.9%	1.5%	1.2%
<b>Total</b>											
Ethanol/Biodiesel Scenario	32,265	18,247	11,496	10,977	10,494	9,906	9,203	8,495	7,884	7,727	7,658
Ethanol/Biodiesel/Food Aid	32,265	18,193	11,096	10,649	10,166	9,574	8,671	8,066	7,755	7,687	7,650
Change	0	(52)	(369)	(302)	(299)	(303)	(486)	(394)	(122)	(30)	3
% Change	0.0%	-0.3%	-3.2%	-2.8%	-2.9%	-3.1%	-5.3%	-4.6%	-1.5%	-0.4%	0.0%