

## **FAPRI U.S. Agricultural Sector Elasticities Volume I: Crops**

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## **FAPRI U.S. AGRICULTURAL SECTOR ELASTICITIES VOLUME I: CROPS**

This report presents estimates of supply, demand, and price transmission elasticities for the U.S. crops sector. The estimates are derived from the U.S. crops model maintained by the Food and Agricultural Policy Research Institute (FAPRI) and are prepared in accordance with procedures stipulated by the Organization for Economic Cooperation and Development (OECD). The first section of this report provides a general overview and describes the procedures used to perform the elasticity calculations. Each succeeding section provides general information about the elasticity estimates for a particular activity. Specific attention is given to those results that may not be intuitively clear and, in particular, to the elasticities that depend on the interaction of two or more equations in the FAPRI modeling system.

### **Overview and Procedures**

Elasticities can be calculated in a variety of ways, and the choice of procedure should depend on the intended use of the estimates. The elasticities reported here are intended to be of use to the OECD as it builds agricultural sector models that can be used for policy analysis. The procedures generally were stipulated by the OECD, although it was necessary to develop additional rules for issues that were not directly addressed by OECD guidelines. General procedures are as follows.

1. Variables to be included in the elasticity calculations are identified. Supply elasticities are calculated for area planted, area harvested, yield, production, and participation rates. Demand elasticities are calculated for food, feed, and processing demand and ending stocks. Crop prices are treated as right-hand-side (RHS) variables, as are all variables exogenous to the FAPRI modeling system. Intermediate endogenous variables generally are not treated as RHS variables; rather, the effect of intermediate equations is incorporated by calculating the effect of exogenous variables in intermediate equations on the final variable in question (e.g., planted area is expressed as a function of the variables that determine participation rates and area planted by participants and nonparticipants).
2. Exogenous variables, prices, and adjustment factors are set at their 1985-89 average levels. These values are repeated for ten years so that both short- and long-run elasticities can be estimated.

3. For all ten years of the simulation, a price or exogenous variable is increased by 1 percent from the 1985-89 average (baseline) level, the model is solved, and the percentage change in the endogenous variables of interest is recorded for each of the ten years. Then, a 10 percent increase in the price or exogenous variable is used to test the linearity of the model. This process is repeated for each of the other price or exogenous variables in the model.
4. A table is created of the percentage impact on each of the endogenous variables of interest resulting from the shocks in prices and exogenous variables. Tables 3 through 71 are the final products of this process.

Several exceptions are made to these general rules. Most of the exceptions arise from a desire to make the reported results more transparent and/or more useful.

1. Two sets of endogenous variables are included as RHS variables. Production is treated as an exogenous variable in the estimates of stock demand elasticities for clarity and to reduce the number of variables in the tables. Animal unit and livestock price indices are endogenous to the FAPRI livestock models, but they are treated as exogenous variables in the estimates of feed demand elasticities. Crop production elasticities are included in this report. Animal unit and livestock price index elasticities are included in CARD Technical Report 92-TR 26. The chain rule could be used to revise the stock and feed demand elasticities also so that they would be a function of only prices and variables exogenous to the FAPRI system.
2. Triple-base program rates were not set at their 1985-89 average levels. The triple-base program was first introduced by the Food, Agriculture, Conservation, and Trade Act of 1990 (FACTA-90) and the Omnibus Budget Reconciliation Act of 1990 (OBRA-90). The average triple-base rate during the 1985-89 period was therefore zero, but for purposes of these calculations the triple-base rate was set at the 15 percent level mandated by OBRA-90 for the 1991-95 period. The triple-base program has important implications for crop supply behavior and, to make these estimates more useful for forward-looking policy analysis, it is important to incorporate effects of the program in the elasticity estimates.
3. Adjustment factors in the synthetic equations determining area idled by the 0-92 and 50-92 programs are set at their 1990 levels and not at the average values for the 1985-89 period. The program was introduced by the 1985 Food Security Act and expanded by subsequent legislation. As with the triple-base program, using 1985-89 average levels would underestimate the likely effect of the programs in the 1990s.
4. All prices in the models are treated as RHS variables, with the exception of the high-fructose corn syrup (HFCS) wholesale price. The HFCS price is treated as an intermediate endogenous variable because HFCS supply and use variables are not directly addressed in the calculations but do affect the sugar market. The FAPRI models use more than one price for rice and sugar. Price transmission elasticities are reported in Tables 69 through 71.

Setting exogenous variables, prices, and adjustment factors to their 1985-89 average levels results in baseline estimates of endogenous variables that generally closely match their actual average levels. The largest discrepancies occur on the supply side, and they generally can be attributed to the rules concerning the triple-base and 0-92 programs. Another source of differences is a small error that was made in setting base acreages for the commodities. Base acreages were properly treated as intermediate endogenous variables (because they are determined in part by conservation reserve program [CRP] acreage), but the equations were not properly adjusted to return to the 1985-89 average levels. The error is small and was discovered after the computations were complete, so no corrective action was taken. Small annual changes in the baseline levels of some endogenous variables can be attributed to lagged dependent variables in certain model equations.

Performing 1 percent and 10 percent shocks is one means of identifying nonlinearities in the model. However, the model may miss nonlinearities that arise from the interaction of equations rather than from the nonlinearity of a particular equation. To illustrate this point, Tables 1 and 2 compare the effects of a permanent 1 percent shock in the corn target price and an equivalent shock in the corn farm price on key corn supply-side variables, assuming different acreage reduction program (ARP) and paid land diversion (PLD) rates. Results of these shocks, assuming 1985-89 average ARP (15.5 percent) and PLD (5.5 percent) rates, are compared with results of the same shocks when the actual announced 1991/92 ARP (7.5 percent) and PLD (0.0 percent) rates are used. When the actual rates are used in the calculations, the shocks result in smaller proportional changes in the participation rate, planted area, and production. Even larger changes in corn supply elasticities would result if the triple-base or 0-92 programs were handled differently. Demand-side results are generally more robust, but supply elasticity estimates are very sensitive to the rules used in the exercise.

### Participation Rates

Participation rate equations in the FAPRI crops model are generally determined by the difference between expected participant and nonparticipant net returns. Expected nonparticipant net returns are simply expected market returns minus variable production costs. Expected participant net returns are calculated as the sum of expected deficiency payments, expected diversion payments, and expected market returns, less variable production costs. Market price expectations in the current version of the model are naive, and variable costs are treated as exogenous to the crops sector. The producer is assumed to have full knowledge of program provisions when making planting decisions.

The effects of exogenous variables shocks on the participation rates of program crops are shown in Tables 3 through 8.

For all crops, program rates and prices have the expected directional influence on participation rates. Increases in target prices, PLD payment rates, and program yields increase participation rates, and increases in market prices, ARP rates, and triple-base rates reduce program participation. PLD rate increases are found to have a small negative effect on program participation for all commodities. This result is dependent on the level of the PLD payment rate—at a sufficiently high payment rate, a higher PLD land-idling rate would actually increase expected participant returns and thus increase the participation rate. Increases in variable production costs increase program participation because higher costs have a greater negative effect on net returns to nonparticipants (who are assumed to plant all their acreage) than on net returns to participants (who idle part of their acreage and thus face a smaller increase in production costs).

The participation rate for corn is affected by both corn and soybean expected market returns because nonparticipants may choose to plant either crop. The same logic may be applied to other crops in future versions of the model, although the triple-base program makes it less important to consider competing crops in making participation decisions, at least at the margin. The net effect on program participation of a change in corn variable production costs is very small because both participants and nonparticipants are assumed to plant approximately 80 percent of their base acreage to corn (participants idle the other 20 percent and nonparticipants plant it to soybeans).

The 1 percent loan rate shocks do not affect corn and sorghum participation rates, but a 10 percent increase in loan rates increases participation because the 1985-89 average market prices for those crops are more than 1 percent but less than 10 percent higher than their 1985-89 average loan rates. When the loan rate is raised above the market price, the expected deficiency payment is reduced by the program yield multiplied by the difference between the loan rate and the market price. Offsetting this effect, the producer expects to place grain under loan rather than to sell it in the marketplace, thereby increasing revenue by the difference between the loan rate and the market price multiplied by the actual yield. Because program yields are less than actual (and expected) yields for most producers, higher loan rates increase expected participant returns. The model does not assume that the loan rate serves as a floor under market prices (generic certificates eliminated the loan rate as a price floor in 1986/87 and 1987/88), so expected nonparticipant net returns are unaffected by a loan rate change. If the loan rate were assumed to serve as a price floor, nonparticipant returns would be

more affected by a loan rate increase than would participant returns, so participation rates would actually fall.

For no other commodities does a 1 percent or a 10 percent increase in the loan rate affect participation rates. Average market prices for all other crops, with the exception of rice, exceed average loan rates by more than 10 percent; therefore, there are no loan rate effects on participation rates. In the case of rice, the average loan rate is higher than the average market price; however, the current version of the model fails to distinguish the yields that determine deficiency payments (program yields) and marketing loan benefits (actual yields).

#### Area Planted

The results of exogenous shocks on the total area planted to each crop are shown in Tables 9 through 15. In all cases, the own-price effect is positive and the cross-price effects are negative. At least four different effects contribute to the positive own-price effects: (1) a direct effect on nonparticipant acreage, (2) an indirect effect on nonparticipant acreage resulting from reduced program participation, (3) reduced participation in the 0-92 program, and (4) increased acreage shifting from other commodities into the triple-base program. Without the 0-92 and triple-base effects (which are based on synthetic, not estimated, equations), the own-price supply elasticities in the model would be much smaller.

For oats, rice, and soybeans long-run effects exceed short-run effects because lagged dependent variables are included in the model. For other commodities, there is no distinction between short- and long-run effects. This inconsistency will need to be corrected in future versions of the model, but it is probably true that dynamics are less important for commodities strongly restricted by government acreage programs (e.g., corn and wheat) than for those operating without acreage constraints (e.g., soybeans).

The notable negative elasticities of program crop planted area with respect to target prices are the result of several factors. As participation increases with higher target prices, land idled under program requirements also increases. Given the 1985-89 average ARP and PLD parameters, the amount of land idled by participants is likely to exceed the amount of land they would have idled or planted to alternative crops had they not participated (lower ARP and PLD rates might yield different results). Compounding this effect is the increase in land idled under the 0-92 program when target prices increase. Higher target prices increase 0-92 payments, thus making the program more attractive to farmers with high production costs and low (or negative) expected market net returns.

In the past when it was easier for producers to "build base," higher target prices might have encouraged farmers to stay out of the program and increase their acreage to increase future program benefits. Although it is still technically feasible for producers to follow this course, a variety of program restrictions make it difficult for farmers to build base and high deficiency payments increase the short-run opportunity cost of nonparticipation. Farmers are no longer required to plant the program crop on all their permitted acreage to maintain base history (they may idle their acreage through the 0-92 program or plant alternative crops on 15 percent of their base through the triple-base program), so almost all the supply-inducing effects of target prices have been severed. Only the supply-reducing effects of land-idling requirements remain important.

As expected, increases in ARP and PLD rates and in CRP acreage reduce planted acreage. Higher production costs also reduce planted area for all crops. Higher PLD payment rates and higher program yields encourage more participation and thus reduce planted area. Triple-base rate effects are mixed across crops. For program crops, a higher triple-base rate lowers program participation, therefore alleviating idling requirements of producers leaving the program while expanding the opportunity for participants to plant competing crops on flexed acreage. The elasticity of area planted to corn with respect to the triple-base rate is negative, whereas the elasticity of area planted to soybeans is positive. The estimated effects on wheat, rice, sorghum, and barley of a triple-base rate increase are all small but positive. Given a limited acreage base in the Plains states, such a result is only explainable if the reductions in participation and land-idling more than offset any shifting to alternative crops. Although plausible, such a result seems unlikely.

Because oats are often planted as a cover crop on acreage idled under government programs, harvested area of oats, rather than planted area, is determined by a behavioral equation in the FAPRI model. Oat planted area is estimated simply as a function of harvested area and corn area idled. A 1 percent increase in the oat target price has no effect on planted or harvested area because the 1985-89 average market price exceeds the target price. A 10 percent increase in the target price result in positive expected deficiency payments and, therefore, effect on participation rates and acreage.

Shocks in corn program rates have mixed effects on the area planted to soybeans. An increase in the corn ARP and PLD rates increases corn idled area, which has a negative impact on soybean planted area. At the same time, participation in the corn program declines, affecting soybean planted area in the opposite direction. Given the program levels assumed in these calculations, the net effect of a 1 percent increase in the corn ARP rates is a small positive effect on soybean area planted, all else being equal. An identical shock in the corn PLD rate results in a small decrease in soybean

acreage because the effect on the corn participation rate is less, given the payments made to producers for idling their land under the PLD program. Increases in corn target prices have an unambiguous negative effect on soybean acreage as higher program participation reduces the land available for soybean production.

### Area Harvested

In the FAPRI crops model, area harvested of crops other than oats and sugar is determined by the product of planted area and the proportion of planted area that is harvested. The proportion harvested is treated as a technical coefficient for rice but is estimated for other crops. Increases in lagged market prices increase the proportion harvested for wheat, sorghum, and soybeans. Weather variables are included in all the estimated equations (temperatures and rainfall variables were not shocked for these calculations because it would be difficult to interpret the results). Hay production has a positive effect on the proportion of corn and sorghum acreage harvested for grain because increased hay production reduces the demand for silage. The results of exogenous shocks to area harvested are shown in Tables 17 through 24.

Sugarcane and sugar beet area harvested are estimated directly—planted area is not reported for these crops. Both equations include lagged dependent variables, so long-run effects exceed short-run effects. For oats, harvested area is also estimated directly, with arguments similar to those that appear in the planted area equations for the other grains.

### Yields

The outcomes of exogenous shocks on yield equations are shown in Tables 25 through 32. The tables do not reflect trend terms in each of the yield equations, which serve as proxies for technological progress. Linear trends are used in the yield equations of all crops other than wheat and soybeans, in which logarithmic trends are used to reflect a decline in the rate of increase in yields. As in area harvested, weather variables are included in the yield equations but are not reflected in the tables, which focus on economic variables. The oat yield equation is simply a function of weather terms and a trend variable; therefore, no table for oat yield is provided.

For corn, sorghum, and wheat, yields are estimated as a function of a ratio of output prices to input prices. The output price is a weighted average of target and lagged market prices, with a heavier weight given to market prices. With program yields frozen, a higher target price should have little or no effect on input decisions because higher yields will not affect current or future actual yield

histories (such a proposal was discussed during the 1990 farm bill debate), so it is likely that the target price continues to have at least some effect on input decisions by some farmers. Input prices are a weighted average of fertilizer prices and a producer price index (which serves as a proxy for other production costs).

For barley, soybeans, and rice, all variables affecting acreage decisions of those crops also affect the yield equations. Barley and soybean yields are negatively related to area harvested, and rice yield is negatively related to area planted, implying that as more marginal land is brought into production for each of these crops, average yields decline. Attempts to include output prices and input prices in the equations for these commodities were unsuccessful. Attempts to include acreage in the corn, sorghum, and wheat yield equations were also unsuccessful. Sugarcane and sugar beet yields respond weakly to price incentives. For all commodities, trends and weather variables are the principal determinants of yields.

### **Production**

Tables 33 through 42 present the shock effects on production. In the FAPRI model, production of all crops is calculated as the product of area harvested and yield. Therefore, only those variables appearing in both the yield and area harvested equations have different elasticities with respect to production. Soybean meal and soybean oil production are linked to soybean crush by means of exogenous crushing yields, or technical milling rates. Sugar production is the sum of raw sugar derived from both cane and beets, and is linked to the production of each crop through exogenous sugar recovery rates and adjusted to a calendar year basis.

### **Feed Demand**

The results of exogenous shocks on feed demand variables are presented in Tables 43 through 48. The feed demand equations are each a function of own-price and prices of competing crops for feed. Both livestock numbers and livestock prices appear in the corn and soybean meal equations, and livestock numbers also appear in the wheat and sorghum feed equations.

Corn feed use depends on the prices of all the feed grains, wheat, and soybean meal. In the model, this is accomplished by estimating corn feed use as a function of the corn price, the meal price, and the feed use of other grains. For each of the other grains, feed use is a function of prices. The direct effect on corn feed use of the number of cattle on feed is negative because increased cattle numbers increase wheat and sorghum feed use. However, cattle on feed is also a component of the

grain-consuming animal unit (GCAU) index, so the net effect of an increase in cattle numbers on corn feed use is positive. An increase in livestock prices (as measured by the GCAU price index) has only a small positive effect on corn feed use.

Soybean meal feed demand is measured by the difference between meal production and the quantities exported and stored by millers. Feed demand therefore includes changes in stocks held by livestock producers and feed distributors. Meal feed demand is estimated on a per animal unit basis, but the elasticity with respect to high-protein-consuming animal units (HPAU) is greater than one because per HPAU soybean production in the next period is included as an argument in the equation. An increase in expected soybean production reduces the incentive for livestock producers to buy and store soybean meal, because a production increase is likely to reduce soybean and soybean meal prices.

#### **Food and Other Demand**

Food, seed, and other industrial uses of crops appear in Tables 49 through 58. Food use of all crops depends upon both own and competing crop prices and consumer expenditures, with the exception of sugar, which does not include an expenditure term. The oats equation includes an expected planted area term, because seed demand is included. Most food demand equations are estimated on a per capita basis, so the elasticity with respect to population is one. An exception is sugar, where total sweetener (sugar plus HFCS) demand is estimated on a per capita basis. Sugar demand is treated as the residual, so a 1 percent increase in population (and sweetener demand) increases sugar demand by more than 1 percent.

In the corn food equation, a higher refined sugar price increases the demand for HFCS and therefore increases corn food demand. Likewise, a higher corn price causes the HFCS price to rise and deceases HFCS demand, raising the demand for sugar.

Soybean crush is a function of the crushing margin (the value of meal and oil in a bushel of soybeans minus the price of soybeans) and a lagged dependent variable to reflect the time necessary to bring new processing capacity on line. Soybean crush increases as product prices increase and decreases when soybean prices increase. If soybean, soybean meal, and soybean oil prices were all increased by 1 percent, soybean crush would increase slightly because the absolute crushing margin would increase.

### Ending Stocks

Tables 59 through 68 present the results of exogenous shocks on total stock equations. Total ending stocks are the sum of free stocks and total government stocks. CCC and farmer-owned reserve stocks are exogenous for all relevant crops, and nine-month loan stocks are endogenous only for wheat and corn. Government stocks are modeled as an imperfect substitute for private stocks for all commodities, so a one-unit increase in government stocks increases total stocks, but by less than one unit. In addition, the stocks equations are modeled as functions of prices and current production. Expected production affects the wheat, corn, soybean, and rice equations. Sugar stocks are simply determined by an exogenous stocks-to-use ratio.

In the FAPRI model, nine-month loan stocks of wheat and corn are determined by using synthetic equations that incorporate production eligible for the nine-month loan program and the ratio of the loan rate to the market price. Thus, for each of these crops, all factors affecting eligible production affect total stocks through the level of nine-month loan stocks. The loan rate shocks result in a positive impact on nine-month loans because the program becomes more attractive to producers as the loan rate is increased relative to the market price.

For corn, wheat soybeans, and rice, production in period  $t+1$  has a negative effect on stocks in period  $t$  because an increase in expected production is expected to reduce price expectations and the willingness of individuals to hold stocks. On the other hand, an increase in production in period  $t$  is expected to increase stocks in period  $t$  as producers spread out marketings. The long-run effect of a production increase is an increase in stocks for all crops other than wheat. Stock demand in  $t$  can be estimated as a function of production in  $t+1$  in the FAPRI model because production in  $t+1$  depends only on exogenous variables and prices in period  $t$ . Thus, although price expectations are naive in the model, the current price depends on expected production levels through the stock demand equations.

Expected soybean production affects both soybean stocks and soybean oil stocks. Oil stocks also respond to changes in current soybean oil production and export demand. Soybean meal stocks held by millers are relatively insignificant and are therefore estimated only as function of the meal price and beginning stocks.

### Price Transmissions

In the rice and sugar components of the FAPRI crops model, more than one price is utilized. The price transmission elasticities for these crops are presented in Tables 69 through 71. The model solves for the Thai rice export price, and both the U.S. rice farm price and the U.S. rice wholesale

price are solved recursively from this price. In the case of sugar, the New York spot raw sugar price is exogenous and is determined by a fixed margin from the loan rate. The refined sugar retail price, in turn, is determined by a fixed margin from the raw sugar price. A smaller price transmission elasticity in the first year simply reflects a difference in marketing years between the raw and refined sugar prices.

### Conclusions

The elasticities calculated in this paper represent the FAPRI U.S. crops models. Because the effects of some variables are contained in more than one equation, the cumulative effect is presented. In other words, these elasticities generally are not structural. They are useful in describing the endogenous variable response to small or moderate changes in the right-hand-side variables.

Note that the elasticities calculated in this paper are based on 1985-89 averages of the exogenous variables. The elasticities calculated for that period will not necessarily match those calculated for other periods, except for elasticities taken from equations with double-log specifications. For this reason, using these elasticities in modeling periods other than those relatively similar to 1985-89 could produce substantially different results from those obtained from the structural models.

If the levels of the exogenous or endogenous variables are substantially different from those for 1985-89, the elasticities could again produce different results than would the structural models. The implication for this hazard is that these elasticities might not be suitable for assessing the impacts of large changes in any exogenous variable. This constraint is more severe here than for the structural models in which implied elasticities change with changes in levels of variables.

Although comparison of the 1 percent and 10 percent shocks show similar and often identical results for many equations, there are instances where nonlinear responses would be misrepresented by selecting one set of elasticities or the other. Fortunately, the system is mostly linear.

The set of elasticities presented here gives an accurate representation of the response of the FAPRI crops model. These elasticities can be used to approximate the structural models in impact analyses involving any of the right-hand-side variables. Over small and moderate ranges of changes in these variables, the elasticities versions will approximate the response of the structural models, resulting in a variety of analysis possibilities to which they are suited.

**Table 1.** Impacts on corn supply-side variables of 1 percent shocks on the corn target price

Year	Participation Rate		Planted Area		Production	
	Average ARP <sup>a</sup> and PLD <sup>b</sup>	Actual ARP and PLD Rates	Average ARP and PLD	Actual ARP and PLD	Average ARP and PLD	Actual ARP and PLD
	Rates	Rates	Rates	Rates	Rates	Rates
(percent)						
1	0.669	0.604	-0.205	-0.169	-0.187	-0.151
2	0.669	0.604	-0.205	-0.169	-0.187	-0.151
3	0.669	0.604	-0.205	-0.169	-0.187	-0.151

<sup>a</sup>ARP is acreage reduction program.<sup>b</sup>PLD is paid land diversion.**Table 2.** Impacts on corn supply-side variables of 1 percent shocks in the corn farm price

Year	Participation Rate		Planted Area		Production	
	Average ARP <sup>a</sup> and PLD <sup>b</sup>	Actual ARP and PLD	Average ARP and PLD	Actual ARP and PLD	Average ARP and PLD	Actual ARP and PLD
	Rates	Rates	Rates	Rates	Rates	Rates
(percent)						
1	0.000	0.000	0.000	0.000	0.000	0.000
2	-0.485	-0.387	0.350	0.323	0.402	0.375
3	-0.485	-0.387	0.350	0.323	0.402	0.375

<sup>a</sup>ARP is acreage reduction program.<sup>b</sup>PLD is paid land diversion.

Table 3. Corn participation rate: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable	Corn Price	Soybean Price	Corn ARP <sup>b</sup> Rate	Corn PLD <sup>c</sup> Rate	Corn Payment Rate	Corn Target Price	Corn Loan Rate	Corn Program Yield	Triple- Base Rate <sup>d</sup>	Corn Variable Costs	Soybean Variable Costs	Producer Price Index
(percent)													
<b>1 Percent Increase</b>													
1	81.4	0.000	0.000	-0.102	-0.010	0.008	0.669	0.000	0.203	-0.042	0.000	0.039	0.000
2	81.4	-0.485	-0.109	-0.102	-0.010	0.008	0.669	0.000	0.203	-0.042	0.000	0.039	-0.121
3	81.4	-0.485	-0.109	-0.102	-0.010	0.008	0.669	0.000	0.203	-0.042	0.000	0.039	-0.121
4	81.4	-0.485	-0.109	-0.102	-0.010	0.008	0.669	0.000	0.203	-0.042	0.000	0.039	-0.121
5	81.4	-0.485	-0.109	-0.102	-0.010	0.008	0.669	0.000	0.203	-0.042	0.000	0.039	-0.121
6	81.4	-0.485	-0.109	-0.102	-0.010	0.008	0.669	0.000	0.203	-0.042	0.000	0.039	-0.121
7	81.4	-0.485	-0.109	-0.102	-0.010	0.008	0.669	0.000	0.203	-0.042	0.000	0.039	-0.121
8	81.4	-0.485	-0.109	-0.102	-0.010	0.008	0.669	0.000	0.203	-0.042	0.000	0.039	-0.121
9	81.4	-0.485	-0.109	-0.102	-0.010	0.008	0.669	0.000	0.203	-0.042	0.000	0.039	-0.121
10	81.4	-0.485	-0.109	-0.102	-0.010	0.008	0.669	0.000	0.203	-0.042	0.000	0.039	-0.121
Average*	82.5	2.11	5.77	0.155	0.055	0.90	2.97	1.94	104.6	0.000	151.18	65.89	315.3
<b>10 Percent Increase</b>													
1	81.4	0.000	0.000	-1.037	-0.097	0.084	6.097	0.052	1.975	-0.426	0.002	0.388	0.000
2	81.4	-5.150	-1.108	-1.037	-0.097	0.084	6.097	0.052	1.975	-0.426	0.002	0.388	-1.123
3	81.4	-5.150	-1.108	-1.037	-0.097	0.084	6.097	0.052	1.975	-0.426	0.002	0.388	-1.123
4	81.4	-5.150	-1.108	-1.037	-0.097	0.084	6.097	0.052	1.975	-0.426	0.002	0.388	-1.123
5	81.4	-5.150	-1.108	-1.037	-0.097	0.084	6.097	0.052	1.975	-0.426	0.002	0.388	-1.123
6	81.4	-5.150	-1.108	-1.037	-0.097	0.084	6.097	0.052	1.975	-0.426	0.002	0.388	-1.123
7	81.4	-5.150	-1.108	-1.037	-0.097	0.084	6.097	0.052	1.975	-0.426	0.002	0.388	-1.123
8	81.4	-5.150	-1.108	-1.037	-0.097	0.084	6.097	0.052	1.975	-0.426	0.002	0.388	-1.123
9	81.4	-5.150	-1.108	-1.037	-0.097	0.084	6.097	0.052	1.975	-0.426	0.002	0.388	-1.123
10	81.4	-5.150	-1.108	-1.037	-0.097	0.084	6.097	0.052	1.975	-0.426	0.002	0.388	-1.123
Average*	82.5	2.11	5.77	0.155	0.055	0.90	2.97	1.94	104.6	0.000	151.18	65.89	315.3

\*RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is the acreage reduction program.

<sup>c</sup>PLD is paid land diversion.

<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.

\*1985-89 average level.

Table 4. Sorghum participation rate: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline										
	LHS <sup>a</sup>	Sorghum Variable	Sorghum Price	ARP <sup>b</sup> Rate	Sorghum PLD <sup>c</sup> Rate	Sorghum PLD Payment Rate	Sorghum Target Price	Sorghum Loan Rate	Sorghum Program Yield	Triple-Base Rate <sup>d</sup>	Sorghum Variable Costs
(percent)											
<b>1 Percent Increase</b>											
1	71.0	0.000	-0.111	-0.011	0.008	0.662	0.000	0.231	-0.050	0.078	0.000
2	71.0	-0.554	-0.111	-0.011	0.008	0.662	0.000	0.231	-0.050	0.078	-0.144
3	71.0	-0.554	-0.111	-0.011	0.008	0.662	0.000	0.231	-0.050	0.078	-0.144
4	71.0	-0.554	-0.111	-0.011	0.008	0.662	0.000	0.231	-0.050	0.078	-0.144
5	71.0	-0.554	-0.111	-0.011	0.008	0.662	0.000	0.231	-0.050	0.078	-0.144
6	71.0	-0.554	-0.111	-0.011	0.008	0.662	0.000	0.231	-0.050	0.078	-0.144
7	71.0	-0.554	-0.111	-0.011	0.008	0.662	0.000	0.231	-0.050	0.078	-0.144
8	71.0	-0.554	-0.111	-0.011	0.008	0.662	0.000	0.231	-0.050	0.078	-0.144
9	71.0	-0.554	-0.111	-0.011	0.008	0.662	0.000	0.231	-0.050	0.078	-0.144
10	71.0	-0.554	-0.111	-0.011	0.008	0.662	0.000	0.231	-0.050	0.078	-0.144
Average*	73.4	1.87	0.155	0.055	0.84	2.82	1.85	59.6	0.000	74.04	315.3
<b>10 Percent Increase</b>											
1	71.0	0.000	-1.110	-0.115	0.079	6.476	1.058	2.293	-0.502	0.775	0.000
2	71.0	-5.634	-1.110	-0.115	0.079	6.476	1.058	2.293	-0.502	0.775	-1.331
3	71.0	-5.634	-1.110	-0.115	0.079	6.476	1.058	2.293	-0.502	0.775	-1.331
4	71.0	-5.634	-1.110	-0.115	0.079	6.476	1.058	2.293	-0.502	0.775	-1.331
5	71.0	-5.634	-1.110	-0.115	0.079	6.476	1.058	2.293	-0.502	0.775	-1.331
6	71.0	-5.634	-1.110	-0.115	0.079	6.476	1.058	2.293	-0.502	0.775	-1.331
7	71.0	-5.634	-1.110	-0.115	0.079	6.476	1.058	2.293	-0.502	0.775	-1.331
8	71.0	-5.634	-1.110	-0.115	0.079	6.476	1.058	2.293	-0.502	0.775	-1.331
9	71.0	-5.634	-1.110	-0.115	0.079	6.476	1.058	2.293	-0.502	0.775	-1.331
10	71.0	-5.634	-1.110	-0.115	0.079	6.476	1.058	2.293	-0.502	0.775	-1.331
Average*	73.4	1.87	0.155	0.055	0.84	2.82	1.85	59.6	0.000	74.04	315.3

\*RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is the acreage reduction program.

<sup>c</sup>PLD is paid land diversion.

<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.

\*1985-89 average level.

Table 5. Barley participation rate: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable	Barley Price	Barley ARP <sup>b</sup> Rate	Barley PLD <sup>c</sup> Rate	Barley PLD Payment Rate	Barley Target Price	Barley Program Yield	Triple- Base Rate <sup>d</sup>	Barley Variable Costs	Producer Price Index
(percent)										
<b>1 Percent Increase</b>										
1	72.2	0.000	-0.093	-0.006	0.004	0.546	0.095	-0.020	0.075	0.000
2	72.2	-0.592	-0.093	-0.006	0.004	0.546	0.095	-0.020	0.075	-0.015
3	72.2	-0.592	-0.093	-0.006	0.004	0.546	0.095	-0.020	0.075	-0.015
4	72.2	-0.592	-0.093	-0.006	0.004	0.546	0.095	-0.020	0.075	-0.015
5	72.2	-0.592	-0.093	-0.006	0.004	0.546	0.095	-0.020	0.075	-0.015
6	72.2	-0.592	-0.093	-0.006	0.004	0.546	0.095	-0.020	0.075	-0.015
7	72.2	-0.592	-0.093	-0.006	0.004	0.546	0.095	-0.020	0.075	-0.015
8	72.2	-0.592	-0.093	-0.006	0.004	0.546	0.095	-0.020	0.075	-0.015
9	72.2	-0.592	-0.093	-0.006	0.004	0.546	0.095	-0.020	0.075	-0.015
10	72.2	-0.592	-0.093	-0.006	0.004	0.546	0.095	-0.020	0.075	-0.015
<b>Average*</b>	<b>71.9</b>	<b>2.12</b>	<b>0.155</b>	<b>0.055</b>	<b>0.71</b>	<b>2.55</b>	<b>48.0</b>	<b>0.000</b>	<b>66.16</b>	<b>315.0</b>
<b>10 Percent Increase</b>										
1	72.2	0.000	-0.936	-0.062	0.037	5.272	0.943	-0.202	0.746	0.000
2	72.2	-6.114	-0.936	-0.062	0.037	5.272	0.943	-0.202	0.746	-0.137
3	72.2	-6.114	-0.936	-0.062	0.037	5.272	0.943	-0.202	0.746	-0.137
4	72.2	-6.114	-0.936	-0.062	0.037	5.272	0.943	-0.202	0.746	-0.137
5	72.2	-6.114	-0.936	-0.062	0.037	5.272	0.943	-0.202	0.746	-0.137
6	72.2	-6.114	-0.936	-0.062	0.037	5.272	0.943	-0.202	0.746	-0.137
7	72.2	-6.114	-0.936	-0.062	0.037	5.272	0.943	-0.202	0.746	-0.137
8	72.2	-6.114	-0.936	-0.062	0.037	5.272	0.943	-0.202	0.746	-0.137
9	72.2	-6.114	-0.936	-0.062	0.037	5.272	0.943	-0.202	0.746	-0.137
10	72.2	-6.114	-0.936	-0.062	0.037	5.272	0.943	-0.202	0.746	-0.137
<b>Average*</b>	<b>71.9</b>	<b>2.12</b>	<b>0.155</b>	<b>0.055</b>	<b>0.71</b>	<b>2.55</b>	<b>48.0</b>	<b>0.000</b>	<b>66.16</b>	<b>315.0</b>

\*RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is the acreage reduction program.

<sup>c</sup>PLD is paid land diversion.

<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.

\*1985-89 average level.

Table 6. Oat participation rate: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable	Oat Price	Oat ARP <sup>b</sup> Rate	Oat PLD <sup>c</sup> Rate	Oat PLD Payment Rate	Oat Target Price	Oat Program Yield	Oat Variable Costs	Producer Price Index
(percent)									
<b>1 Percent Increase</b>									
1	11.8	0.000	-0.495	-0.048	0.012	0.000	0.012	0.574	0.000
2	11.8	-0.926	-0.495	-0.048	0.012	0.000	0.012	0.574	0.541
3	11.8	-0.926	-0.495	-0.048	0.012	0.000	0.012	0.574	0.541
4	11.8	-0.926	-0.495	-0.048	0.012	0.000	0.012	0.574	0.541
5	11.8	-0.926	-0.495	-0.048	0.012	0.000	0.012	0.574	0.541
6	11.8	-0.926	-0.495	-0.048	0.012	0.000	0.012	0.574	0.541
7	11.8	-0.926	-0.495	-0.048	0.012	0.000	0.012	0.574	0.541
8	11.8	-0.926	-0.495	-0.048	0.012	0.000	0.012	0.574	0.541
9	11.8	-0.926	-0.495	-0.048	0.012	0.000	0.012	0.574	0.541
10	11.8	-0.926	-0.495	-0.048	0.012	0.000	0.012	0.574	0.541
Average <sup>d</sup>	10.0	1.62	0.115	0.035	0.23	1.57	48.2	57.52	315.0
<b>10 Percent Increase</b>									
1	11.8	0.000	-4.846	-0.482	0.121	32.905	0.121	5.888	0.000
2	11.8	-8.897	-4.846	-0.482	0.121	32.905	0.121	5.888	5.070
3	11.8	-8.897	-4.846	-0.482	0.121	32.905	0.121	5.888	5.070
4	11.8	-8.897	-4.846	-0.482	0.121	32.905	0.121	5.888	5.070
5	11.8	-8.897	-4.846	-0.482	0.121	32.905	0.121	5.888	5.070
6	11.8	-8.897	-4.846	-0.482	0.121	32.905	0.121	5.888	5.070
7	11.8	-8.897	-4.846	-0.482	0.121	32.905	0.121	5.888	5.070
8	11.8	-8.897	-4.846	-0.482	0.121	32.905	0.121	5.888	5.070
9	11.8	-8.897	-4.846	-0.482	0.121	32.905	0.121	5.888	5.070
10	11.8	-8.897	-4.846	-0.482	0.121	32.905	0.121	5.888	5.070
Average <sup>d</sup>	10.0	1.62	0.115	0.035	0.23	1.57	48.2	57.52	315.0

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is the acreage reduction program.

<sup>c</sup>PLD is paid land diversion

<sup>d</sup>1985-89 average level.

Table 7. Wheat participation rate: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable	Wheat Price	Wheat ARP <sup>b</sup> Rate	Wheat PLD <sup>c</sup> Rate	Wheat Payment Rate	Wheat Target Price	Wheat Program Yield	Triple- Base Rate <sup>d</sup>	Wheat Variable Costs	Producer Price Index
(percent)										
<b>1 Percent Increase</b>										
1	67.8	0.000	-0.475	-0.034	0.013	1.668	0.478	-0.114	0.248	0.000
2	67.8	-1.731	-0.475	-0.034	0.013	1.668	0.478	-0.114	0.248	-0.136
3	67.8	-1.731	-0.475	-0.034	0.013	1.668	0.478	-0.114	0.248	-0.136
4	67.8	-1.731	-0.475	-0.034	0.013	1.668	0.478	-0.114	0.248	-0.136
5	67.8	-1.731	-0.475	-0.034	0.013	1.668	0.478	-0.114	0.248	-0.136
6	67.8	-1.731	-0.475	-0.034	0.013	1.668	0.478	-0.114	0.248	-0.136
7	67.8	-1.731	-0.475	-0.034	0.013	1.668	0.478	-0.114	0.248	-0.136
8	67.8	-1.731	-0.475	-0.034	0.013	1.668	0.478	-0.114	0.248	-0.136
9	67.8	-1.731	-0.475	-0.034	0.013	1.668	0.478	-0.114	0.248	-0.136
10	67.8	-1.731	-0.475	-0.034	0.013	1.668	0.478	-0.114	0.248	-0.136
Average <sup>e</sup>	81.8	3.10	0.215	0.035	0.94	4.29	35.0	0.000	57.70	315.0
<b>10 Percent Increase</b>										
1	67.8	0.000	-4.837	-0.338	0.126	15.360	4.686	-1.146	2.453	0.000
2	67.8	-18.154	-4.837	-0.338	0.126	15.360	4.686	-1.146	2.453	-1.259
3	67.8	-18.154	-4.837	-0.338	0.126	15.360	4.686	-1.146	2.453	-1.259
4	67.8	-18.154	-4.837	-0.338	0.126	15.360	4.686	-1.146	2.453	-1.259
5	67.8	-18.154	-4.837	-0.338	0.126	15.360	4.686	-1.146	2.453	-1.259
6	67.8	-18.154	-4.837	-0.338	0.126	15.360	4.686	-1.146	2.453	-1.259
7	67.8	-18.154	-4.837	-0.338	0.126	15.360	4.686	-1.146	2.453	-1.259
8	67.8	-18.154	-4.837	-0.338	0.126	15.360	4.686	-1.146	2.453	-1.259
9	67.8	-18.154	-4.837	-0.338	0.126	15.360	4.686	-1.146	2.453	-1.259
10	67.8	-18.154	-4.837	-0.338	0.126	15.360	4.686	-1.146	2.453	-1.259
Average <sup>e</sup>	81.8	3.10	0.215	0.035	0.94	4.29	35.0	0.000	57.70	315.0

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is the acreage reduction program.

<sup>c</sup>PLD is paid land diversion.

<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.

<sup>e</sup>1985-89 average level.

Table 8. Rice participation rate: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup>	Farm Rice Price	Rice ARP <sup>b</sup> Rate	Rice PLD <sup>c</sup> Rate	Rice PLD Payment Rate	Rice Target Price	Rice Program Yield	Triple- Base Rate <sup>d</sup>	Rice Variable Costs	Producer Price Index
(percent)										
<b>1 Percent Increase</b>										
1	88.5	0.000	-0.149	-0.008	0.001	0.540	0.238	-0.065	0.158	0.000
2	88.5	-0.492	-0.149	-0.008	0.001	0.540	0.238	-0.065	0.158	-0.208
3	88.5	-0.492	-0.149	-0.008	0.001	0.540	0.238	-0.065	0.158	-0.208
4	88.5	-0.492	-0.149	-0.008	0.001	0.540	0.238	-0.065	0.158	-0.208
5	88.5	-0.492	-0.149	-0.008	0.001	0.540	0.238	-0.065	0.158	-0.208
6	88.5	-0.492	-0.149	-0.008	0.001	0.540	0.238	-0.065	0.158	-0.208
7	88.5	-0.492	-0.149	-0.008	0.001	0.540	0.238	-0.065	0.158	-0.208
8	88.5	-0.492	-0.149	-0.008	0.001	0.540	0.238	-0.065	0.158	-0.208
9	88.5	-0.492	-0.149	-0.008	0.001	0.540	0.238	-0.065	0.158	-0.208
10	88.5	-0.492	-0.149	-0.008	0.001	0.540	0.238	-0.065	0.158	-0.208
Average <sup>e</sup>	93.6	6.48	0.280	0.030	0.70	11.48	4,913	0.000	302.51	315.2
<b>10 Percent Increase</b>										
1	88.5	0.000	-1.536	-0.085	0.011	4.847	2.270	-0.656	1.530	0.000
2	88.5	-5.386	-1.536	-0.085	0.011	4.847	2.270	-0.656	1.530	-1.980
3	88.5	-5.386	-1.536	-0.085	0.011	4.847	2.270	-0.656	1.530	-1.980
4	88.5	-5.386	-1.536	-0.085	0.011	4.847	2.270	-0.656	1.530	-1.980
5	88.5	-5.386	-1.536	-0.085	0.011	4.847	2.270	-0.656	1.530	-1.980
6	88.5	-5.386	-1.536	-0.085	0.011	4.847	2.270	-0.656	1.530	-1.980
7	88.5	-5.386	-1.536	-0.085	0.011	4.847	2.270	-0.656	1.530	-1.980
8	88.5	-5.386	-1.536	-0.085	0.011	4.847	2.270	-0.656	1.530	-1.980
9	88.5	-5.386	-1.536	-0.085	0.011	4.847	2.270	-0.656	1.530	-1.980
10	88.5	-5.386	-1.536	-0.085	0.011	4.847	2.270	-0.656	1.530	-1.980
Average <sup>e</sup>	93.6	6.48	0.280	0.030	0.70	11.48	4,913	0.000	302.51	315.2

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is the acreage reduction program.

<sup>c</sup>PLD is paid land diversion.

<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.

<sup>e</sup>1985-89 average level.

Table 9. Corn area planted: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable	Corn Price	Soybean Price	Corn ARP <sup>b</sup> Rate	Corn PLD <sup>c</sup> Rate	Corn Payment Rate	Corn Target Price	Corn Loan Rate	Corn Program Yield	Triple- Base Rate <sup>d</sup>	Total CRP <sup>e</sup>	Corn Variable Costs	Soybean Variable Costs	Producer Price Index
(million acres)		(percent)												
1 Percent Increase														
1	70.3	0.000	0.000	-0.094	-0.018	-0.001	-0.205	0.000	-0.060	-0.005	-0.016	-0.129	0.019	0.000
2	70.3	0.350	-0.052	-0.094	-0.018	-0.001	-0.205	0.000	-0.060	-0.005	-0.016	-0.129	0.019	0.015
3	70.3	0.350	-0.052	-0.094	-0.018	-0.001	-0.205	0.000	-0.060	-0.005	-0.016	-0.129	0.019	0.015
4	70.3	0.350	-0.052	-0.094	-0.018	-0.001	-0.205	0.000	-0.060	-0.005	-0.016	-0.129	0.019	0.015
5	70.3	0.350	-0.052	-0.094	-0.018	-0.001	-0.205	0.000	-0.060	-0.005	-0.016	-0.129	0.019	0.015
6	70.3	0.350	-0.052	-0.094	-0.018	-0.001	-0.205	0.000	-0.060	-0.005	-0.016	-0.129	0.019	0.015
7	70.3	0.350	-0.052	-0.094	-0.018	-0.001	-0.205	0.000	-0.060	-0.005	-0.016	-0.129	0.019	0.015
8	70.3	0.350	-0.052	-0.094	-0.018	-0.001	-0.205	0.000	-0.060	-0.005	-0.016	-0.129	0.019	0.015
9	70.3	0.350	-0.052	-0.094	-0.018	-0.001	-0.205	0.000	-0.060	-0.005	-0.016	-0.129	0.019	0.015
10	70.3	0.350	-0.052	-0.094	-0.018	-0.001	-0.205	0.000	-0.060	-0.005	-0.016	-0.129	0.019	0.015
Average <sup>f</sup>	73.2	2.11	5.77	0.155	0.055	0.90	2.97	1.94	104.6	0.000	14.4	151.18	65.89	315.3
10 Percent Increase														
1	70.3	0.000	0.000	-0.930	-0.177	-0.010	-1.983	0.088	-0.598	-0.053	-0.161	-1.473	0.189	0.000
2	70.3	3.077	-0.518	-0.930	-0.177	-0.010	-1.983	0.088	-0.598	-0.053	-0.161	-1.473	0.189	0.141
3	70.3	3.077	-0.518	-0.930	-0.177	-0.010	-1.983	0.088	-0.598	-0.053	-0.161	-1.473	0.189	0.141
4	70.3	3.077	-0.518	-0.930	-0.177	-0.010	-1.983	0.088	-0.598	-0.053	-0.161	-1.473	0.189	0.141
5	70.3	3.077	-0.518	-0.930	-0.177	-0.010	-1.983	0.088	-0.598	-0.053	-0.161	-1.473	0.189	0.141
6	70.3	3.077	-0.518	-0.930	-0.177	-0.010	-1.983	0.088	-0.598	-0.053	-0.161	-1.473	0.189	0.141
7	70.3	3.077	-0.518	-0.930	-0.177	-0.010	-1.983	0.088	-0.598	-0.053	-0.161	-1.473	0.189	0.141
8	70.3	3.077	-0.518	-0.930	-0.177	-0.010	-1.983	0.088	-0.598	-0.053	-0.161	-1.473	0.189	0.141
9	70.3	3.077	-0.518	-0.930	-0.177	-0.010	-1.983	0.088	-0.598	-0.053	-0.161	-1.473	0.189	0.141
10	70.3	3.077	-0.518	-0.930	-0.177	-0.010	-1.983	0.088	-0.598	-0.053	-0.161	-1.473	0.189	0.141
Average <sup>f</sup>	73.2	2.11	5.77	0.155	0.055	0.90	2.97	1.94	104.6	0.000	14.4	151.18	65.89	315.3

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is the acreage reduction program.

<sup>c</sup>PLD is paid land diversion.

<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.

<sup>e</sup>CRP is the conservation reserve program.

<sup>f</sup>1985-89 average level.

Table 10. Sorghum area planted: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable	Sorghum Price	Wheat Price	Sorghum ARP <sup>b</sup> Rate	Sorghum PLD <sup>c</sup> Rate	Sorghum Payment Rate	Sorghum Target Price	Sorghum Loan Rate	Sorghum Program Yield	Triple-Base Rate <sup>d</sup>	Total CRP <sup>e</sup>	Sorghum Variable Costs	Wheat Variable Costs	Producer Price Index
(million acres)										(percent)				
<b>1 Percent Increase</b>														
1	11.7	0.000	0.000	-0.074	-0.013	0.000	-0.625	0.000	-0.210	0.047	-0.077	-0.556	0.032	0.000
2	11.7	1.300	-0.065	-0.074	-0.013	0.000	-0.625	0.000	-0.210	0.047	-0.077	-0.556	0.032	-0.072
3	11.7	1.300	-0.065	-0.074	-0.013	0.000	-0.625	0.000	-0.210	0.047	-0.077	-0.556	0.032	-0.072
4	11.7	1.300	-0.065	-0.074	-0.013	0.000	-0.625	0.000	-0.210	0.047	-0.077	-0.556	0.032	-0.072
5	11.7	1.300	-0.065	-0.074	-0.013	0.000	-0.625	0.000	-0.210	0.047	-0.077	-0.556	0.032	-0.072
6	11.7	1.300	-0.065	-0.074	-0.013	0.000	-0.625	0.000	-0.210	0.047	-0.077	-0.556	0.032	-0.072
7	11.7	1.300	-0.065	-0.074	-0.013	0.000	-0.625	0.000	-0.210	0.047	-0.077	-0.556	0.032	-0.072
8	11.7	1.300	-0.065	-0.074	-0.013	0.000	-0.625	0.000	-0.210	0.047	-0.077	-0.556	0.032	-0.072
9	11.7	1.300	-0.065	-0.074	-0.013	0.000	-0.625	0.000	-0.210	0.047	-0.077	-0.556	0.032	-0.072
10	11.7	1.300	-0.065	-0.074	-0.013	0.000	-0.625	0.000	-0.210	0.047	-0.077	-0.556	0.032	-0.072
Average <sup>f</sup>	13.7	1.87	3.10	0.155	0.055	0.84	2.82	1.85	59.6	0.000	14.4	74.04	57.70	315.3 20
<b>10 Percent Increase</b>														
1	11.7	0.000	0.000	-0.730	-0.133	-0.001	-6.248	3.668	-2.101	0.472	-0.769	-6.253	0.318	0.000
2	11.7	11.077	-0.646	-0.730	-0.133	-0.001	-6.248	3.668	-2.101	0.472	-0.769	-6.253	0.318	-0.664
3	11.7	11.077	-0.646	-0.730	-0.133	-0.001	-6.248	3.668	-2.101	0.472	-0.769	-6.253	0.318	-0.664
4	11.7	11.077	-0.646	-0.730	-0.133	-0.001	-6.248	3.668	-2.101	0.472	-0.769	-6.253	0.318	-0.664
5	11.7	11.077	-0.646	-0.730	-0.133	-0.001	-6.248	3.668	-2.101	0.472	-0.769	-6.253	0.318	-0.664
6	11.7	11.077	-0.646	-0.730	-0.133	-0.001	-6.248	3.668	-2.101	0.472	-0.769	-6.253	0.318	-0.664
7	11.7	11.077	-0.646	-0.730	-0.133	-0.001	-6.248	3.668	-2.101	0.472	-0.769	-6.253	0.318	-0.664
8	11.7	11.077	-0.646	-0.730	-0.133	-0.001	-6.248	3.668	-2.101	0.472	-0.769	-6.253	0.318	-0.664
9	11.7	11.077	-0.646	-0.730	-0.133	-0.001	-6.248	3.668	-2.101	0.472	-0.769	-6.253	0.318	-0.664
10	11.7	11.077	-0.646	-0.730	-0.133	-0.001	-6.248	3.668	-2.101	0.472	-0.769	-6.253	0.318	-0.664
Average <sup>f</sup>	13.7	1.87	3.10	0.155	0.055	0.84	2.82	1.85	59.6	0.000	14.4	74.04	57.70	315.3

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is the acreage reduction program.

<sup>c</sup>PLD is paid land diversion.

<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.

<sup>e</sup>CRP is the conservation reserve program.

<sup>f</sup>1985-89 average level.

Table 11. Barley area planted: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS variables

Year	Baseline		Barley PLD		Barley		Corn		Triple-		Barley		Oat	Wheat	Producer
	LHS <sup>a</sup>	Variable	Barley Price	Wheat Price	Oat Price	Barley ARP <sup>b</sup> Rate	Barley PLD <sup>c</sup> Rate	Payment Rate	Target Price	Program Yield	Base Rate <sup>d</sup>	Total CRP <sup>e</sup>	Variable Costs	Variable Costs	Variable Costs
(million acres)								(percent)							
<b>1 Percent Increase</b>															
1	10.2	0.000	0.000	0.000	-0.075	-0.008	-0.000	0.675	-0.112	0.025	-0.073	-0.382	0.129	0.145	0.000
2	10.2	1.215	-0.296	-0.210	-0.075	-0.008	0.000	-0.675	-0.112	0.025	-0.073	-0.382	0.129	0.145	0.051
3	10.2	1.215	-0.296	-0.210	-0.075	-0.008	0.000	-0.675	-0.112	0.025	-0.073	-0.382	0.129	0.145	0.051
4	10.2	1.215	-0.296	-0.210	-0.075	-0.008	0.000	-0.675	-0.112	0.025	-0.073	-0.382	0.129	0.145	0.051
5	10.2	1.215	-0.296	-0.210	-0.075	-0.008	0.000	-0.675	-0.112	0.025	-0.073	-0.382	0.129	0.145	0.051
6	10.2	1.215	-0.296	-0.210	-0.075	-0.008	0.000	-0.675	-0.112	0.025	-0.073	-0.382	0.129	0.145	0.051
7	10.2	1.215	-0.296	-0.210	-0.075	-0.008	0.000	-0.675	-0.112	0.025	-0.073	-0.382	0.129	0.145	0.051
8	10.2	1.215	-0.296	-0.210	-0.075	-0.008	0.000	-0.675	-0.112	0.025	-0.073	-0.382	0.129	0.145	0.051
9	10.2	1.215	-0.296	-0.210	-0.075	-0.008	0.000	-0.675	-0.112	0.025	-0.073	-0.382	0.129	0.145	0.051
10	10.2	1.215	-0.296	-0.210	-0.075	-0.008	0.000	-0.675	-0.112	0.025	-0.073	-0.382	0.129	0.145	0.051
Average <sup>f</sup>	10.2	2.12	3.10	1.62	0.155	0.055	0.71	2.55	48.0	0.000	14.4	66.16	57.52	57.70	315.0
<b>10 Percent Increase</b>															
1	10.2	0.000	0.000	0.000	-0.737	-0.081	-0.001	-6.739	-1.124	0.248	-0.734	-4.019	1.288	1.454	0.000
2	10.2	10.840	-2.956	-2.095	-0.737	-0.081	-0.001	-6.739	-1.124	0.248	-0.734	-4.019	1.288	1.454	0.467
3	10.2	10.840	-2.956	-2.095	-0.737	-0.081	-0.001	-6.739	-1.124	0.248	-0.734	-4.019	1.288	1.454	0.467
4	10.2	10.840	-2.956	-2.095	-0.737	-0.081	-0.001	-6.739	-1.124	0.248	-0.734	-4.019	1.288	1.454	0.467
5	10.2	10.840	-2.956	-2.095	-0.737	-0.081	-0.001	-6.739	-1.124	0.248	-0.734	-4.019	1.288	1.454	0.467
6	10.2	10.840	-2.956	-2.095	-0.737	-0.081	-0.001	-6.739	-1.124	0.248	-0.734	-4.019	1.288	1.454	0.467
7	10.2	10.840	-2.956	-2.095	-0.737	-0.081	-0.001	-6.739	-1.124	0.248	-0.734	-4.019	1.288	1.454	0.467
8	10.2	10.840	-2.956	-2.095	-0.737	-0.081	-0.001	-6.739	-1.124	0.248	-0.734	-4.019	1.288	1.454	0.467
9	10.2	10.840	-2.956	-2.095	-0.737	-0.081	-0.001	-6.739	-1.124	0.248	-0.734	-4.019	1.288	1.454	0.467
10	10.2	10.840	-2.956	-2.095	-0.737	-0.081	-0.001	-6.739	-1.124	0.248	-0.734	-4.019	1.288	1.454	0.467
Average <sup>f</sup>	10.2	2.12	3.10	1.62	0.155	0.055	0.71	2.55	48.0	0.000	14.4	66.16	57.52	57.70	315.0

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>ARP is acreage reduction program.<sup>c</sup>PLD is paid land diversion.<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.<sup>e</sup>CRP is conservation reserve program.<sup>f</sup>1985-89 average level.

Table 12. Oat area planted: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline		Oat	Oat	Oat	PLD	Oat	Oat	Oat	Corn	PLD	Corn	Corn	Triple-	Barley	Corn	Soybean	Oat	Producer	
	LHS <sup>a</sup>	Variable	Oat Price	Corn Price	ARP <sup>b</sup>	PLD <sup>c</sup>	Payment Rate	Target Rate	Loan Program Price	Program Yield	Payment Rate	Target Program Price	Program Yield	Base Rate <sup>d</sup>	Total CRP <sup>e</sup>	Variable Costs	Variable Costs	Variable Costs	Variable Costs	Price Index
(million acres)										(percent)										
1 Percent Increase																				
1	14.7	0.000	0.000	0.000	0.000	-0.001	0.000	0.000	0.000	0.001	0.204	0.060	-0.013	-0.015	0.050	0.105	0.027	-0.145	0.000	
2	14.6	0.237	-0.310	-0.088	-0.075	-0.001	0.000	0.000	0.000	0.001	0.204	0.060	-0.013	-0.017	0.058	0.112	0.030	-0.167	0.000	
3	14.6	0.271	-0.322	-0.101	-0.084	-0.001	0.000	0.000	0.000	0.001	0.204	0.060	-0.013	-0.017	-0.058	0.114	0.031	-0.170	0.002	
4	14.6	0.276	-0.323	-0.102	-0.086	-0.001	0.000	0.000	0.000	0.001	0.204	0.060	-0.013	-0.017	0.058	0.114	0.031	-0.171	0.003	
5	14.6	0.277	-0.324	-0.103	-0.086	-0.001	0.000	0.000	0.000	0.001	0.204	0.060	-0.013	-0.017	0.058	0.114	0.031	-0.171	0.003	
5	14.6	0.277	-0.324	-0.103	-0.086	-0.001	0.000	0.000	0.000	0.001	0.204	0.060	-0.013	-0.017	0.058	0.114	0.031	-0.171	0.003	
6	14.6	0.277	-0.324	-0.103	-0.086	-0.001	0.000	0.000	0.000	0.001	0.204	0.060	-0.013	-0.017	0.058	0.114	0.031	-0.171	0.003	
7	14.6	0.277	-0.324	-0.103	-0.086	-0.001	0.000	0.000	0.000	0.001	0.204	0.060	-0.013	-0.017	0.058	0.114	0.031	-0.171	0.003	
8	14.6	0.277	-0.324	-0.103	-0.086	-0.001	0.000	0.000	0.000	0.001	0.204	0.060	-0.013	-0.017	0.058	0.114	0.031	-0.171	0.003	
9	14.6	0.277	-0.324	-0.103	-0.086	-0.001	0.000	0.000	0.000	0.001	0.204	0.060	-0.013	-0.017	0.058	0.114	0.031	-0.171	0.003	
10	14.6	0.277	-0.324	-0.103	-0.086	-0.001	0.000	0.000	0.000	0.001	0.204	0.060	-0.013	-0.017	0.058	0.114	0.031	-0.171	0.003	
Average <sup>f</sup>		14.4	1.62	2.11	2.12	5.77	0.115	0.035	0.23	1.57	0.90	2.97	104.6	0.000	14.4	66.16	151.18	65.89	57.52	315.0
22																				
10 Percent Increase																				
1	14.7	0.000	0.000	0.000	0.000	-0.008	-0.001	0.000	-0.093	0.011	1.961	0.594	-0.131	-0.150	0.497	1.151	0.269	-1.455	0.000	
2	14.6	2.364	-2.824	-0.877	-0.756	-0.009	-0.002	0.000	-0.107	0.011	1.964	0.595	-0.131	-0.168	0.570	1.224	0.302	-1.670	-0.001	
3	14.6	2.710	-2.939	-1.005	-0.845	-0.010	-0.002	0.000	-0.109	0.011	1.964	0.595	-0.131	-0.171	0.581	1.234	0.306	-1.701	0.020	
4	14.6	2.761	-2.956	-1.024	-0.858	-0.010	-0.002	0.000	-0.109	0.011	1.964	0.595	-0.131	-0.171	0.582	1.236	0.307	-1.706	0.023	
5	14.6	2.768	-2.959	-1.027	-0.860	-0.010	-0.002	0.000	-0.109	0.011	1.964	0.595	-0.131	-0.171	0.583	1.236	0.307	-1.707	0.023	
6	14.6	2.770	-2.959	-1.027	-0.861	-0.010	-0.002	0.000	-0.109	0.011	1.964	0.595	-0.131	-0.171	0.583	1.236	0.307	-1.707	0.023	
7	14.6	2.770	-2.959	-1.027	-0.861	-0.010	-0.002	0.000	-0.109	0.011	1.964	0.595	-0.131	-0.171	0.583	1.236	0.307	-1.707	0.023	
8	14.6	2.770	-2.959	-1.027	-0.861	-0.010	-0.002	0.000	-0.109	0.011	1.964	0.595	-0.131	-0.171	0.583	1.236	0.307	-1.707	0.023	
9	14.6	2.770	-2.959	-1.027	-0.861	-0.010	-0.002	0.000	-0.109	0.011	1.964	0.595	-0.131	-0.171	0.583	1.236	0.307	-1.707	0.023	
10	14.6	2.770	-2.959	-1.027	-0.861	-0.010	-0.002	0.000	-0.109	0.011	1.964	0.595	-0.131	-0.171	0.583	1.236	0.307	-1.707	0.023	
Average <sup>f</sup>		14.4	1.62	2.11	2.12	5.77	0.115	0.035	0.23	1.57	0.90	2.97	104.6	0.000	14.4	66.16	151.18	65.89	57.52	315.0

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is acreage reduction program.

<sup>c</sup>PLD is paid land diversion.

<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.

<sup>e</sup>CRP is conservation reserve program.

<sup>f</sup>1985-89 average level.

Table 13. Wheat area planted: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline				Wheat PLD		Wheat	Wheat	Triple-	Barley	Wheat	Sorghum	Producer		
	LHS <sup>a</sup>	Variable	Wheat Price	Barley Price	Sorghum Price	Wheat ARP <sup>b</sup> Rate	Wheat PLD <sup>c</sup> Rate	Payment Rate	Target Price	Program Yield	Base Rate <sup>d</sup>	Total CRP <sup>e</sup>	Variable Costs	Variable Costs	Variable Costs
	(million acres)										(percent)				
	1 Percent Increase														
1	74.0	0.000	0.000	0.000	-0.081	-0.010	-0.002	-0.315	-0.089	0.021	-0.046	0.033	-0.129	0.031	0.000
2	74.0	0.489	-0.057	-0.050	-0.081	-0.010	-0.002	-0.315	-0.089	0.021	-0.046	0.033	-0.129	0.031	-0.009
3	74.0	0.489	-0.057	-0.050	-0.081	-0.010	-0.002	-0.315	-0.089	0.021	-0.046	0.033	-0.129	0.031	-0.009
4	74.0	0.489	-0.057	-0.050	-0.081	-0.010	-0.002	-0.315	-0.089	0.021	-0.046	0.033	-0.129	0.031	-0.009
5	74.0	0.489	-0.057	-0.050	-0.081	-0.010	-0.002	-0.315	-0.089	0.021	-0.046	0.033	-0.129	0.031	-0.009
6	74.0	0.489	-0.057	-0.050	-0.081	-0.010	-0.002	-0.315	-0.089	0.021	-0.046	0.033	-0.129	0.031	-0.009
7	74.0	0.489	-0.057	-0.050	-0.081	-0.010	-0.002	-0.315	-0.089	0.021	-0.046	0.033	-0.129	0.031	-0.009
8	74.0	0.489	-0.057	-0.050	-0.081	-0.010	-0.002	-0.315	-0.089	0.021	-0.046	0.033	-0.129	0.031	-0.009
9	74.0	0.489	-0.057	-0.050	-0.081	-0.010	-0.002	-0.315	-0.089	0.021	-0.046	0.033	-0.129	0.031	-0.009
10	74.0	0.489	-0.057	-0.050	-0.081	-0.010	-0.002	-0.315	-0.089	0.021	-0.046	0.033	-0.129	0.031	-0.009
Average <sup>f</sup>	71.1	3.10	2.12	1.87	0.215	0.035	0.94	4.29	35.0	0.000	14.4	66.16	57.70	74.04	315.0
	10 Percent Increase														
1	74.0	0.000	0.000	0.000	-0.726	-0.095	-0.016	-2.984	-0.882	0.215	-0.460	0.325	-1.314	0.313	0.000
2	74.0	4.804	-0.573	-0.499	-0.726	-0.095	-0.016	-2.984	-0.882	0.215	-0.460	0.325	-1.314	0.313	-0.083
3	74.0	4.804	-0.573	-0.499	-0.726	-0.095	-0.016	-2.984	-0.882	0.215	-0.460	0.325	-1.314	0.313	-0.083
4	74.0	4.804	-0.573	-0.499	-0.726	-0.095	-0.016	-2.984	-0.882	0.215	-0.460	0.325	-1.314	0.313	-0.083
5	74.0	4.804	-0.573	-0.499	-0.726	-0.095	-0.016	-2.984	-0.882	0.215	-0.460	0.325	-1.314	0.313	-0.083
6	74.0	4.804	-0.573	-0.499	-0.726	-0.095	-0.016	-2.984	-0.882	0.215	-0.460	0.325	-1.314	0.313	-0.083
7	74.0	4.804	-0.573	-0.499	-0.726	-0.095	-0.016	-2.984	-0.882	0.215	-0.460	0.325	-1.314	0.313	-0.083
8	74.0	4.804	-0.573	-0.499	-0.726	-0.095	-0.016	-2.984	-0.882	0.215	-0.460	0.325	-1.314	0.313	-0.083
9	74.0	4.804	-0.573	-0.499	-0.726	-0.095	-0.016	-2.984	-0.882	0.215	-0.460	0.325	-1.314	0.313	-0.083
10	74.0	4.804	-0.573	-0.499	-0.726	-0.095	-0.016	-2.984	-0.882	0.215	-0.460	0.325	-1.314	0.313	-0.083
Average <sup>f</sup>	71.1	3.10	2.12	1.87	0.215	0.035	0.94	4.29	35.0	0.000	14.4	66.16	57.70	74.04	315.0

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>ARP is acreage reduction program.<sup>c</sup>PLD is paid land diversion.<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.<sup>e</sup>CRP is conservation reserve program.<sup>f</sup>1985-89 average level.

Table 14. Rice area planted: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable	Farm Rice Price	Rice ARP <sup>b</sup> Rate	Rice PLD <sup>c</sup> Rate	Rice PLD Payment Rate	Rice Target Price	Rice Program Yield	Triple- Base Rate <sup>d</sup>	Rice Variable Costs	Producer Price Index
(million acres)										(percent)
<b>1 Percent Increase</b>										
1	2.62	0.000	-0.231	-0.015	0.000	-0.202	-0.089	0.024	-0.237	0.000
2	2.63	0.382	-0.295	-0.019	0.000	-0.258	-0.113	0.031	-0.303	0.029
3	2.63	0.489	-0.313	-0.020	0.000	-0.273	-0.120	0.033	-0.321	0.037
4	2.63	0.519	-0.318	-0.021	0.000	-0.277	-0.122	0.033	-0.326	0.039
5	2.63	0.527	-0.319	-0.021	0.000	-0.279	-0.122	0.033	-0.327	0.040
6	2.63	0.529	-0.320	-0.021	0.000	-0.279	-0.123	0.033	-0.328	0.040
7	2.63	0.530	-0.320	-0.021	0.000	-0.279	-0.123	0.033	-0.328	0.040
8	2.63	0.530	-0.320	-0.021	0.000	-0.279	-0.123	0.033	-0.328	0.040
9	2.63	0.530	-0.320	-0.021	0.000	-0.279	-0.123	0.033	-0.328	0.040
10	2.63	0.530	-0.320	-0.021	0.000	-0.279	-0.123	0.033	-0.328	0.040
Average <sup>e</sup>	2.58	6.48	0.280	0.030	0.70	11.48	4,913	0.000	302.51	315.2
<b>10 Percent Increase</b>										
1	2.62	0.000	-2.256	-0.151	-0.002	-1.828	-0.848	0.244	-2.353	0.000
2	2.63	3.986	-2.880	-0.193	-0.003	-2.334	-1.083	0.312	-3.004	0.291
3	2.63	5.098	-3.054	-0.205	-0.003	-2.475	-1.149	0.331	-3.186	0.372
4	2.63	5.408	-3.103	-0.208	-0.003	-2.515	-1.167	0.336	-3.236	0.394
5	2.63	5.495	-3.116	-0.209	-0.003	-2.526	-1.172	0.338	-3.251	0.401
6	2.63	5.519	-3.120	-0.209	-0.003	-2.529	-1.174	0.388	-3.255	0.402
7	2.63	5.526	-3.121	-0.209	-0.003	-2.530	-1.174	0.338	-3.256	0.403
8	2.63	5.528	-3.121	-0.209	-0.003	-2.530	-1.174	0.338	-3.256	0.403
9	2.63	5.528	-3.121	-0.209	-0.003	-2.530	-1.174	0.338	-3.256	0.403
10	2.63	5.528	-3.121	-0.209	-0.003	-2.530	-1.174	0.338	-3.256	0.403
Average <sup>e</sup>	2.58	6.48	0.280	0.030	0.70	11.48	4,913	0.000	302.51	315.2

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>ARP is the acreage reduction program.<sup>c</sup>PLD is paid land diversion.<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.<sup>e</sup>1985-89 average level.

Table 15. Soybean area planted: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable	Soybean Price	Corn Price	Corn ARP <sup>b</sup> Rate	Corn PLD <sup>c</sup> Rate	Corn Payment Rate	Corn Target Price	Corn Program Yield	Triple- Base Rate <sup>d</sup>	Total CRP <sup>e</sup>	Corn Variable Costs	Soybean Variable Costs	Producer Price Index
(million acres)										(percent)			
1 Percent Increase													
1	62.3	0.000	0.000	0.001	-0.001	-0.001	-0.092	-0.028	0.027	-0.031	0.174	-0.108	0.000
2	63.0	0.297	-0.213	0.001	-0.001	-0.001	-0.138	-0.042	0.040	-0.032	0.262	-0.163	-0.061
3	63.3	0.451	-0.323	0.001	-0.002	-0.002	-0.162	-0.049	0.047	-0.033	0.308	-0.191	-0.092
4	63.5	0.531	-0.380	0.001	-0.002	-0.002	-0.175	-0.053	0.051	-0.033	0.332	-0.206	-0.108
5	63.6	0.573	-0.410	0.001	-0.002	-0.002	-0.182	-0.055	0.053	-0.033	0.344	-0.214	-0.117
6	63.7	0.596	-0.426	0.001	-0.002	-0.002	-0.185	-0.056	0.054	-0.033	0.351	-0.218	-0.121
7	63.7	0.607	-0.434	0.001	-0.002	-0.002	-0.187	-0.057	0.055	-0.034	0.354	-0.220	-0.124
8	63.7	0.613	-0.439	0.001	-0.002	-0.002	-0.188	-0.057	0.055	-0.034	0.356	-0.221	-0.125
9	63.7	0.616	-0.441	0.001	-0.002	-0.002	-0.188	-0.057	0.055	-0.034	0.357	-0.222	-0.126
10	63.7	0.618	-0.442	0.001	-0.002	-0.002	-0.189	-0.057	0.055	-0.034	0.358	-0.222	-0.126
Average <sup>f</sup>	60.3	5.77	2.11	0.155	0.055	0.90	2.97	104.6	0.000	14.4	151.18	65.89	315.3
10 Percent Increase													
1	62.3	0.000	0.000	0.010	-0.009	-0.010	-0.847	-0.270	0.267	-0.312	1.805	-1.079	0.000
2	63.0	2.974	-1.996	0.015	-0.013	-0.015	-1.278	-0.407	0.403	-0.323	2.726	-1.628	-0.555
3	63.3	4.513	-3.030	0.018	-0.015	-0.017	-1.502	-0.478	0.474	-0.329	3.202	-1.913	-0.842
4	63.5	5.317	-3.569	0.019	-0.016	-0.019	-1.618	-0.515	0.510	-0.332	3.450	-2.062	-0.992
5	63.6	5.738	-3.852	0.020	-0.017	-0.019	-1.679	-0.535	0.530	-0.334	3.581	-2.139	-1.070
6	63.7	5.959	-4.000	0.020	-0.017	-0.020	-1.712	-0.545	0.540	-0.335	3.649	-2.180	-1.111
7	63.7	6.075	-4.078	0.020	-0.017	-0.020	-1.728	-0.550	0.545	-0.335	3.685	-2.202	-1.133
8	63.7	6.136	-4.119	0.020	-0.018	-0.020	-1.737	-0.553	0.548	-0.336	3.704	-2.213	-1.144
9	63.7	6.168	-4.141	0.020	-0.018	-0.020	-1.742	-0.554	0.549	-0.336	3.714	-2.219	-1.150
10	63.7	6.185	-4.152	0.021	-0.018	-0.020	-1.744	-0.555	0.550	-0.336	3.719	-2.222	-1.154
Average <sup>f</sup>	60.3	5.77	2.11	0.155	0.055	0.90	2.97	104.6	0.000	14.4	151.18	65.89	315.3

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is the acreage reduction program.

<sup>c</sup>PLD is paid land diversion.

<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.

<sup>e</sup>CRP is the conservation reserve program.

<sup>f</sup>1985-89 average level.

Table 16. Corn area harvested: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS variables

Year	Baseline				Corn PLD	Corn	Corn	Triple-	Corn	Soybean	Producer		
	LHS <sup>a</sup>	Corn Price	Soybean Price	Corn ARP <sup>b</sup>	Corn PLD <sup>c</sup>	Payment Rate	Target Price	Loan Rate	Base Rate <sup>d</sup>	Total CRP <sup>e</sup>	Variable Costs	Variable Costs	Price Index
	(million acres)				(percent)								
<b>1 Percent Increase</b>													
1	62.7	0.000	0.000	-0.094	-0.018	-0.001	-0.205	0.000	-0.060	-0.005	-0.016	-0.129	0.019
2	62.7	0.350	-0.052	-0.094	-0.018	-0.001	-0.205	0.000	-0.060	-0.005	-0.016	-0.129	0.019
3	62.7	0.350	-0.052	-0.094	-0.018	-0.001	-0.205	0.000	-0.060	-0.005	-0.016	-0.129	0.019
4	62.7	0.350	-0.052	-0.094	-0.018	-0.001	-0.205	0.000	-0.060	-0.005	-0.016	-0.129	0.019
5	62.7	0.350	-0.052	-0.094	-0.018	-0.001	-0.205	0.000	-0.060	-0.005	-0.016	-0.129	0.019
6	62.7	0.350	-0.052	-0.094	-0.018	-0.001	-0.205	0.000	-0.060	-0.005	-0.016	-0.129	0.019
7	62.7	0.350	-0.052	-0.094	-0.018	-0.001	-0.205	0.000	-0.060	-0.005	-0.016	-0.129	0.019
8	62.7	0.350	-0.052	-0.094	-0.018	-0.001	-0.205	0.000	-0.060	-0.005	-0.016	-0.129	0.019
9	62.7	0.350	-0.052	-0.094	-0.018	-0.001	-0.205	0.000	-0.060	-0.005	-0.016	-0.129	0.019
10	62.7	0.350	-0.052	-0.094	-0.018	-0.001	-0.205	0.000	-0.060	-0.005	-0.016	-0.129	0.019
Average <sup>f</sup>	65.3	2.11	5.77	0.155	0.055	0.90	2.97	1.94	104.6	0.000	14.4	151.18	65.89
													315.3
													144.6
<b>10 Percent Increase</b>													
1	62.7	0.000	0.000	-0.930	-0.177	-0.010	-1.983	0.088	-0.598	-0.053	-0.161	-1.473	0.189
2	62.7	3.077	-0.518	-0.930	-0.177	-0.010	-1.983	0.088	-0.598	-0.053	-0.161	-1.473	0.189
3	62.7	3.077	-0.518	-0.930	-0.177	-0.010	-1.983	0.088	-0.598	-0.053	-0.161	-1.473	0.189
4	62.7	3.077	-0.518	-0.930	-0.177	-0.010	-1.983	0.088	-0.598	-0.053	-0.161	-1.473	0.189
5	62.7	3.077	-0.518	-0.930	-0.177	-0.010	-1.983	0.088	-0.598	-0.053	-0.161	-1.473	0.189
6	62.7	3.077	-0.518	-0.930	-0.177	-0.010	-1.983	0.088	-0.598	-0.053	-0.161	-1.473	0.189
7	62.7	3.077	-0.518	-0.930	-0.177	-0.010	-1.983	0.088	-0.598	-0.053	-0.161	-1.473	0.189
8	62.7	3.077	-0.518	-0.930	-0.177	-0.010	-1.983	0.088	-0.598	-0.053	-0.161	-1.473	0.189
9	62.7	3.077	-0.518	-0.930	-0.177	-0.010	-1.983	0.088	-0.598	-0.053	-0.161	-1.473	0.189
10	62.7	3.077	-0.518	-0.930	-0.177	-0.010	-1.983	0.088	-0.598	-0.053	-0.161	-1.473	0.189
Average <sup>f</sup>	65.3	2.11	5.77	0.155	0.055	0.90	2.97	1.94	104.6	0.000	14.4	151.18	65.89
													315.3
													144.6

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is acreage reduction program.

<sup>c</sup>PLD is paid land diversion.

<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.

<sup>e</sup>CRP is conservation reserve program.

<sup>f</sup>1985-89 average level.

Table 17. Sorghum area harvested: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline		Sorghum PLD	Sorghum	Sorghum	Sorghum	Triple-	Sorghum	Wheat	Producer	
	LHS <sup>a</sup>	Sorghum Variable	Payment Rate	Target Price	Loan Rate	Program Yield	Base Rate <sup>d</sup>	Total CRP <sup>e</sup>	Variable Costs	Variable Costs	Price Index
	Variable	Price	Price	ARP <sup>b</sup> Rate	PLD <sup>c</sup> Rate						Hay Production
	(million acres)						(percent)				
<b>1 Percent Increase</b>											
1	10.5	0.000	0.000	-0.074	-0.013	-0.000	-0.625	0.000	-0.210	0.047	-0.077
2	10.5	1.316	-0.065	-0.074	-0.013	-0.000	-0.625	0.000	-0.210	0.047	-0.077
3	10.5	1.316	-0.065	-0.074	-0.013	-0.000	-0.625	0.000	-0.210	0.047	-0.077
4	10.5	1.316	-0.065	-0.074	-0.013	-0.000	-0.625	0.000	-0.210	0.047	-0.077
5	10.5	1.316	-0.065	-0.074	-0.013	-0.000	-0.625	0.000	-0.210	0.047	-0.077
6	10.5	1.316	-0.065	-0.074	-0.013	-0.000	-0.625	0.000	-0.210	0.047	-0.077
7	10.5	1.316	-0.065	-0.074	-0.013	-0.000	-0.625	0.000	-0.210	0.047	-0.077
8	10.5	1.316	-0.065	-0.074	-0.013	-0.000	-0.625	0.000	-0.210	0.047	-0.077
9	10.5	1.316	-0.065	-0.074	-0.013	-0.000	-0.625	0.000	-0.210	0.047	-0.077
10	10.5	1.316	-0.065	-0.074	-0.013	-0.000	-0.625	0.000	-0.210	0.047	-0.077
Average <sup>f</sup>	12.3	1.87	3.10	0.155	0.055	0.84	2.82	1.85	59.6	0.000	14.4
<b>10 Percent Increase</b>											
1	10.5	0.000	0.000	-0.730	-0.133	-0.001	-6.248	3.668	-2.101	0.472	-0.769
2	10.5	11.256	-0.646	-0.730	-0.133	-0.001	-6.248	3.668	-2.101	0.472	-0.769
3	10.5	11.256	-0.646	-0.730	-0.133	-0.001	-6.248	3.668	-2.101	0.472	-0.769
4	10.5	11.256	-0.646	-0.730	-0.133	-0.001	-6.248	3.668	-2.101	0.472	-0.769
5	10.5	11.256	-0.646	-0.730	-0.133	-0.001	-6.248	3.668	-2.101	0.472	-0.769
6	10.5	11.256	-0.646	-0.730	-0.133	-0.001	-6.248	3.668	-2.101	0.472	-0.769
7	10.5	11.256	-0.646	-0.730	-0.133	-0.001	-6.248	3.668	-2.101	0.472	-0.769
8	10.5	11.256	-0.646	-0.730	-0.133	-0.001	-6.248	3.668	-2.101	0.472	-0.769
9	10.5	11.256	-0.646	-0.730	-0.133	-0.001	-6.248	3.668	-2.101	0.472	-0.769
10	10.5	11.256	-0.646	-0.730	-0.133	-0.001	-6.248	3.668	-2.101	0.472	-0.769
Average <sup>f</sup>	12.3	1.87	3.10	0.155	0.055	0.84	2.82	1.85	59.6	0.000	14.4

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is acreage reduction program.

<sup>c</sup>PLD is paid land diversion.

<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.

<sup>e</sup>CRP is conservation reserve program.

<sup>f</sup>1985-89 average level.

Table 18. Barley area harvested: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline				Barley PLD		Barley		Barley		Triple-		Barley		Oat	Wheat	Producer
	LHS <sup>a</sup>	Variable	Barley Price	Wheat Price	Oat Price	Barley ARP <sup>b</sup> Rate	Barley PLD <sup>c</sup> Rate	Payment Rate	Target Price	Program Yield	Base Rate <sup>d</sup>	Total CRP <sup>e</sup>	Variable Costs	Variable Costs	Variable Costs	Price Index	
(million acres)									(percent)								
<b>1 Percent Increase</b>																	
1	9.0	0.000	0.000	0.000	-0.075	-0.008	-0.000	0.675	-0.112	0.025	-0.073	-0.382	0.129	0.145	0.145	0.000	
2	9.0	1.215	-0.296	-0.210	-0.075	-0.008	0.000	-0.675	-0.112	0.025	-0.073	-0.382	0.129	0.145	0.145	0.051	
3	9.0	1.215	-0.296	-0.210	-0.075	-0.008	0.000	-0.675	-0.112	0.025	-0.073	-0.382	0.129	0.145	0.145	0.051	
4	9.0	1.215	-0.296	-0.210	-0.075	-0.008	0.000	-0.675	-0.112	0.025	-0.073	-0.382	0.129	0.145	0.145	0.051	
5	9.0	1.215	-0.296	-0.210	-0.075	-0.008	0.000	-0.675	-0.112	0.025	-0.073	-0.382	0.129	0.145	0.145	0.051	
6	9.0	1.215	-0.296	-0.210	-0.075	-0.008	0.000	-0.675	-0.112	0.025	-0.073	-0.382	0.129	0.145	0.145	0.051	
7	9.0	1.215	-0.296	-0.210	-0.075	-0.008	0.000	-0.675	-0.112	0.025	-0.073	-0.382	0.129	0.145	0.145	0.051	
8	9.0	1.215	-0.296	-0.210	-0.075	-0.008	0.000	-0.675	-0.112	0.025	-0.073	-0.382	0.129	0.145	0.145	0.051	
9	9.0	1.215	-0.296	-0.210	-0.075	-0.008	0.000	-0.675	-0.112	0.025	-0.073	-0.382	0.129	0.145	0.145	0.051	
10	9.0	1.215	-0.296	-0.210	-0.075	-0.008	0.000	-0.675	-0.112	0.025	-0.073	-0.382	0.129	0.145	0.145	0.051	
Average <sup>f</sup>	9.9	2.12	3.10	1.62	0.155	0.055	0.71	2.55	48.0	0.000	14.4	66.16	57.52	57.70	315.0		
<b>10 Percent Increase</b>																	
1	9.0	0.000	0.000	0.000	-0.737	-0.081	-0.001	-6.739	-1.124	0.248	-0.734	-4.019	1.288	1.454	1.454	0.000	
2	9.0	10.840	-2.956	-2.095	-0.737	-0.081	-0.001	-6.739	-1.124	0.248	-0.734	-4.019	1.288	1.454	1.454	0.467	
3	9.0	10.840	-2.956	-2.095	-0.737	-0.081	-0.001	-6.739	-1.124	0.248	-0.734	-4.019	1.288	1.454	1.454	0.467	
4	9.0	10.840	-2.956	-2.095	-0.737	-0.081	-0.001	-6.739	-1.124	0.248	-0.734	-4.019	1.288	1.454	1.454	0.467	
5	9.0	10.840	-2.956	-2.095	-0.737	-0.081	-0.001	-6.739	-1.124	0.248	-0.734	-4.019	1.288	1.454	1.454	0.467	
6	9.0	10.840	-2.956	-2.095	-0.737	-0.081	-0.001	-6.739	-1.124	0.248	-0.734	-4.019	1.288	1.454	1.454	0.467	
7	9.0	10.840	-2.956	-2.095	-0.737	-0.081	-0.001	-6.739	-1.124	0.248	-0.734	-4.019	1.288	1.454	1.454	0.467	
8	9.0	10.840	-2.956	-2.095	-0.737	-0.081	-0.001	-6.739	-1.124	0.248	-0.734	-4.019	1.288	1.454	1.454	0.467	
9	9.0	10.840	-2.956	-2.095	-0.737	-0.081	-0.001	-6.739	-1.124	0.248	-0.734	-4.019	1.288	1.454	1.454	0.467	
10	9.0	10.840	-2.956	-2.095	-0.737	-0.081	-0.001	-6.739	-1.124	0.248	-0.734	-4.019	1.288	1.454	1.454	0.467	
Average <sup>f</sup>	9.9	2.12	3.10	1.62	0.155	0.055	0.71	2.55	48.0	0.000	14.4	66.16	57.52	57.70	315.0		

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is acreage reduction program.

<sup>c</sup>PLD is paid land diversion.

<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.

<sup>e</sup>CRP is conservation reserve program.

<sup>f</sup>1985-89 average level.

Table 19. Oat area harvested: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable	Oat Price	Corn Price	Barley Price	Soybean Price	Oat ARP <sup>b</sup> Rate	Oat PLD <sup>c</sup> Rate	Oat Payment Rate	Oat Target Price	Oat Program Yield	Oat Total CRP <sup>d</sup>	Barley Variable Costs	Corn Variable Costs	Soybean Variable Costs	Oat Variable Costs	Producer Price Index
	(million acres)	(percent)														
	1 Percent Increase															
1	7.0	0.000	0.000	0.000	0.000	-0.003	0.000	0.000	0.000	-0.037	0.148	0.146	0.066	-0.435	0.000	
2	6.9	0.709	-0.236	-0.263	-0.814	-0.003	0.000	0.000	0.000	-0.042	0.171	0.168	0.075	-0.500	0.047	
3	6.9	0.813	-0.271	-0.301	-0.211	-0.003	-0.001	0.000	0.000	-0.043	0.174	0.171	0.077	-0.510	0.054	
4	6.9	0.828	-0.276	-0.307	-0.214	-0.003	-0.001	0.000	0.000	-0.043	0.175	0.171	0.077	-0.511	0.055	
5	6.9	0.830	-0.277	-0.308	-0.215	-0.003	-0.001	0.000	0.000	-0.043	0.175	0.172	0.077	-0.511	0.055	
5	6.9	0.830	-0.277	-0.308	-0.215	-0.003	-0.001	0.000	0.000	-0.043	0.175	0.172	0.077	-0.511	0.055	
6	6.9	0.830	-0.277	-0.308	-0.215	-0.003	-0.001	0.000	0.000	-0.043	0.175	0.172	0.077	-0.511	0.055	
7	6.9	0.830	-0.277	-0.308	-0.215	-0.003	-0.001	0.000	0.000	-0.043	0.175	0.172	0.077	-0.511	0.055	
8	6.9	0.830	-0.277	-0.308	-0.215	-0.003	-0.001	0.000	0.000	-0.043	0.175	0.172	0.077	-0.511	0.055	
9	6.9	0.830	-0.277	-0.308	-0.215	-0.003	-0.001	0.000	0.000	-0.043	0.175	0.172	0.077	-0.511	0.055	
10	6.9	0.830	-0.277	-0.308	-0.215	-0.003	-0.001	0.000	0.000	-0.043	0.175	0.172	0.077	-0.511	0.055	
Average*	6.9	1.62	2.11	2.12	5.77	0.115	0.035	0.23	1.57	48.2	14.4	66.16	151.18	65.89	57.52	315.0
	10 Percent Increase															
1	7.0	0.000	0.000	0.000	0.000	-0.024	-0.004	-0.001	-0.277	-0.001	-0.369	1.484	1.458	0.655	-4.348	0.000
2	6.9	7.082	-2.360	-2.627	-1.836	-0.028	-0.005	-0.001	-0.319	-0.001	-0.425	1.708	1.678	0.754	-5.003	0.430
3	6.9	8.122	-2.707	-3.013	-2.105	-0.029	-0.005	-0.001	-0.325	-0.001	-0.433	1.740	1.710	0.768	-5.099	0.493
4	6.9	8.275	-2.758	-3.069	-2.145	-0.029	-0.005	-0.001	-0.326	-0.001	-0.434	1.745	1.715	0.770	-5.113	0.502
5	6.9	8.297	-2.765	-3.078	-2.150	-0.029	-0.005	-0.001	-0.326	-0.001	-0.434	1.746	1.715	0.771	-5.115	0.503
6	6.9	8.300	-2.766	-3.079	-2.151	-0.029	-0.005	-0.001	-0.326	-0.001	-0.434	1.746	1.716	0.771	-5.115	0.504
7	6.9	8.301	-2.766	-3.079	-2.151	-0.029	-0.005	-0.001	-0.326	-0.001	-0.434	1.746	1.716	0.771	-5.115	0.504
8	6.9	8.301	-2.766	-3.079	-2.151	-0.029	-0.005	-0.001	-0.326	-0.001	-0.434	1.746	1.716	0.771	-5.115	0.504
9	6.9	8.301	-2.767	-3.079	-2.151	-0.029	-0.005	-0.001	-0.326	-0.001	-0.434	1.746	1.716	0.771	-5.115	0.504
10	6.9	8.301	-2.767	-3.079	-2.151	-0.029	-0.005	-0.001	-0.326	-0.001	-0.434	1.746	1.716	0.771	-5.115	0.504
Average*	6.9	1.62	2.11	2.12	5.77	0.115	0.035	0.23	1.57	48.2	14.4	66.16	151.18	65.89	57.52	315.0

\*RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is acreage reduction program.

<sup>c</sup>PLD is paid land diversion.

<sup>d</sup>CRP is conservation reserve program.

\*1985-89 average level.

Table 20. Wheat area harvested: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline											Producer Price Index			
	LHS <sup>a</sup>	Wheat Price	Barley Price	Sorghum Price	Wheat ARP <sup>b</sup> Rate	Wheat PLD <sup>c</sup> Rate	Payment Rate	Wheat Target Price	Wheat Program Yield	Triple-Base Rate <sup>d</sup>	Total CRP <sup>e</sup>	Barley Variable Costs	Wheat Variable Costs	Sorghum Variable Costs	
(million acres)		(percent)													
<b>1 Percent Increase</b>															
1	62.4	0.000	0.000	0.000	-0.081	-0.010	-0.002	-0.315	-0.089	0.021	-0.046	0.033	-0.129	0.031	0.000
2	62.4	0.554	-0.057	-0.050	-0.081	-0.010	-0.002	-0.315	-0.089	0.021	-0.046	0.033	-0.129	0.031	-0.073
3	62.4	0.554	-0.057	-0.050	-0.081	-0.010	-0.002	-0.315	-0.089	0.021	-0.046	0.033	-0.129	0.031	-0.073
4	62.4	0.554	-0.057	-0.050	-0.081	-0.010	-0.002	-0.315	-0.089	0.021	-0.046	0.033	-0.129	0.031	-0.073
5	62.4	0.554	-0.057	-0.050	-0.081	-0.010	-0.002	-0.315	-0.089	0.021	-0.046	0.033	-0.129	0.031	-0.073
6	62.4	0.554	-0.057	-0.050	-0.081	-0.010	-0.002	-0.315	-0.089	0.021	-0.046	0.033	-0.129	0.031	-0.073
7	62.4	0.554	-0.057	-0.050	-0.081	-0.010	-0.002	-0.315	-0.089	0.021	-0.046	0.033	-0.129	0.031	-0.073
8	62.4	0.554	-0.057	-0.050	-0.081	-0.010	-0.002	-0.315	-0.089	0.021	-0.046	0.033	-0.129	0.031	-0.073
9	62.4	0.554	-0.057	-0.050	-0.081	-0.010	-0.002	-0.315	-0.089	0.021	-0.046	0.033	-0.129	0.031	-0.073
10	62.4	0.554	-0.057	-0.050	-0.081	-0.010	-0.002	-0.315	-0.089	0.021	-0.046	0.033	-0.129	0.031	-0.073
Average <sup>f</sup>	59.3	3.10	2.12	1.87	0.215	0.035	0.94	4.29	35.0	0.000	14.4	66.16	57.70	74.04	315.0
<b>10 Percent Increase</b>															
1	62.4	0.000	0.000	0.000	-0.726	-0.095	-0.016	-2.984	-0.882	0.215	-0.460	0.325	-1.314	0.313	0.000
2	62.4	5.480	-0.573	-0.499	-0.726	-0.095	-0.016	-2.984	-0.882	0.215	-0.460	0.325	-1.314	0.313	-0.669
3	62.4	5.480	-0.573	-0.499	-0.726	-0.095	-0.016	-2.984	-0.882	0.215	-0.460	0.325	-1.314	0.313	-0.669
4	62.4	5.480	-0.573	-0.499	-0.726	-0.095	-0.016	-2.984	-0.882	0.215	-0.460	0.325	-1.314	0.313	-0.669
5	62.4	5.480	-0.573	-0.499	-0.726	-0.095	-0.016	-2.984	-0.882	0.215	-0.460	0.325	-1.314	0.313	-0.669
6	62.4	5.480	-0.573	-0.499	-0.726	-0.095	-0.016	-2.984	-0.882	0.215	-0.460	0.325	-1.314	0.313	-0.669
7	62.4	5.480	-0.573	-0.499	-0.726	-0.095	-0.016	-2.984	-0.882	0.215	-0.460	0.325	-1.314	0.313	-0.669
8	62.4	5.480	-0.573	-0.499	-0.726	-0.095	-0.016	-2.984	-0.882	0.215	-0.460	0.325	-1.314	0.313	-0.669
9	62.4	5.480	-0.573	-0.499	-0.726	-0.095	-0.016	-2.984	-0.882	0.215	-0.460	0.325	-1.314	0.313	-0.669
10	62.4	5.480	-0.573	-0.499	-0.726	-0.095	-0.016	-2.984	-0.882	0.215	-0.460	0.325	-1.314	0.313	-0.669
Average <sup>f</sup>	59.3	3.10	2.12	1.87	0.215	0.035	0.94	4.29	35.0	0.000	14.4	66.16	57.70	74.04	315.0

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is acreage reduction program.

<sup>c</sup>PLD is paid land diversion.

<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.

<sup>e</sup>CRP is conservation reserve program.

<sup>f</sup>1985-89 average level.

Table 21. Rice area harvested: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup>	Farm Rice Variable	Rice ARP <sup>b</sup> Rate	Rice PLD <sup>c</sup> Rate	Rice PLD Payment Rate	Rice Target Price	Rice Program Yield	Triple- Base Rate <sup>d</sup>	Wheat Variable Costs	Producer Price Index
(million) acres)										
(percent)										
<b>1 Percent Increase</b>										
1	2.60	0.000	-0.231	-0.015	0.000	-0.202	-0.089	0.024	-0.237	0.000
2	2.60	0.382	-0.295	-0.019	0.000	-0.258	-0.113	0.031	-0.303	0.029
3	2.60	0.489	-0.313	-0.020	0.000	-0.273	-0.120	0.033	-0.321	0.037
4	2.60	0.519	-0.318	-0.021	0.000	-0.277	-0.122	0.033	-0.326	0.039
5	2.61	0.527	-0.319	-0.021	0.000	-0.279	-0.122	0.033	-0.327	0.040
6	2.61	0.529	-0.320	-0.021	0.000	-0.279	-0.123	0.033	-0.328	0.040
7	2.61	0.530	-0.320	-0.021	0.000	-0.279	-0.123	0.033	-0.328	0.040
8	2.61	0.530	-0.320	-0.021	0.000	-0.279	-0.123	0.033	-0.328	0.040
9	2.61	0.530	-0.320	-0.021	0.000	-0.279	-0.123	0.033	-0.328	0.040
10	2.61	0.530	-0.320	-0.021	0.000	-0.279	-0.123	0.033	-0.328	0.040
<b>Average*</b>	<b>2.55</b>	<b>6.48</b>	<b>0.280</b>	<b>0.030</b>	<b>0.70</b>	<b>11.48</b>	<b>4,913</b>	<b>0.000</b>	<b>302.51</b>	<b>315.2</b>
<b>10 Percent Increase</b>										
1	2.60	0.000	-2.256	-0.151	-0.002	-1.828	-0.848	0.244	-2.353	0.000
2	2.60	3.986	-2.880	-0.193	-0.003	-2.334	-1.083	0.312	-3.004	0.291
3	2.60	5.098	-3.054	-0.205	-0.003	-2.475	-1.149	0.331	-3.186	0.372
4	2.60	5.408	-3.103	-0.208	-0.003	-2.515	-1.167	0.336	-3.236	0.394
5	2.61	5.495	-3.116	-0.209	-0.003	-2.526	-1.172	0.338	-3.251	0.401
6	2.61	5.519	-3.120	-0.209	-0.003	-2.529	-1.174	0.338	-3.255	0.402
7	2.61	5.526	-3.121	-0.209	-0.003	-2.530	-1.174	0.338	-3.256	0.403
8	2.61	5.528	-3.121	-0.209	-0.003	-2.530	-1.174	0.338	-3.256	0.403
9	2.61	5.528	-3.121	-0.209	-0.003	-2.530	-1.174	0.338	-3.256	0.403
10	2.61	5.528	-3.121	-0.209	-0.003	-2.530	-1.174	0.338	-3.256	0.403
<b>Average*</b>	<b>2.55</b>	<b>6.48</b>	<b>0.280</b>	<b>0.030</b>	<b>0.70</b>	<b>11.48</b>	<b>4,913</b>	<b>0.000</b>	<b>302.51</b>	<b>315.2</b>

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is the acreage reduction program.

<sup>c</sup>PLD is paid land diversion.

<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.

\*1985-89 average level.

Table 22. Soybean area harvested: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable	Soybean Price	Corn Price	Corn ARP <sup>b</sup> Rate	Corn PLD <sup>c</sup> Rate	Corn PLD Payment Rate	Corn Target Price	Corn Program Yield	Triple- Based Rate <sup>d</sup>	Total CRP <sup>e</sup>	Corn Variable Costs	Soybean Variable Costs	Producer Price Index
(million acres)										(percent)			
1 Percent Increase													
1	60.8	0.000	0.000	0.001	-0.001	-0.001	-0.092	-0.028	0.027	-0.031	0.174	-0.108	0.000
2	61.4	0.304	-0.213	0.001	-0.001	-0.001	-0.138	-0.042	0.040	-0.032	0.262	-0.163	-0.068
3	61.8	0.458	-0.323	0.001	-0.002	-0.002	-0.162	-0.049	0.047	-0.033	0.308	-0.191	-0.099
4	62.0	0.538	-0.380	0.001	-0.002	-0.002	-0.175	-0.053	0.051	-0.033	0.332	-0.206	-0.115
5	62.1	0.581	-0.410	0.001	-0.002	-0.002	-0.182	-0.055	0.053	-0.033	0.344	-0.214	-0.124
6	62.1	0.603	-0.426	0.001	-0.002	-0.002	-0.185	-0.056	0.054	-0.033	0.351	-0.218	-0.128
7	62.1	0.614	-0.434	0.001	-0.002	-0.002	-0.187	-0.056	0.055	-0.034	0.354	-0.220	-0.131
8	62.2	0.620	-0.439	0.001	-0.002	-0.002	-0.188	-0.057	0.055	-0.034	0.356	-0.221	-0.132
9	62.2	0.624	-0.441	0.001	-0.002	-0.002	-0.188	-0.057	0.055	-0.034	0.357	-0.222	-0.133
10	62.2	0.625	-0.442	0.001	-0.002	-0.002	-0.189	-0.057	0.055	-0.034	0.358	-0.222	-0.133
Average <sup>f</sup>	58.8	5.77	2.11	0.155	0.055	0.90	2.97	104.6	0.000	14.4	151.18	65.89	315.3
10 Percent Increase													
1	60.8	0.000	0.000	0.010	-0.009	-0.010	-0.847	-0.270	0.267	-0.312	1.805	-1.079	0.000
2	61.4	3.046	-1.996	0.015	-0.013	-0.015	-1.278	-0.407	0.403	-0.323	2.726	-1.628	-0.618
3	61.8	4.587	-3.030	0.018	-0.015	-0.017	-1.502	-0.478	0.474	-0.329	3.202	-1.913	-0.905
4	62.0	5.391	-3.569	0.019	-0.016	-0.019	-1.618	-0.515	0.510	-0.332	3.450	-2.062	-1.055
5	62.1	5.812	-3.852	0.020	-0.017	-0.020	-1.679	-0.535	0.530	-0.334	3.581	-2.139	-1.133
6	62.1	6.033	-4.000	0.020	-0.017	-0.020	-1.712	-0.545	0.540	-0.335	3.649	-2.180	-1.175
7	62.1	6.150	-4.078	0.020	-0.017	-0.020	-1.728	-0.550	0.545	-0.335	3.685	-2.202	-1.196
8	62.2	6.211	-4.119	0.020	-0.018	-0.020	-1.737	-0.553	0.548	-0.336	3.704	-2.213	-1.208
9	62.2	6.243	-4.141	0.020	-0.018	-0.020	-1.742	-0.554	0.549	-0.336	3.714	-2.219	-1.214
10	62.2	6.260	-4.152	0.021	-0.018	-0.020	-1.744	-0.555	0.550	-0.336	3.719	-2.222	-1.217
Average <sup>f</sup>	58.8	5.77	2.11	0.155	0.055	0.90	2.97	104.6	0.000	14.4	151.18	65.89	315.3

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is the acreage reduction program.

<sup>c</sup>PLD is paid land diversion.

<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.

<sup>e</sup>CRP is the conservation reserve program.

<sup>f</sup>1985-89 average level.

Table 23. Sugar beet area harvested: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable	New York Raw Sugar Price	Oat Price	Soybean Price	GDP <sup>b</sup> Deflator
	(1,000 acres)			(percent)	
<b>1 Percent Increase</b>					
1	1,232	0.000	0.000	0.000	0.000
2	1,242	0.200	-0.105	-0.091	-0.004
3	1,245	0.245	-0.129	-0.111	-0.005
4	1,245	0.256	-0.135	-0.116	-0.005
5	1,245	0.258	-0.136	-0.117	-0.005
6	1,245	0.259	-0.136	-0.117	-0.005
7	1,245	0.259	-0.136	-0.117	-0.005
8	1,245	0.259	-0.136	-0.117	-0.005
9	1,245	0.259	-0.136	-0.117	-0.005
10	1,245	0.259	-0.136	-0.117	-0.005
Average <sup>c</sup>	1,228	21.61	1.62	5.77	137.6
<b>10 Percent Increase</b>					
1	1,232	0.000	0.000	0.000	0.000
2	1,242	1.999	-1.052	-0.906	-0.037
3	1,245	2.454	-1.291	-1.113	-0.045
4	1,245	2.558	-1.346	-1.160	-0.047
5	1,245	2.582	-1.359	-1.171	-0.048
6	1,245	2.588	-1.362	-1.173	-0.048
7	1,245	2.589	-1.362	-1.174	-0.048
8	1,245	2.589	-1.362	-1.174	-0.048
9	1,245	2.589	-1.362	-1.174	-0.048
10	1,245	2.589	-1.362	-1.174	-0.048
Average <sup>c</sup>	1,228	21.61	1.62	5.77	137.6

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>GDP = gross domestic product.<sup>c</sup>1985-89 average level.

Table 24. Sugarcane area harvested: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline	New York	GDP <sup>b</sup>
	LHS <sup>c</sup> Variable	Raw Sugar Price	Deflator
	(1,000 acres)		(percent)
<b>1 Percent Increase</b>			
1	769	0.000	0.000
2	779	0.025	-0.025
3	784	0.037	-0.037
4	787	0.043	-0.043
5	788	0.047	-0.046
6	789	0.048	-0.048
7	789	0.049	-0.048
8	789	0.049	-0.049
9	789	0.049	-0.049
10	789	0.049	-0.049
Average <sup>c</sup>	770	21.61	137.6
<b>10 Percent Increase</b>			
1	769	0.000	0.000
2	779	0.251	-0.228
3	784	0.374	-0.340
4	787	0.435	-0.395
5	788	0.465	-0.423
6	789	0.480	-0.437
7	789	0.488	-0.443
8	789	0.492	-0.447
9	789	0.493	-0.449
10	789	0.494	-0.449
Average <sup>c</sup>	770	21.61	137.6

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>GDP is gross domestic product.<sup>c</sup>1985-89 average level.

**Table 25.** Corn yield: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable (bushels per acre)	Corn Price	Corn Target Price	Producer Price Index	Fertilizer Price Index
<b>1 Percent Increase</b>					
1	111.7	0.000	0.018	0.000	-0.033
2	111.7	0.052	0.018	-0.037	-0.033
3	111.7	0.052	0.018	-0.037	-0.033
4	111.7	0.052	0.018	-0.037	-0.033
5	111.7	0.052	0.018	-0.037	-0.033
6	111.7	0.052	0.018	-0.037	-0.033
7	111.7	0.052	0.018	-0.037	-0.033
8	111.7	0.052	0.018	-0.037	-0.033
9	111.7	0.052	0.018	-0.037	-0.033
10	111.7	0.052	0.018	-0.037	-0.033
<b>Average<sup>b</sup></b>	<b>111.6</b>	<b>2.11</b>	<b>2.97</b>	<b>315.3</b>	<b>94.1</b>
<b>10 Percent Increase</b>					
1	111.7	0.000	0.183	0.000	-0.319
2	111.7	0.522	0.183	-0.353	-0.319
3	111.7	0.522	0.183	-0.353	-0.319
4	111.7	0.522	0.183	-0.353	-0.319
5	111.7	0.522	0.183	-0.353	-0.319
6	111.7	0.522	0.183	-0.353	-0.319
7	111.7	0.522	0.183	-0.353	-0.319
8	111.7	0.522	0.183	-0.353	-0.319
9	111.7	0.522	0.183	-0.353	-0.319
10	111.7	0.522	0.183	-0.353	-0.319
<b>Average<sup>b</sup></b>	<b>111.6</b>	<b>2.11</b>	<b>2.97</b>	<b>315.3</b>	<b>94.1</b>

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>1985-89 average level.

Table 26. Sorghum yield: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable (bushels per acre)	Sorghum Price	Sorghum Target Price	Producer Price Index	Fertilizer Price Index
<b>1 Percent Increase</b>					
1	63.7	0.000	0.014	0.000	-0.024
2	63.7	0.037	0.014	-0.027	-0.024
3	63.7	0.037	0.014	-0.027	-0.024
4	63.7	0.037	0.014	-0.027	-0.024
5	63.7	0.037	0.014	-0.027	-0.024
6	63.7	0.037	0.014	-0.027	-0.024
7	63.7	0.037	0.014	-0.027	-0.024
8	63.7	0.037	0.014	-0.027	-0.024
9	63.7	0.037	0.014	-0.027	-0.024
10	63.7	0.037	0.014	-0.027	-0.024
<b>Average<sup>b</sup></b>	<b>64.6</b>	<b>1.87</b>	<b>2.82</b>	<b>315.3</b>	<b>94.1</b>
<b>10 Percent Increase</b>					
1	63.7	0.000	0.139	0.000	-0.230
2	63.7	0.369	0.139	-0.254	-0.230
3	63.7	0.369	0.139	-0.254	-0.230
4	63.7	0.369	0.139	-0.254	-0.230
5	63.7	0.369	0.139	-0.254	-0.230
6	63.7	0.369	0.139	-0.254	-0.230
7	63.7	0.369	0.139	-0.254	-0.230
8	63.7	0.369	0.139	-0.254	-0.230
9	63.7	0.369	0.139	-0.254	-0.230
10	63.7	0.369	0.139	-0.254	-0.230
<b>Average<sup>b</sup></b>	<b>64.6</b>	<b>1.87</b>	<b>2.82</b>	<b>315.3</b>	<b>94.1</b>

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>1985-89 average level.

Table 27. Barley yield: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable	Barley Price	Wheat Price	Oat Price	Barley ARP <sup>b</sup> Rate	Barley PLD <sup>c</sup> Rate	Barley Target Price	Barley Program Yield	Triple- Base Rate <sup>d</sup>	Total CRP <sup>e</sup>	Barley Variable Costs	Oat Variable Costs	Wheat Variable Costs	Producer Price Index
(bushels per acre)										-(percent)-				
1 Percent Increase														
1	49.1	0.000	0.000	0.000	0.006	0.001	0.056	0.009	-0.002	0.006	0.032	-0.011	-0.012	0.000
2	49.1	-0.101	0.024	0.017	0.006	0.001	0.056	0.009	-0.002	0.006	0.032	-0.011	-0.012	-0.004
3	49.1	-0.101	0.024	0.017	0.006	0.001	0.056	0.009	-0.002	0.006	0.032	-0.011	-0.012	-0.004
4	49.1	-0.101	0.024	0.017	0.006	0.001	0.056	0.009	-0.002	0.006	0.032	-0.011	-0.012	-0.004
5	49.1	-0.101	0.024	0.017	0.006	0.001	0.056	0.009	-0.002	0.006	0.032	-0.011	-0.012	-0.004
6	49.1	-0.101	0.024	0.017	0.006	0.001	0.056	0.009	-0.002	0.006	0.032	-0.011	-0.012	-0.004
7	49.1	-0.101	0.024	0.017	0.006	0.001	0.056	0.009	-0.002	0.006	0.032	-0.011	-0.012	-0.004
8	49.1	-0.101	0.024	0.017	0.006	0.001	0.056	0.009	-0.002	0.006	0.032	-0.011	-0.012	-0.004
9	49.1	-0.101	0.024	0.017	0.006	0.001	0.056	0.009	-0.002	0.006	0.032	-0.011	-0.012	-0.004
10	49.1	-0.101	0.024	0.017	0.006	0.001	0.056	0.009	-0.002	0.006	0.032	-0.011	-0.012	-0.004
Average <sup>f</sup>	48.1	2.12	3.10	1.62	0.155	0.055	2.55	48.0	0.000	14.4	66.16	57.52	57.70	315.0
10 Percent Increase														
1	49.1	0.000	0.000	0.000	0.061	0.007	0.558	0.093	-0.021	0.061	0.333	-0.107	-0.120	0.000
2	49.1	-0.898	0.244	0.173	0.061	0.007	0.558	0.093	-0.021	0.061	0.333	-0.107	-0.120	-0.039
3	49.1	-0.898	0.244	0.173	0.061	0.007	0.558	0.093	-0.021	0.061	0.333	-0.107	-0.120	-0.039
4	49.1	-0.898	0.244	0.173	0.061	0.007	0.558	0.093	-0.021	0.061	0.333	-0.107	-0.120	-0.039
5	49.1	-0.898	0.244	0.173	0.061	0.007	0.558	0.093	-0.021	0.061	0.333	-0.107	-0.120	-0.039
6	49.1	-0.898	0.244	0.173	0.061	0.007	0.558	0.093	-0.021	0.061	0.333	-0.107	-0.120	-0.039
7	49.1	-0.898	0.244	0.173	0.061	0.007	0.558	0.093	-0.021	0.061	0.333	-0.107	-0.120	-0.039
8	49.1	-0.898	0.244	0.173	0.061	0.007	0.558	0.093	-0.021	0.061	0.333	-0.107	-0.120	-0.039
9	49.1	-0.898	0.244	0.173	0.061	0.007	0.558	0.093	-0.021	0.061	0.333	-0.107	-0.120	-0.039
10	49.1	-0.898	0.244	0.173	0.061	0.007	0.558	0.093	-0.021	0.061	0.333	-0.107	-0.120	-0.039
Average <sup>f</sup>	48.1	2.12	3.10	1.62	0.155	0.055	2.55	48.0	0.000	14.4	66.16	57.52	57.70	315.0

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is the acreage reduction program.

<sup>c</sup>PLD is paid land diversion.

<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.

<sup>e</sup>CRP is the conservation reserve program.

<sup>f</sup>1985-89 average level.

Table 28. Wheat yield: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable (bushels per acre)	Wheat Price	Wheat Target Price	Producer Price Index	Fertilizer Price Index
(percent)					
<b>1 Percent Increase</b>					
1	34.4	0.000	0.033	0.000	-0.061
2	34.4	0.097	0.033	-0.069	-0.061
3	34.4	0.097	0.033	-0.069	-0.061
4	34.4	0.097	0.033	-0.069	-0.061
5	34.4	0.097	0.033	-0.069	-0.061
6	34.4	0.097	0.033	-0.069	-0.061
7	34.4	0.097	0.033	-0.069	-0.061
8	34.4	0.097	0.033	-0.069	-0.061
9	34.4	0.097	0.033	-0.069	-0.061
10	34.4	0.097	0.033	-0.069	-0.061
Average <sup>b</sup>	35.3	3.10 <sup>c</sup>	4.29	315.0	94.1
<b>10 Percent Increase</b>					
1	34.4	0.000	0.334	0.000	-0.583
2	34.4	0.966	0.334	-0.656	-0.583
3	34.4	0.966	0.334	-0.656	-0.583
4	34.4	0.966	0.334	-0.656	-0.583
5	34.4	0.966	0.334	-0.656	-0.583
6	34.4	0.966	0.334	-0.656	-0.583
7	34.4	0.966	0.334	-0.656	-0.583
8	34.4	0.966	0.334	-0.656	-0.583
9	34.4	0.966	0.334	-0.656	-0.583
10	34.4	0.966	0.334	-0.656	-0.583
Average <sup>b</sup>	35.5	3.10	4.29	315.0	94.1

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>1985-89 average level.<sup>c</sup>1985-89 average level.

Table 29. Rice yield: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable	Farm Rice Price	Rice ARP <sup>b</sup> Rate	Rice PLD <sup>c</sup> Rate	Rice Target Price	Rice Program Yield	Triple- Base Rate <sup>d</sup>	Rice Variable Costs	Producer Price Index	
	(pounds per acre)	(percent)								
	1 Percent Increase									
1	5,564	0.000	0.032	0.002	0.028	0.012	-0.003	0.033	0.000	
2	5,563	-0.054	0.042	0.003	0.036	0.016	-0.004	0.043	-0.004	
3	5,562	-0.069	0.044	0.003	0.038	0.017	-0.005	0.045	-0.005	
4	5,562	-0.073	0.045	0.003	0.039	0.017	-0.005	0.046	-0.006	
5	5,562	-0.074	0.045	0.003	0.039	0.017	-0.005	0.046	-0.006	
6	5,562	-0.075	0.045	0.003	0.039	0.017	-0.005	0.046	-0.006	
7	5,562	-0.075	0.045	0.003	0.039	0.017	-0.005	0.046	-0.006	
8	5,562	-0.075	0.045	0.003	0.039	0.017	-0.005	0.046	-0.006	
9	5,562	-0.075	0.045	0.003	0.039	0.017	-0.005	0.046	-0.006	
10	5,562	-0.075	0.045	0.003	0.039	0.017	-0.005	0.048	-0.006	
Average <sup>e</sup>	5,577	6.48	0.280	0.030	11.48	4,913	0.000	302.51	315.2	
	10 Percent Increase									
1	5,564	0.000	0.317	0.021	0.257	0.119	-0.034	0.331	0.000	
2	5,563	-0.561	0.406	0.027	0.329	0.153	-0.044	0.423	-0.041	
3	5,562	-0.718	0.430	0.029	0.349	0.162	-0.047	0.449	-0.052	
4	5,562	-0.762	0.437	0.029	0.355	0.165	-0.047	0.456	-0.056	
5	5,562	-0.775	0.439	0.029	0.356	0.165	-0.048	0.458	-0.056	
6	5,562	-0.778	0.440	0.029	0.356	0.165	-0.048	0.459	-0.057	
7	5,562	-0.779	0.440	0.029	0.357	0.166	-0.048	0.459	-0.057	
8	5,562	-0.779	0.440	0.029	0.357	0.166	-0.048	0.459	-0.057	
9	5,562	-0.779	0.440	0.029	0.357	0.166	-0.048	0.459	-0.057	
10	5,562	-0.779	0.440	0.029	0.357	0.166	-0.048	0.459	-0.057	
Average <sup>e</sup>	5,577	6.48	0.280	0.030	11.48	4,913	0.000	302.51	315.2	

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is acreage reduction program.

<sup>c</sup>PLD is paid land diversion

<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.

<sup>e</sup>1985-89 average level.

**Table 30. Soybean yield: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables**

Year	Baseline LHS <sup>a</sup> Variable	Soybean Price <sup>b</sup>	Corn Price	Corn ARP <sup>c</sup> Rate	Corn PLD <sup>d</sup> Rate	Corn Payment Rate	Corn Target Price	Corn Program Yield	Triple- Base Rate <sup>e</sup>	Total CRP <sup>f</sup>	Corn Variable Costs	Soybean Variable Costs	Producer Price Index
(bushels per acre)												(percent)	
1 Percent Increase													
1	32.4	0.000	0.000	0.000	0.000	0.000	0.027	0.008	-0.008	0.009	-0.050	0.031	0.000
2	32.3	-0.090	0.063	0.000	0.000	0.000	0.041	0.012	-0.012	0.010	-0.077	0.048	0.020
3	32.3	-0.136	0.096	0.000	0.000	0.001	0.048	0.015	-0.014	0.010	-0.091	0.057	0.029
4	32.3	-0.161	0.113	0.000	0.000	0.001	0.052	0.016	-0.015	0.010	-0.099	0.061	0.034
5	32.2	-0.173	0.123	0.000	0.001	0.001	0.054	0.016	-0.016	0.010	-0.103	0.064	0.037
6	32.2	-0.180	0.127	0.000	0.001	0.001	0.055	0.017	-0.016	0.010	-0.105	0.065	0.038
7	32.2	-0.184	0.130	0.000	0.001	0.001	0.056	0.017	-0.016	0.010	-0.106	0.066	0.039
8	32.2	-0.186	0.131	0.000	0.001	0.001	0.056	0.017	-0.016	0.010	-0.107	0.066	0.040
9	32.2	-0.187	0.132	0.000	0.001	0.001	0.056	0.017	-0.016	0.010	-0.107	0.066	0.040
10	32.2	-0.187	0.132	0.000	0.001	0.001	0.057	0.017	-0.017	0.010	-0.107	0.067	0.040
Average <sup>g</sup>	32.1	5.77	2.11	0.155	0.055	0.90	2.97	104.6	0.000	14.4	151.18	65.89	315.3
10 Percent Increase													
1	32.4	0.000	0.000	-0.003	0.002	0.003	0.246	0.078	-0.078	0.091	-0.525	0.314	0.000
2	32.3	-0.898	0.589	-0.004	0.004	0.004	0.377	0.120	-0.119	0.095	-0.804	0.480	0.182
3	32.3	-1.362	0.900	-0.005	0.005	0.005	0.446	0.142	-0.141	0.098	-0.951	0.568	0.269
4	32.3	-1.608	1.064	-0.006	0.005	0.006	0.483	0.154	-0.152	0.099	-1.029	0.615	0.315
5	32.2	-1.737	1.151	-0.006	0.005	0.006	0.502	0.160	-0.158	0.100	-1.070	0.639	0.339
6	32.2	-1.805	1.197	-0.006	0.005	0.006	0.512	0.163	-0.161	0.100	-1.092	0.652	0.351
7	32.2	-1.841	1.221	-0.006	0.005	0.006	0.517	0.165	-0.163	0.100	-1.103	0.659	0.358
8	32.2	-1.860	1.233	-0.006	0.005	0.006	0.520	0.166	-0.164	0.100	-1.109	0.663	0.362
9	32.2	-1.869	1.240	-0.006	0.005	0.006	0.522	0.166	-0.165	0.101	-1.112	0.664	0.363
10	32.2	-1.875	1.243	-0.006	0.005	0.006	0.522	0.166	-0.165	0.101	-1.114	0.665	0.364
Average <sup>g</sup>	32.1	5.77	2.11	0.155	0.055	0.90	2.97	104.6	0.000	14.4	151.18	65.89	315.3

<sup>a</sup>RHS is right-hand-side and LHS is left-hand-side.

<sup>b</sup>The negative soybean price is attributable to the inclusion of soybean area effects on yield.

<sup>c</sup>ARP is acreage reduction program.

<sup>d</sup>PLD is paid land diversion.

<sup>e</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.

<sup>f</sup>CRP is the conservation reserve program.

<sup>g</sup>1985-89 average level.

Table 31. Sugar beet yield: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline	New York	
	LHS <sup>a</sup> Variable	Raw Sugar Price	GDP <sup>b</sup> Deflator
	(tons per acre)	(percent)	
<b>1 Percent Increase</b>			
1	20.5	0.000	0.000
2	20.5	0.008	-0.008
3	20.5	0.008	-0.008
4	20.5	0.008	-0.008
5	20.5	0.008	-0.008
6	20.5	0.008	-0.008
7	20.5	0.008	-0.008
8	20.5	0.008	-0.008
9	20.5	0.008	-0.008
10	20.5	0.008	-0.008
Average <sup>c</sup>	20.5	21.61	137.6
<b>10 Percent Increase</b>			
1	20.5	0.000	0.000
2	20.5	0.081	-0.074
3	20.5	0.081	-0.074
4	20.5	0.081	-0.074
5	20.5	0.081	-0.074
6	20.5	0.081	-0.074
7	20.5	0.081	-0.074
8	20.5	0.081	-0.074
9	20.5	0.081	-0.074
10	20.5	0.081	-0.074
Average <sup>c</sup>	20.5	21.61	137.6

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>GDP is gross domestic product.<sup>c</sup>1985-89 average level.

Table 32. Sugarcane yield: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable	New York Raw Sugar Price	GDP <sup>b</sup> Deflator
	(tons per acre)	(percent)	
<b>1 Percent Increase</b>			
1	36.5	0.000	0.000
2	36.5	0.008	-0.008
3	36.5	0.008	-0.008
4	36.5	0.008	-0.008
5	36.5	0.008	-0.008
6	36.5	0.008	-0.008
7	36.5	0.008	-0.008
8	36.5	0.008	-0.008
9	36.5	0.008	-0.008
10	36.5	0.008	-0.008
<b>Average<sup>c</sup></b>	<b>36.5</b>	<b>21.61</b>	<b>137.6</b>
<b>10 Percent Increase</b>			
1	36.5	0.000	0.000
2	36.5	0.079	-0.071
3	36.5	0.079	-0.071
4	36.5	0.079	-0.071
5	36.5	0.079	-0.071
6	36.5	0.079	-0.071
7	36.5	0.079	-0.071
8	36.5	0.079	-0.071
9	36.5	0.079	-0.071
10	36.5	0.079	-0.071
<b>Average<sup>c</sup></b>	<b>36.5</b>	<b>21.61</b>	<b>137.6</b>

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>GDP is gross domestic product.<sup>c</sup>1985-89 average level.

Table 33. Corn production: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup>	Corn Variable (million bushels)	Corn Price	Soybean Price	Corn ARP <sup>b</sup> Rate	Corn PLD <sup>c</sup> Rate	Corn Payment Rate	Corn Target Price	Corn Loan Rate	Corn Program Yield	Triple- Base Rate <sup>d</sup>	Total CRP <sup>e</sup>	Corn Variable Costs	Soybean Variable Costs	Producer Price Index	Fertilizer Price Index	Hay Production
(percent)																	
1 Percent Increase																	
1	7,000	0.000	0.000	-0.094	-0.018	-0.001	-0.187	0.000	-0.060	-0.005	-0.016	-0.129	0.019	0.000	-0.033	0.219	
2	7,000	0.402	-0.052	-0.094	-0.018	-0.001	-0.187	0.000	-0.060	-0.005	-0.016	-0.129	0.019	-0.022	-0.033	0.219	
3	7,000	0.402	-0.052	-0.094	-0.018	-0.001	-0.187	0.000	-0.060	-0.005	-0.016	-0.129	0.019	-0.022	-0.033	0.219	
4	7,000	0.402	-0.052	-0.094	-0.018	-0.001	-0.187	0.000	-0.060	-0.005	-0.016	-0.129	0.019	-0.022	-0.033	0.219	
5	7,000	0.402	-0.052	-0.094	-0.018	-0.001	-0.187	0.000	-0.060	-0.005	-0.016	-0.129	0.019	-0.022	-0.033	0.219	
6	7,000	0.402	-0.052	-0.094	-0.018	-0.001	-0.187	0.000	-0.060	-0.005	-0.016	-0.129	0.019	-0.022	-0.033	0.219	
7	7,000	0.402	-0.052	-0.094	-0.018	-0.001	-0.187	0.000	-0.060	-0.005	-0.016	-0.129	0.019	-0.022	-0.033	0.219	
8	7,000	0.402	-0.052	-0.094	-0.018	-0.001	-0.187	0.000	-0.060	-0.005	-0.016	-0.129	0.019	-0.022	-0.033	0.219	
9	7,000	0.402	-0.052	-0.094	-0.018	-0.001	-0.187	0.000	-0.060	-0.005	-0.016	-0.129	0.019	-0.022	-0.033	0.219	
10	7,000	0.402	-0.052	-0.094	-0.018	-0.001	-0.187	0.000	-0.060	-0.005	-0.016	-0.129	0.019	-0.022	-0.033	0.219	
Average <sup>f</sup>																	
	7,358	2.11	5.77	0.155	0.055	0.90	2.97	1.94	104.6	0.000	14.4	151.18	65.89	315.3	94.1	144.6	
10 Percent Increase																	
1	7,000	0.000	0.000	-0.930	-0.177	-0.010	-1.803	0.088	-0.598	-0.053	-0.161	-1.473	0.189	0.000	-0.319	2.188	
2	7,000	3.615	-0.518	-0.930	-0.177	-0.010	-1.803	0.088	-0.598	-0.053	-0.161	-1.473	0.189	-0.212	-0.319	2.188	
3	7,000	3.615	-0.518	-0.930	-0.177	-0.010	-1.803	0.088	-0.598	-0.053	-0.161	-1.473	0.189	-0.212	-0.319	2.188	
4	7,000	3.615	-0.518	-0.930	-0.177	-0.010	-1.803	0.088	-0.598	-0.053	-0.161	-1.473	0.189	-0.212	-0.319	2.188	
5	7,000	3.615	-0.518	-0.930	-0.177	-0.010	-1.803	0.088	-0.598	-0.053	-0.161	-1.473	0.189	-0.212	-0.319	2.188	
6	7,000	3.615	-0.518	-0.930	-0.177	-0.010	-1.803	0.088	-0.598	-0.053	-0.161	-1.473	0.189	-0.212	-0.319	2.188	
7	7,000	3.615	-0.518	-0.930	-0.177	-0.010	-1.803	0.088	-0.598	-0.053	-0.161	-1.473	0.189	-0.212	-0.319	2.188	
8	7,000	3.615	-0.518	-0.930	-0.177	-0.010	-1.803	0.088	-0.598	-0.053	-0.161	-1.473	0.189	-0.212	-0.319	2.188	
9	7,000	3.615	-0.518	-0.930	-0.177	-0.010	-1.803	0.088	-0.598	-0.053	-0.161	-1.473	0.189	-0.212	-0.319	2.188	
10	7,000	3.615	-0.518	-0.930	-0.177	-0.010	-1.803	0.088	-0.598	-0.053	-0.161	-1.473	0.189	-0.212	-0.319	2.188	
Average <sup>f</sup>																	
	7,338	2.11	5.77	0.155	0.055	0.90	2.97	1.94	104.6	0.000	14.4	151.18	65.89	315.3	94.1	144.6	

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is acreage reduction program.

<sup>c</sup>PLD is paid land diversion.

<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.

<sup>e</sup>CRP is conservation reserve program.

<sup>f</sup>1985-89 average level.

**Table 34. Sorghum production: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables**

Baseline		Sorghum	Sorghum	Sorghum	Sorghum	Sorghum	Sorghum	Sorghum	Triple-	Sorghum	Wheat	Producer	Fertilizer			
Year	LHS <sup>b</sup>	Sorghum Price	Wheat Price	ARP <sup>c</sup> Rate	PLD <sup>d</sup> Rate	Payment Rate	Target Price	Loan Rate	Program Yield	Total CRP <sup>e</sup>	Variable Costs	Variable Costs	Price Index	Price Index		
(million bushels)										(percent)						
<b>1 Percent Increase</b>																
1	667	0.000	0.000	-0.074	-0.013	0.000	-0.611	0.000	-0.210	0.047	-0.077	-0.556	0.032	0.000	-0.024	0.264
2	667	1.354	-0.065	-0.074	-0.013	0.000	-0.611	0.000	-0.210	0.047	-0.077	-0.556	0.032	-0.115	-0.024	-0.264
3	667	1.354	-0.065	-0.074	-0.013	0.000	-0.611	0.000	-0.210	0.047	-0.077	-0.556	0.032	-0.115	-0.024	-0.264
4	667	1.354	-0.065	-0.074	-0.013	0.000	-0.611	0.000	-0.210	0.047	-0.077	-0.556	0.032	-0.115	-0.024	-0.264
5	667	1.354	-0.065	-0.074	-0.013	0.000	-0.611	0.000	-0.210	0.047	-0.077	-0.556	0.032	-0.115	-0.024	-0.264
6	667	1.354	-0.065	-0.074	-0.013	0.000	-0.611	0.000	-0.210	0.047	-0.077	-0.556	0.032	-0.115	-0.024	-0.264
7	667	1.354	-0.065	-0.074	-0.013	0.000	-0.611	0.000	-0.210	0.047	-0.077	-0.556	0.032	-0.115	-0.024	-0.264
8	667	1.354	-0.065	-0.074	-0.013	0.000	-0.611	0.000	-0.210	0.047	-0.077	-0.556	0.032	-0.115	-0.024	-0.264
9	667	1.354	-0.065	-0.074	-0.013	0.000	-0.611	0.000	-0.210	0.047	-0.077	-0.556	0.032	-0.115	-0.024	-0.264
10	667	1.354	-0.065	-0.074	-0.013	0.000	-0.611	0.000	-0.210	0.047	-0.077	-0.556	0.032	-0.115	-0.024	-0.264
Average <sup>f</sup>	797	1.87	3.10	0.155	0.055	0.84	2.82	1.85	59.6	0.000	14.4	74.04	57.70	315.3	94.1	144.6
<b>10 Percent Increase</b>																
1	667	0.000	0.000	-0.730	-0.133	-0.001	-6.118	3.668	-2.101	0.472	-0.769	-6.253	-0.318	0.000	-0.230	2.642
2	667	11.667	-0.646	-0.730	-0.133	-0.001	-6.118	3.668	-2.101	0.472	-0.769	-6.253	0.318	-1.061	-0.230	2.642
3	667	11.667	-0.646	-0.730	-0.133	-0.001	-6.118	3.668	-2.101	0.472	-0.769	-6.253	0.318	-1.061	-0.230	2.642
4	667	11.667	-0.646	-0.730	-0.133	-0.001	-6.118	3.668	-2.101	0.472	-0.769	-6.253	0.318	-1.061	-0.230	2.642
5	667	11.667	-0.646	-0.730	-0.133	-0.001	-6.118	3.668	-2.101	0.472	-0.769	-6.253	0.318	-1.061	-0.230	2.642
6	667	11.667	-0.646	-0.730	-0.133	-0.001	-6.118	3.668	-2.101	0.472	-0.769	-6.253	0.318	-1.061	-0.230	2.642
7	667	11.667	-0.646	-0.730	-0.133	-0.001	-6.118	3.668	-2.101	0.472	-0.769	-6.253	0.318	-1.061	-0.230	2.642
8	667	11.667	-0.646	-0.730	-0.133	-0.001	-6.118	3.668	-2.101	0.472	-0.769	-6.253	0.318	-1.061	-0.230	2.642
9	667	11.667	-0.646	-0.730	-0.133	-0.001	-6.118	3.668	-2.101	0.472	-0.769	-6.253	0.318	-1.061	-0.230	2.642
10	667	11.667	-0.646	-0.730	-0.133	-0.001	-6.118	3.668	-2.101	0.472	-0.769	-6.253	0.318	-1.061	-0.230	2.642
Average <sup>f</sup>	797	1.87	3.10	0.155	0.055	0.84	2.82	1.85	59.6	0.000	14.4	74.04	57.70	315.3	94.1	144.8

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is acreage reduction program.

<sup>c</sup>PLD is paid land diversion.

<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.

<sup>e</sup>CRP is conservation reserve program.

<sup>f</sup>1985-89 average level.

Table 35. Barley production: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline				Barley PLD		Barley	Barley	Triple-	Barley	Oat	Wheat	Producer		
	LHS <sup>a</sup>	Barley	Wheat	Oat	Barley	Barley	Payment	Target	Program	Base	Total	Variable	Variable	Price	
	Variable	Price	Price	Price	ARP <sup>b</sup>	PLD <sup>c</sup>	Rate	Price	Yield	Rate <sup>d</sup>	CRP <sup>e</sup>	Costs	Costs	Costs	
	(million acres)									(percent)					
	1 Percent Increase														
1	443	0.000	0.000	0.000	-0.068	-0.007	0.000	-0.619	-0.103	0.023	-0.067	-0.351	0.118	0.133	
2	443	1.113	-0.271	-0.192	-0.068	-0.007	0.000	-0.619	-0.103	0.023	-0.067	-0.351	0.118	0.133	
3	443	1.113	-0.271	-0.192	-0.068	-0.007	0.000	-0.619	-0.103	0.023	-0.067	-0.351	0.118	0.133	
4	443	1.113	-0.271	-0.192	-0.068	-0.007	0.000	-0.619	-0.103	0.023	-0.067	-0.351	0.118	0.133	
5	443	1.113	-0.271	-0.192	-0.068	-0.007	0.000	-0.619	-0.103	0.023	-0.067	-0.351	0.118	0.133	
6	443	1.113	-0.271	-0.192	-0.068	-0.007	0.000	-0.619	-0.103	0.023	-0.067	-0.351	0.118	0.133	
7	443	1.113	-0.271	-0.192	-0.068	-0.007	0.000	-0.619	-0.103	0.023	-0.067	-0.351	0.118	0.133	
8	443	1.113	-0.271	-0.192	-0.068	-0.007	0.000	-0.619	-0.103	0.023	-0.067	-0.351	0.118	0.133	
9	443	1.113	-0.271	-0.192	-0.068	-0.007	0.000	-0.619	-0.103	0.023	-0.067	-0.351	0.118	0.133	
10	443	1.113	-0.271	-0.192	-0.068	-0.007	0.000	-0.619	-0.103	0.023	-0.067	-0.351	0.118	0.133	
Average <sup>f</sup>	483	2.12	3.10	1.62	15.5	5.5	0.71	2.55	48.0	0.0	14.4	66.16	57.52	57.70	315.0
	10 Percent Increase														
1	443	0.000	0.000	0.000	-0.676	-0.074	-0.001	-6.219	-1.032	0.228	-0.674	-3.699	1.180	1.332	0.000
2	443	9.845	-2.719	-1.926	-0.676	-0.074	-0.001	-6.219	-1.032	0.228	-0.674	-3.699	1.180	1.332	0.428
3	443	9.845	-2.719	-1.926	-0.676	-0.074	-0.001	-6.219	-1.032	0.228	-0.674	-3.699	1.180	1.332	0.428
4	443	9.845	-2.719	-1.926	-0.676	-0.074	-0.001	-6.219	-1.032	0.228	-0.674	-3.699	1.180	1.332	0.428
5	443	9.845	-2.719	-1.926	-0.676	-0.074	-0.001	-6.219	-1.032	0.228	-0.674	-3.699	1.180	1.332	0.428
6	443	9.845	-2.719	-1.926	-0.676	-0.074	-0.001	-6.219	-1.032	0.228	-0.674	-3.699	1.180	1.332	0.428
7	443	9.845	-2.719	-1.926	-0.676	-0.074	-0.001	-6.219	-1.032	0.228	-0.674	-3.699	1.180	1.332	0.428
8	443	9.845	-2.719	-1.926	-0.676	-0.074	-0.001	-6.219	-1.032	0.228	-0.674	-3.699	1.180	1.332	0.428
9	443	9.845	-2.719	-1.926	-0.676	-0.074	-0.001	-6.219	-1.032	0.228	-0.674	-3.699	1.180	1.332	0.428
10	443	9.845	-2.719	-1.926	-0.676	-0.074	-0.001	-6.219	-1.032	0.228	-0.674	-3.699	1.180	1.332	0.428
Average <sup>f</sup>	483	2.12	3.10	1.62	0.155	0.055	0.71	2.55	48.0	0.000	14.4	66.16	57.52	57.70	315.0

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is acreage reduction program.

<sup>c</sup>PLD is paid land diversion.

<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.

<sup>e</sup>CRP is conservation reserve program.

<sup>f</sup>1985-89 average level.

Table 36. Oat production: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Baseline		Oat	Corn	Barley	Soybean	Oat	Oat	Oat	Oat	Barley	Corn	Soybean	Oat	Producer		
Year	LHS <sup>a</sup>	Oat Price	Corn Price	Barley Price	Soybean Price	ARP <sup>b</sup> Rate	PLD <sup>c</sup> Rate	Payment Rate	Target Price	Program Yield	Total CRP <sup>d</sup>	Variable Costs	Variable Costs	Variable Costs	Price Index	
	(million bushels)	(percent)														
<b>1 Percent Increase</b>																
1	388	0.000	0.000	0.000	0.000	-0.003	0.000	0.000	0.000	-0.037	0.148	0.146	0.066	-0.435	0.000	
2	386	0.709	-0.236	-0.263	-0.184	-0.003	0.000	0.000	0.000	-0.042	0.171	0.168	0.075	-0.500	0.047	
3	386	0.813	-0.271	-0.301	-0.211	-0.003	-0.001	0.000	0.000	-0.043	0.174	0.171	0.077	-0.510	0.054	
4	386	0.828	-0.276	-0.307	-0.214	-0.003	-0.001	0.000	0.000	-0.043	0.175	0.172	0.077	-0.511	0.055	
5	386	0.830	-0.277	-0.308	-0.215	-0.003	-0.001	0.000	0.000	-0.043	0.175	0.172	0.077	-0.511	0.055	
6	386	0.830	-0.277	-0.308	-0.215	-0.003	-0.001	0.000	0.000	-0.043	0.175	0.172	0.077	-0.511	0.055	
7	386	0.830	-0.277	-0.308	-0.215	-0.003	-0.001	0.000	0.000	-0.043	0.175	0.172	0.077	-0.511	0.055	
8	386	0.830	-0.277	-0.308	-0.215	-0.003	-0.001	0.000	0.000	-0.043	0.175	0.172	0.077	-0.511	0.055	
9	386	0.830	-0.277	-0.308	-0.215	-0.003	-0.001	0.000	0.000	-0.043	0.175	0.172	0.077	-0.511	0.055	
10	386	0.830	-0.277	-0.308	-0.215	-0.003	-0.001	0.000	0.000	-0.043	0.175	0.172	0.077	-0.511	0.055	
Average*	374	1.62	2.11	2.12	5.77	0.115	0.035	0.23	1.57	48.2	14.4	66.16	151.18	65.89	57.52	315.0
<b>10 Percent Increase</b>															96	
1	388	0.000	0.000	0.000	0.000	-0.024	-0.004	-0.001	-0.277	-0.001	-0.369	1.484	1.458	0.655	-4.348	0.000
2	386	7.082	-2.360	-2.627	-1.836	-0.028	-0.005	-0.001	-0.319	-0.001	-0.425	1.708	1.678	0.754	-5.003	0.430
3	386	8.122	-2.707	-3.013	-2.105	-0.029	-0.005	-0.001	-0.325	-0.001	-0.433	1.740	1.710	0.768	-5.099	0.493
4	386	8.275	-2.758	-3.069	-2.145	-0.029	-0.005	-0.001	-0.326	-0.001	-0.434	1.745	1.715	0.770	-5.113	0.502
5	386	8.297	-2.765	-3.078	-2.150	-0.029	-0.005	-0.001	-0.326	-0.001	-0.434	1.745	1.715	0.771	-5.115	0.503
6	386	8.300	-2.766	-3.079	-2.151	-0.029	-0.005	-0.001	-0.326	-0.001	-0.434	1.746	1.716	0.771	-5.115	0.504
7	386	8.301	-2.767	-3.079	-2.151	-0.029	-0.005	-0.001	-0.326	-0.001	-0.434	1.746	1.716	0.771	-5.115	0.504
8	386	8.301	-2.767	-3.079	-2.151	-0.029	-0.005	-0.001	-0.326	-0.001	-0.434	1.746	1.716	0.771	-5.115	0.504
9	386	8.301	-2.767	-3.079	-2.151	-0.029	-0.005	-0.001	-0.326	-0.001	-0.434	1.746	1.716	0.771	-5.115	0.504
10	386	8.301	-2.767	-3.079	-2.151	-0.029	-0.005	-0.001	-0.326	-0.001	-0.434	1.746	1.716	0.771	-5.115	0.504
Average*	374	1.62	2.11	2.12	5.77	0.115	0.035	0.23	1.57	48.2	14.4	66.16	151.18	65.89	57.52	315.0

\*RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is acreage reduction program.

<sup>c</sup>PLD is paid land diversion.

<sup>d</sup>CRP is conservation reserve program.

\*1985-89 average level.

**Table 37. Wheat production: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables**

Year	Baseline LHS <sup>a</sup>	Wheat Price	Barley Price	Sorghum Price	Wheat ARP <sup>b</sup> Rate	Wheat PLD <sup>c</sup> Rate	Wheat Payment Rate	Wheat Target Price	Wheat Program Yield	Triple- Base Rate <sup>d</sup>	Total CRP <sup>e</sup>	Barley Variable Costs	Wheat Variable Costs	Sorghum Variable Costs	Producer Price Index	Fertilizer Price Index
	(million bushels)											(percent)				
<b>1 Percent Increase</b>																
1 2,144 0.000 0.000 0.000 -0.081 -0.010 -0.002 -0.282 -0.089 0.021 -0.046 0.033 -0.129 0.031 0.000 -0.061																
2 2,144 0.651 -0.057 -0.050 -0.081 -0.010 -0.002 -0.282 -0.089 0.021 -0.046 0.033 -0.129 0.031 -0.142 -0.061																
3 2,144 0.651 -0.057 -0.050 -0.081 -0.010 -0.002 -0.282 -0.089 0.021 -0.046 0.033 -0.129 0.031 -0.142 -0.061																
4 2,144 0.651 -0.057 -0.050 -0.081 -0.010 -0.002 -0.282 -0.089 0.021 -0.046 0.033 -0.129 0.031 -0.142 -0.061																
5 2,144 0.651 -0.057 -0.050 -0.081 -0.010 -0.002 -0.282 -0.089 0.021 -0.046 0.033 -0.129 0.031 -0.142 -0.061																
6 2,144 0.651 -0.057 -0.050 -0.081 -0.010 -0.002 -0.282 -0.089 0.021 -0.046 0.033 -0.129 0.031 -0.142 -0.061																
7 2,144 0.651 -0.057 -0.050 -0.081 -0.010 -0.002 -0.282 -0.089 0.021 -0.046 0.033 -0.129 0.031 -0.142 -0.061																
8 2,144 0.651 -0.057 -0.050 -0.081 -0.010 -0.002 -0.282 -0.089 0.021 -0.046 0.033 -0.129 0.031 -0.142 -0.061																
9 2,144 0.651 -0.057 -0.050 -0.081 -0.010 -0.002 -0.282 -0.089 0.021 -0.046 0.033 -0.129 0.031 -0.142 -0.061																
10 2,144 0.651 -0.057 -0.050 -0.081 -0.010 -0.002 -0.282 -0.089 0.021 -0.046 0.033 -0.129 0.031 -0.142 -0.061																
<b>Average<sup>f</sup></b>																
	2,094	3.10	2.12	1.87	0.215	0.035	0.94	4.29	35.0	0.000	14.4	66.16	57.70	74.04	315.0	94.1
<b>10 Percent Increase</b>																
1 2,144 0.000 0.000 0.000 -0.726 -0.095 -0.016 -2.660 -0.882 0.215 -0.460 0.325 -1.314 0.313 0.000 -0.583																
2 2,144 6.500 -0.573 -0.499 -0.726 -0.095 -0.016 -2.660 -0.882 0.215 -0.460 0.325 -1.314 0.313 -1.321 -0.583																
3 2,144 6.500 -0.573 -0.499 -0.726 -0.095 -0.016 -2.660 -0.882 0.215 -0.460 0.325 -1.314 0.313 -1.321 -0.583																
4 2,144 6.500 -0.573 -0.499 -0.726 -0.095 -0.016 -2.660 -0.882 0.215 -0.460 0.325 -1.314 0.313 -1.321 -0.583																
5 2,144 6.500 -0.573 -0.499 -0.726 -0.095 -0.016 -2.660 -0.882 0.215 -0.460 0.325 -1.314 0.313 -1.321 -0.583																
6 2,144 6.500 -0.573 -0.499 -0.726 -0.095 -0.016 -2.660 -0.882 0.215 -0.460 0.325 -1.314 0.313 -1.321 -0.583																
7 2,144 6.500 -0.573 -0.499 -0.726 -0.095 -0.016 -2.660 -0.882 0.215 -0.460 0.325 -1.314 0.313 -1.321 -0.583																
8 2,144 6.500 -0.573 -0.499 -0.726 -0.095 -0.016 -2.660 -0.882 0.215 -0.460 0.325 -1.314 0.313 -1.321 -0.583																
9 2,144 6.500 -0.573 -0.499 -0.726 -0.095 -0.016 -2.660 -0.882 0.215 -0.460 0.325 -1.314 0.313 -1.321 -0.583																
10 2,144 6.500 -0.573 -0.499 -0.726 -0.095 -0.016 -2.660 -0.882 0.215 -0.460 0.325 -1.314 0.313 -1.321 -0.583																
<b>Average<sup>f</sup></b>																
	2,094	3.10	2.12	1.87	0.215	0.035	0.94	4.29	35.0	0.000	14.4	66.16	57.70	74.04	315.0	94.1

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is acreage reduction program.

<sup>c</sup>PLD is paid land diversion.

<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.

<sup>e</sup>CRP is conservation reserve program.

<sup>f</sup>1985-89 average level.

Table 38. Rice production: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable	Farm Rice Price	Rice ARP <sup>b</sup> Rate	Rice PLD <sup>c</sup> Rate	Rice PLD Payment Rate	Rice Target Price	Rice Program Yield	Triple- Base Rate <sup>d</sup>	Rice Variable Costs	Producer Price Index
(million cwt)		(percent)								
<b>1 Percent Increase</b>										
1	144.5	0.000	-0.199	-0.013	0.000	-0.173	-0.076	0.021	-0.204	0.000
2	144.8	0.328	-0.254	-0.017	0.000	-0.221	-0.097	0.026	-0.260	0.025
3	144.9	0.420	-0.269	-0.018	0.000	-0.235	-0.103	0.028	-0.276	0.032
4	144.9	0.445	-0.273	-0.018	0.000	-0.238	-0.105	0.029	-0.280	0.034
5	144.9	0.452	-0.275	-0.018	0.000	-0.240	-0.105	0.029	-0.281	0.034
6	144.9	0.454	-0.275	-0.018	0.000	-0.240	-0.105	0.029	-0.282	0.035
7	144.9	0.455	-0.275	-0.018	0.000	-0.240	-0.105	0.029	-0.282	0.035
8	144.9	0.455	-0.275	-0.018	0.000	-0.240	-0.105	0.029	-0.282	0.035
9	144.9	0.455	-0.275	-0.018	0.000	-0.240	-0.105	0.029	-0.282	0.035
10	144.9	0.455	-0.275	-0.018	0.000	-0.240	-0.105	0.029	-0.282	0.035
Average <sup>e</sup>	142.5	6.48	0.280	0.030	0.70	11.48	4,913	0.000	302.51	315.2
<b>10 Percent Increase</b>										
1	144.5	0.000	-1.946	-0.130	-0.002	-1.576	-0.730	0.210	-2.030	0.000
2	144.8	3.402	-2.486	-0.166	-0.003	-2.013	-0.932	0.268	-2.594	0.250
3	144.9	4.342	-2.637	-0.176	-0.003	-2.135	-0.989	0.284	-2.751	0.319
4	144.9	4.604	-2.679	-0.179	-0.003	-2.169	-1.004	0.289	-2.795	0.338
5	144.9	4.678	-2.691	-0.179	-0.003	-2.179	-1.009	0.290	-2.807	0.344
6	144.9	4.698	-2.694	-0.180	-0.003	-2.181	-1.010	0.290	-2.811	0.345
7	144.9	4.704	-2.695	-0.180	-0.003	-2.182	-1.010	0.290	-2.812	0.346
8	144.9	4.705	-2.695	-0.180	-0.003	-2.182	-1.010	0.290	-2.812	0.346
9	144.9	4.706	-2.695	-0.180	-0.003	-2.182	-1.011	0.290	-2.812	0.346
10	144.9	4.706	-2.695	-0.180	-0.003	-2.182	-1.011	0.290	-2.812	0.346
Average <sup>e</sup>	142.5	6.48	0.280	0.030	0.70	11.48	4,913	0.000	302.51	315.2

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is the acreage reduction program.

<sup>c</sup>PLD is paid land diversion.

<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.

<sup>e</sup>1985-89 average level.

Table 39. Soybean production: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup>	Soybean Variable	Corn Price	Corn ARP <sup>b</sup> Rate	Corn PLD <sup>c</sup> Rate	Corn Payment Rate	Corn Target Price	Corn Program Yield	Triple Based Rate <sup>d</sup>	Total CRP <sup>e</sup>	Corn Variable Costs	Soybean Variable Costs	Producer Price Index
(million bushels) _____ (percent) _____													
<b>1 Percent Increase</b>													
1	1,971	0.000	0.000	0.001	-0.001	-0.001	-0.065	-0.020	0.019	-0.022	0.123	-0.077	0.000
2	1,987	0.214	-0.150	0.001	-0.001	-0.001	-0.098	-0.029	0.028	-0.023	0.185	-0.115	-0.048
3	1,995	0.321	-0.227	0.001	-0.001	-0.001	-0.114	-0.034	0.033	-0.023	0.216	-0.135	-0.070
4	1,999	0.377	-0.267	0.001	-0.001	-0.001	-0.123	-0.037	0.036	-0.023	0.232	-0.145	-0.081
5	2,001	0.406	-0.288	0.001	-0.001	-0.001	-0.128	-0.038	0.037	-0.023	0.241	-0.150	-0.087
6	2,002	0.421	-0.299	0.001	-0.001	-0.001	-0.130	-0.039	0.038	-0.023	0.246	-0.153	-0.090
7	2,003	0.429	-0.305	0.001	-0.001	-0.001	-0.131	-0.039	0.038	-0.024	0.248	-0.154	-0.092
8	2,003	0.433	-0.308	0.001	-0.001	-0.001	-0.132	-0.040	0.038	-0.024	0.249	-0.155	-0.093
9	2,003	0.436	-0.310	0.001	-0.001	-0.001	-0.132	-0.040	0.039	-0.024	0.250	-0.156	-0.093
10	2,004	0.437	-0.310	0.001	-0.001	-0.001	-0.132	-0.040	0.039	-0.024	0.250	-0.156	-0.093
Average <sup>f</sup>	1,890	5.77	2.11	0.155	0.055	0.90	2.97	104.6	0.000	14.4	151.18	65.89	315.3
<b>10 Percent Increase</b>													
1	1,971	0.000	0.000	0.007	-0.006	-0.007	-0.603	-0.191	0.189	-0.222	1.271	-0.769	0.000
2	1,987	2.121	-1.420	0.011	-0.009	-0.010	-0.906	-0.287	0.284	-0.228	1.900	-1.156	-0.437
3	1,995	3.162	-2.157	0.012	-0.011	-0.012	-1.062	-0.337	0.332	-0.232	2.220	-1.356	-0.639
4	1,999	3.697	-2.543	0.013	-0.011	-0.013	-1.144	-0.362	0.357	-0.234	2.386	-1.460	-0.744
5	2,001	3.974	-2.745	0.014	-0.012	-0.014	-1.186	-0.376	0.371	-0.235	2.472	-1.514	-0.799
6	2,002	4.120	-2.851	0.014	-0.012	-0.014	-1.208	-0.383	0.378	-0.235	2.518	-1.542	-0.827
7	2,003	4.196	-2.907	0.014	-0.012	-0.014	-1.220	-0.386	0.381	-0.235	2.542	-1.557	-0.843
8	2,003	4.236	-2.937	0.014	-0.012	-0.014	-1.226	-0.388	0.383	-0.236	2.554	-1.565	-0.850
9	2,003	4.257	-2.552	0.014	-0.012	-0.014	-1.229	-0.389	0.384	-0.236	2.561	-1.569	-0.855
10	2,004	4.268	-2.960	0.014	-0.012	-0.014	-1.231	-0.390	0.385	-0.236	2.564	-1.572	-0.857
Average <sup>f</sup>	1,890	5.77	2.11	0.155	0.055	0.90	2.97	104.6	0.000	14.4	151.18	65.89	315.3

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>ARP is the acreage reduction program.<sup>c</sup>PLD is paid land diversion.<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.<sup>e</sup>CRP is the conservation reserve program.<sup>f</sup>1985-89 average level.

**Table 40. Soybean meal production: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables**

<b>Year</b>	<b>Baseline LHS<sup>a</sup> Variable</b>	<b>Soybean Meal Price</b>	<b>Soybean Price</b>	<b>Soybean Oil Price</b>	<b>Producer Price Index</b>
	(1,000 tons)			(percent)	
<b>1 Percent Increase</b>					
1	26,664	0.660	-0.846	0.323	-0.136
2	26,975	1.033	-1.323	0.505	-0.213
3	27,156	1.245	-1.595	0.609	-0.257
4	27,261	1.367	-1.752	0.669	-0.282
5	27,322	1.438	-1.842	0.704	-0.296
6	27,357	1.479	-1.895	0.724	-0.305
7	27,378	1.503	-1.925	0.735	-0.510
8	27,390	1.516	-1.943	0.742	-0.313
9	27,397	1.524	-1.953	0.746	-0.314
10	27,401	1.529	-1.959	0.748	-0.315
<b>Average<sup>b</sup></b>	<b>26,686</b>	<b>189.25</b>	<b>5.77</b>	<b>19.89</b>	<b>315.3</b>
<b>10 Percent Increase</b>					
1	26,664	6.605	-8.462	3.232	-1.250
2	26,975	10.325	-13.229	5.053	-1.954
3	27,156	12.450	-15.950	6.093	-2.356
4	27,261	13.672	-17.517	6.691	-2.588
5	27,322	14.379	-18.422	7.037	-2.721
6	27,357	14.788	-18.947	7.237	-2.799
7	27,378	15.026	-19.251	7.354	-2.844
8	27,390	15.164	-19.428	7.421	-2.870
9	27,397	15.244	-19.531	7.460	-2.885
10	27,401	15.291	-19.591	7.483	-2.894
<b>Average<sup>b</sup></b>	<b>26,686</b>	<b>189.25</b>	<b>5.77</b>	<b>19.89</b>	<b>315.3</b>

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>1985-89 average level.

Table 41. Soybean oil production: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable (million pounds)	Soybean Oil Price	Soybean Price	Soybean Meal Price	Producer Price Index
(percent)					
<b>1 Percent Increase</b>					
1	12,416	0.323	-0.846	0.660	-0.136
2	12,561	0.505	-1.323	1.033	-0.213
3	12,645	0.609	-1.595	1.245	-0.257
4	12,694	0.669	-1.752	1.367	-0.282
5	12,722	0.704	-1.842	1.438	-0.296
6	12,739	0.724	-1.895	1.479	-0.305
7	12,748	0.735	-1.925	1.503	-0.310
8	12,754	0.742	-1.943	1.516	-0.313
9	12,757	0.746	-1.953	1.524	-0.314
10	12,759	0.748	-1.959	1.529	-0.315
<b>Average<sup>b</sup></b>	<b>12,423</b>	<b>19.89</b>	<b>5.77</b>	<b>189.25</b>	<b>315.3</b>
<b>10 Percent Increase</b>					
1	12,416	3.232	-8.462	6.605	-1.250
2	12,561	5.053	-13.229	10.325	-1.954
3	12,645	6.093	-15.950	12.450	-2.356
4	12,694	6.691	-17.517	13.672	-2.588
5	12,722	7.037	-18.422	14.379	-2.721
6	12,739	7.237	-18.947	14.788	-2.799
7	12,748	7.354	-19.251	15.026	-2.844
8	12,754	7.421	-19.428	15.164	-2.870
9	12,757	7.460	-19.531	15.244	-2.885
10	12,759	7.483	-19.591	15.291	-2.894
<b>Average<sup>b</sup></b>	<b>12,423</b>	<b>19.89</b>	<b>5.77</b>	<b>189.25</b>	<b>315.3</b>

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>1985-89 average level.

Table 42. Sugar production: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable (1,000 tons)	New York Raw Sugar Price	Oat Price	Soybean Price	GDP <sup>b</sup> Deflator
<b>1 Percent Increase</b>					
1	6,700	0.000	0.000	0.000	0.000
2	6,804	0.065	-0.029	-0.025	-0.010
3	6,853	0.137	-0.060	-0.052	-0.025
4	6,873	0.155	-0.067	-0.058	-0.030
5	6,882	0.161	-0.069	-0.059	-0.032
6	6,886	0.162	-0.069	-0.060	-0.033
7	6,888	0.163	-0.069	-0.060	-0.034
8	6,890	0.163	-0.069	-0.060	-0.034
9	6,890	0.164	-0.069	-0.060	-0.034
10	6,890	0.164	-0.069	-0.060	-0.034
Average <sup>c</sup>	6,694	21.61	1.62	5.77	137.6
<b>10 Percent Increase</b>					
1	6,700	0.000	0.000	0.000	0.000
2	6,804	0.647	-0.291	-0.251	-0.096
3	6,853	1.375	-0.604	-0.520	-0.227
4	6,873	1.555	-0.674	-0.581	-0.272
5	6,882	1.608	-0.690	-0.594	-0.293
6	6,886	1.626	-0.693	-0.597	-0.304
7	6,888	1.633	-0.694	-0.598	-0.309
8	6,890	1.636	-0.694	-0.598	-0.311
9	6,890	1.637	-0.694	-0.598	-0.313
10	6,890	1.638	-0.694	-0.598	-0.313
Average <sup>c</sup>	6,694	21.61	1.62	5.77	137.6

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>GDP is gross domestic product.<sup>c</sup>1985-89 average level.

Table 43. Corn feed demand: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline		Sorghum Price	Barley Price	Oat Price	Soybean Meal Price	Producer Price Index	Cattle on Feed 3rd Quarter	GCAU <sup>b</sup>	GCAU Price Index
	LHS <sup>a</sup> Variable	Corn Price								
<b>1 Percent Increase</b>										
1	4,430	-0.181	0.004	0.045	0.006	0.009	0.123	-0.021	-0.034	1.068
2	4,434	-0.189	0.004	0.045	0.010	0.009	0.123	-0.022	-0.033	1.067
3	4,436	-0.190	0.003	0.045	0.012	0.009	0.123	-0.023	-0.033	1.067
4	4,437	-0.191	0.003	0.045	0.014	0.009	0.123	-0.023	-0.033	1.066
5	4,438	-0.192	0.003	0.045	0.014	0.009	0.123	-0.023	-0.033	1.066
6	4,439	-0.192	0.003	0.045	0.015	0.009	0.123	-0.023	-0.033	1.066
7	4,439	-0.192	0.003	0.045	0.015	0.009	0.123	-0.023	-0.033	1.066
8	4,439	-0.192	0.003	0.045	0.015	0.009	0.123	-0.023	-0.033	1.066
9	4,439	-0.192	0.003	0.045	0.015	0.009	0.123	-0.023	-0.033	1.066
10	4,440	-0.192	0.003	0.045	0.016	0.009	0.123	-0.024	-0.033	1.066
Average <sup>c</sup>	4,413	2.11	3.10	1.87	2.12	1.62	189.25	315.3	8.778	106.2
<b>10 Percent Increase</b>										
1	4,430	-1.809	0.040	0.446	0.062	0.091	1.232	-0.191	-0.335	10.680
2	4,434	-1.890	0.037	0.446	0.099	0.900	1.231	-0.201	-0.335	10.671
3	4,436	-1.903	0.035	0.445	0.122	0.090	1.230	-0.207	-0.335	10.666
4	4,437	-1.911	0.034	0.445	0.135	0.090	1.230	-0.211	-0.334	10.663
5	4,438	-1.916	0.033	0.445	0.144	0.090	1.229	-0.213	-0.334	10.661
6	4,439	-1.919	0.033	0.445	0.149	0.090	1.229	-0.214	-0.334	10.660
7	4,439	-1.920	0.032	0.445	0.152	0.090	1.229	-0.215	-0.334	10.659
8	4,439	-1.921	0.032	0.445	0.154	0.090	1.229	-0.215	-0.334	10.658
9	4,439	-1.922	0.032	0.445	0.155	0.090	1.229	-0.216	-0.334	10.658
10	4,440	-1.922	0.032	0.445	0.156	0.090	1.229	-0.216	-0.334	10.656
Average <sup>c</sup>	4,413	2.11	3.10	1.87	2.12	1.62	189.25	315.3	8.778	106.2

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>GCAU is a grain-consuming animal unit.

<sup>c</sup>1985-89 average level.

Table 44. Sorghum feed demand: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable (million bushels)	Sorghum Price	Corn Price	Wheat Price	Producer Price Index	Cattle on Feed 3rd Quarter
<b>1 Percent Increase</b>						
1	547	-1.265	0.677	0.370	0.215	0.453
2	547	-1.265	0.677	0.370	0.215	0.453
3	547	-1.265	0.677	0.370	0.215	0.453
4	547	-1.265	0.677	0.370	0.215	0.453
5	547	-1.265	0.677	0.370	0.215	0.453
6	547	-1.265	0.677	0.370	0.215	0.453
7	547	-1.265	0.677	0.370	0.215	0.453
8	547	-1.265	0.677	0.370	0.215	0.453
9	547	-1.265	0.677	0.370	0.215	0.453
10	547	-1.265	0.677	0.370	0.215	0.453
Average <sup>b</sup>	548	1.87	2.11	3.10	315.3	8.778
<b>10 Percent Increase</b>						
1	547	-12.646	6.771	3.701	1.977	4.533
2	547	-12.646	6.771	3.701	1.977	4.533
3	547	-12.646	6.771	3.701	1.977	4.533
4	547	-12.646	6.771	3.701	1.977	4.533
5	547	-12.646	6.771	3.701	1.977	4.533
6	547	-12.646	6.771	3.701	1.977	4.533
7	547	-12.646	6.771	3.701	1.977	4.533
8	547	-12.646	6.771	3.701	1.977	4.533
9	547	-12.646	6.771	3.701	1.977	4.533
10	547	-12.646	6.771	3.701	1.977	4.533
Average <sup>b</sup>	548	1.87	2.11	3.10	315.3	8.778

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>1985-89 average level.

Table 45. Barley feed demand: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline				Producer
	LHS <sup>a</sup> Variable (million bushels)	Barley Price	Corn Price	Wheat Price	Price Index
<b>1 Percent Increase</b>					
1	246	-0.453	0.280	0.038	0.134
2	231	-0.776	0.480	0.065	0.229
3	222	-0.993	0.614	0.083	0.293
4	216	-1.134	0.702	0.095	0.334
5	213	-1.224	0.757	0.103	0.360
6	211	-1.279	0.791	0.107	0.377
7	210	-1.314	0.813	0.110	0.387
8	209	-1.335	0.826	0.112	0.393
9	209	-1.348	0.834	0.113	0.397
10	208	-1.356	0.839	0.114	0.399
Average <sup>b</sup>	246	2.12	2.11	3.10	315.0
<b>10 Percent Increase</b>					
1	246	-4.532	2.804	0.380	1.226
2	231	-7.758	4.800	0.651	2.098
3	222	-9.932	6.144	0.833	2.686
4	216	-11.343	7.017	0.951	3.068
5	213	-12.237	7.570	1.026	3.309
6	211	-12.794	7.915	1.073	3.460
7	210	-13.139	8.128	1.102	3.553
8	209	-13.350	8.259	1.120	3.611
9	209	-13.479	8.339	1.130	3.646
10	208	-13.558	8.388	1.137	3.667
Average <sup>b</sup>	246	2.12	2.11	3.10	315.0

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>1985-89 average level.

Table 46. Oats feed demand: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline			Producer
	LHS <sup>a</sup> Variable (million bushels)	Oat Price	Corn Price	Price Index
<b>1 Percent Increase</b>				
1	333	-0.738	0.268	0.466
2	333	-0.738	0.268	0.466
3	333	-0.738	0.268	0.466
4	333	-0.738	0.268	0.466
5	333	-0.738	0.268	0.466
6	333	-0.738	0.268	0.466
7	333	-0.738	0.268	0.466
8	333	-0.738	0.268	0.466
9	333	-0.738	0.268	0.466
10	333	-0.738	0.268	0.466
Average <sup>b</sup>	334	1.62	2.11	315.0
<b>10 Percent Increase</b>				
1	333	-7.384	2.675	4.281
2	333	-7.384	2.675	4.281
3	333	-7.384	2.675	4.281
4	333	-7.384	2.675	4.281
5	333	-7.384	2.675	4.281
6	333	-7.384	2.675	4.281
7	333	-7.384	2.675	4.281
8	333	-7.384	2.675	4.281
9	333	-7.384	2.675	4.281
10	333	-7.384	2.675	4.281
Average <sup>b</sup>	334	1.62	2.11	315.0

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>1985-89 average level.

Table 47. Wheat feed demand: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline			Producer		Cattle
	LHS <sup>a</sup> Variable	Wheat Price	Corn Price	Price Index	GCAU <sup>b</sup>	on Feed 3rd Quarter
(million bushels)						(percent)
<b>1 Percent Increase</b>						
1	254	-1.004	0.339	0.323	0.605	1.001
2	254	-1.004	0.677	0.323	0.605	1.001
3	254	-1.004	0.677	0.323	0.605	1.001
4	254	-1.004	0.677	0.323	0.605	1.001
5	254	-1.004	0.677	0.323	0.605	1.001
6	254	-1.004	0.677	0.323	0.605	1.001
7	254	-1.004	0.677	0.323	0.605	1.001
8	254	-1.004	0.677	0.323	0.605	1.001
9	254	-1.004	0.677	0.323	0.605	1.001
10	254	-1.004	0.677	0.323	0.605	1.001
Average <sup>c</sup>	257	3.10	2.11	315.0	106.2	8.778
<b>10 Percent Increase</b>						
1	254	-10.040	3.387	2.970	6.055	10.007
2	254	-10.040	6.774	2.970	6.055	10.007
3	254	-10.040	6.774	2.970	6.055	10.007
4	254	-10.040	6.774	2.970	6.055	10.007
5	254	-10.040	6.774	2.970	6.055	10.007
6	254	-10.040	6.774	2.970	6.055	10.007
7	254	-10.040	6.774	2.970	6.055	10.007
8	254	-10.040	6.774	2.970	6.055	10.007
9	254	-10.040	6.774	2.970	6.055	10.007
10	254	-10.040	6.774	2.970	6.055	10.007
Average <sup>c</sup>	257	3.10	2.11	315.0	106.2	8.778

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>GCAU is a grain-consuming animal unit.<sup>c</sup>1985-89 average level.

**Table 48. Soybean meal feed demand: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables**

Year	Baseline LHS <sup>a</sup> Variable	Soybean Meal Price	Corn Price	Producer Price Index	HPAU <sup>b</sup>	HPAU Price Index	Soybean Production <i>t + 1</i>
	(1,000 tons)	(percent)					
<b>1 Percent Increase</b>							
1	20,601	-0.097	0.027	-0.123	1.186	0.194	-0.190
2	20,601	-0.097	0.027	-0.123	1.186	0.194	-0.190
3	20,601	-0.097	0.027	-0.123	1.186	0.194	-0.190
4	20,601	-0.097	0.027	-0.123	1.186	0.194	-0.190
5	20,601	-0.097	0.027	-0.123	1.186	0.194	-0.190
6	20,601	-0.097	0.027	-0.123	1.186	0.194	-0.190
7	20,601	-0.097	0.027	-0.123	1.186	0.194	-0.190
8	20,601	-0.097	0.027	-0.123	1.186	0.194	-0.190
9	20,601	-0.097	0.027	-0.123	1.186	0.194	-0.190
10	20,601	-0.097	0.027	-0.123	1.186	0.194	-0.190
Average <sup>c</sup>	20,595	189.25	2.11	315.3	110.9	1.015	1,890
<b>10 Percent Increase</b>							
1	20,601	-0.967	0.274	-1.129	11.858	1.935	-1.905
2	20,601	-0.967	0.274	-1.129	11.858	1.935	-1.905
3	20,601	-0.967	0.274	-1.129	11.858	1.935	-1.905
4	20,601	-0.967	0.274	-1.129	11.858	1.935	-1.905
5	20,601	-0.967	0.274	-1.129	11.858	1.935	-1.905
6	20,601	-0.967	0.274	-1.129	11.858	1.935	-1.905
7	20,601	-0.967	0.274	-1.129	11.858	1.935	-1.905
8	20,601	-0.967	0.274	-1.129	11.858	1.935	-1.905
9	20,601	-0.967	0.274	-1.129	11.858	1.935	-1.905
10	20,601	-0.967	0.274	-1.129	11.858	1.935	-1.905
Average <sup>c</sup>	20,595	189.25	2.11	315.3	110.9	1.015	1,890

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>HPAU is a high-protein-consuming animal unit.<sup>c</sup>1985-89 average level.

Table 49. Corn food demand: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable (million bushels)	Corn Price	Wheat Price	Refined Sugar Price	Per Capita Consumer Expenditure	Population
				(percent)		
<b>1 Percent Increase</b>						
1	906	-0.076	0.033	0.042	0.413	1.000
2	906	-0.076	0.033	0.042	0.413	1.000
3	906	-0.076	0.033	0.042	0.413	1.000
4	906	-0.076	0.033	0.042	0.413	1.000
5	906	-0.076	0.033	0.042	0.413	1.000
6	906	-0.076	0.033	0.042	0.413	1.000
7	906	-0.076	0.033	0.042	0.413	1.000
8	906	-0.076	0.033	0.042	0.413	1.000
9	906	-0.076	0.033	0.042	0.413	1.000
10	906	-0.076	0.033	0.042	0.413	1.000
Average <sup>b</sup>	906	2.11	3.10	36.47	10.40	244.0
<b>10 Percent Increase</b>						
1	906	-0.756	0.321	0.399	3.957	10.000
2	906	-0.756	0.321	0.399	3.957	10.000
3	906	-0.756	0.321	0.399	3.957	10.000
4	906	-0.756	0.321	0.399	3.957	10.000
5	906	-0.756	0.321	0.399	3.957	10.000
6	906	-0.756	0.321	0.399	3.957	10.000
7	906	-0.756	0.321	0.399	3.957	10.000
8	906	-0.756	0.321	0.399	3.957	10.000
9	906	-0.756	0.321	0.399	3.957	10.000
10	906	-0.756	0.321	0.399	3.957	10.000
Average <sup>b</sup>	906	2.11	3.10	36.47	10.40	244.0

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>1985-89 average level.

Table 50. Corn processing demand for ethanol: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline	Corn Price	Fuel Price Index
	LHS <sup>a</sup> Variable	(million bushels)	(percent)
<b>1 Percent Increase</b>			
1	300	-0.068	0.067
2	300	-0.068	0.067
3	300	-0.068	0.067
4	300	-0.068	0.067
5	300	-0.068	0.067
6	300	-0.068	0.067
7	300	-0.068	0.067
8	300	-0.068	0.067
9	300	-0.068	0.067
10	300	-0.068	0.067
Average <sup>b</sup>	298	2.11	498.2
<b>10 Percent Increase</b>			
1	300	-0.676	0.614
2	300	-0.676	0.614
3	300	-0.676	0.614
4	300	-0.676	0.614
5	300	-0.676	0.614
6	300	-0.676	0.614
7	300	-0.676	0.614
8	300	-0.676	0.614
9	300	-0.676	0.614
10	300	-0.676	0.614
Average <sup>b</sup>	298	2.11	498.2

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>1985-89 average level.

Table 51. Barley food and industrial demand: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable (million bushels)	Barley Price	Producer Price Index	Per Capita Consumer Expenditure (percent)	Population
<b>1 Percent Increase</b>					
1	175	-0.012	0.011	0.305	1.000
2	175	-0.012	0.011	0.305	1.000
3	175	-0.012	0.011	0.305	1.000
4	175	-0.012	0.011	0.305	1.000
5	175	-0.012	0.011	0.305	1.000
6	175	-0.012	0.011	0.305	1.000
7	175	-0.012	0.011	0.305	1.000
8	175	-0.012	0.011	0.305	1.000
9	175	-0.012	0.011	0.305	1.000
10	175	-0.012	0.011	0.305	1.000
Average <sup>b</sup>	175	2.12	315.0	10.37	244.0
<b>10 Percent Increase</b>					
1	175	-0.116	0.105	2.924	10.000
2	175	-0.116	0.105	2.924	10.000
3	175	-0.116	0.105	2.924	10.000
4	175	-0.116	0.105	2.924	10.000
5	175	-0.116	0.105	2.924	10.000
6	175	-0.116	0.105	2.924	10.000
7	175	-0.116	0.105	2.924	10.000
8	175	-0.116	0.105	2.924	10.000
9	175	-0.116	0.105	2.924	10.000
10	175	-0.116	0.105	2.924	10.000
Average <sup>b</sup>	175	2.12	315.0	10.37	244.0

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>1985-89 average level.

Table 52. Oat, food, seed, and industrial demand: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable	Oat Price	Oat Planted Area, $t + 1$	Per Capita Consumer Expenditure	Producer Price Index	Producer Population
	(million bushels)	(percent)				
<b>1 Percent Increase</b>						
1	91	-0.040	0.192	-1.005	0.040	1.000
2	91	-0.040	0.192	-1.005	0.040	1.000
3	91	-0.040	0.192	-1.005	0.040	1.000
4	91	-0.040	0.192	-1.005	0.040	1.000
5	91	-0.040	0.192	-1.005	0.040	1.000
6	91	-0.040	0.192	-1.005	0.040	1.000
7	91	-0.040	0.192	-1.005	0.040	1.000
8	91	-0.040	0.192	-1.005	0.040	1.000
9	91	-0.040	0.192	-1.005	0.040	1.000
10	91	-0.040	0.192	-1.005	0.040	1.000
Average <sup>b</sup>	91	1.62	14.4	10.37	315.0	244.0
<b>10 Percent Increase</b>						
1	91	-0.403	1.922	-9.630	0.367	10.000
2	91	-0.403	1.922	-9.630	0.367	10.000
3	91	-0.403	1.922	-9.630	0.367	10.000
4	91	-0.403	1.922	-9.630	0.367	10.000
5	91	-0.403	1.922	-9.630	0.367	10.000
6	91	-0.403	1.922	-9.630	0.367	10.000
7	91	-0.403	1.922	-9.630	0.367	10.000
8	91	-0.403	1.922	-9.630	0.367	10.000
9	91	-0.403	1.922	-9.630	0.367	10.000
10	91	-0.403	1.922	-9.630	0.367	10.000
Average <sup>b</sup>	91	1.62	14.4	10.37	315.0	244.0

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>1985-89 average level.

Table 53. Wheat food and other demand: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable	Wheat Price	Producer Price Index	Per Capita Consumer Expenditure	Population
	(million bushels)			(percent)	
<b>1 Percent Increase</b>					
1	711	-0.017	0.017	0.120	1.000
2	711	-0.017	0.017	0.120	1.000
3	711	-0.017	0.017	0.120	1.000
4	711	-0.017	0.017	0.120	1.000
5	711	-0.017	0.017	0.120	1.000
6	711	-0.017	0.017	0.120	1.000
7	711	-0.017	0.017	0.120	1.000
8	711	-0.017	0.017	0.120	1.000
9	711	-0.017	0.017	0.120	1.000
10	711	-0.017	0.017	0.120	1.000
Average <sup>b</sup>	711	3.10	315.0	10.37	244.0
<b>10 Percent Increase</b>					
1	711	-0.170	0.155	1.151	10.000
2	711	-0.170	0.155	1.151	10.000
3	711	-0.170	0.155	1.151	10.000
4	711	-0.170	0.155	1.151	10.000
5	711	-0.170	0.155	1.151	10.000
6	711	-0.170	0.155	1.151	10.000
7	711	-0.170	0.155	1.151	10.000
8	711	-0.170	0.155	1.151	10.000
9	711	-0.170	0.155	1.151	10.000
10	711	-0.170	0.155	1.151	10.000
Average <sup>b</sup>	711	3.10	315.0	10.37	244.0

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>1985-89 average level.

Table 54. Rice food demand: Impacts of a one percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable (million cwt)	Rice Wholesale Price	Wheat Price	Producer Price Index	Per Capita Consumer Expenditure	Population
<b>1 Percent Increase</b>						
1	53.8	-0.073	0.086	-0.013	0.257	1.000
2	55.4	-0.100	0.018	-0.118	0.353	1.000
3	56.0	-0.111	0.131	-0.020	0.390	1.000
4	56.3	-0.115	0.136	-0.020	0.405	1.000
5	56.4	-0.117	0.138	-0.021	0.412	1.000
6	56.4	-0.118	0.138	-0.021	0.414	1.000
7	56.5	-0.118	0.139	-0.021	0.415	1.000
8	56.5	-0.118	0.139	-0.021	0.416	1.000
9	56.5	-0.118	0.139	-0.021	0.416	1.000
10	56.5	-0.118	0.139	-0.021	0.416	1.000
Average <sup>b</sup>	53.9	16.51	3.10	315.2	10.39	244.0
<b>10 Percent Increase</b>						
1	53.8	-0.733	0.862	-0.119	2.574	10.000
2	55.4	-1.004	1.180	-0.163	3.525	10.000
3	56.0	-1.111	1.305	-0.180	3.902	10.000
4	56.3	-1.155	1.356	-0.187	4.055	10.000
5	56.4	-1.172	1.376	-0.190	4.116	10.000
6	56.4	-1.179	1.385	-0.191	4.141	10.000
7	56.5	-1.182	1.388	-0.192	4.152	10.000
8	56.5	-1.184	1.390	-0.192	4.158	10.000
9	56.5	-1.184	1.390	-0.192	4.158	10.000
10	56.5	-1.184	1.391	-0.192	4.158	10.000
Average <sup>b</sup>	53.9	16.51	3.10	315.2	10.39	244.0

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>1985-89 average level.

Table 55. Rice brewing demand: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable	Rice Wholesale Price	Barley Price	Producer Price Index	Per Capita Consumer Expenditure	Population
	(million cwt)	(percent)				
<b>1 Percent Increase</b>						
1	15.1	-0.026	0.026	0.000	1.075	1.000
2	15.2	-0.036	0.036	0.000	1.472	1.000
3	15.2	-0.040	0.039	0.000	1.620	1.000
4	15.2	-0.041	0.041	0.000	1.676	1.000
5	15.2	-0.042	0.041	0.000	1.696	1.000
6	15.2	-0.042	0.041	0.000	1.704	1.000
7	15.2	-0.042	0.041	0.000	1.707	1.000
8	15.2	-0.042	0.042	0.000	1.708	1.000
9	15.2	-0.042	0.042	0.000	1.709	1.000
10	15.2	-0.042	0.042	0.000	1.709	1.000
<b>Average<sup>b</sup></b>	<b>15.2</b>	<b>16.51</b>	<b>2.12</b>	<b>315.2</b>	<b>10.39</b>	<b>244.0</b>
<b>10 Percent Increase</b>						
1	15.1	-0.264	0.261	0.003	10.755	10.000
2	15.2	-0.362	0.358	0.004	14.723	10.000
3	15.2	-0.398	0.394	0.004	16.203	10.000
4	15.2	-0.412	0.407	0.004	16.757	10.000
5	15.2	-0.417	0.412	0.004	16.965	10.000
6	15.2	-0.419	0.414	0.004	17.043	10.000
7	15.2	-0.419	0.415	0.004	17.072	10.000
8	15.2	-0.420	0.415	0.004	17.083	10.000
9	15.2	-0.420	0.415	0.004	17.087	10.000
10	15.2	-0.420	0.415	0.004	17.089	10.000
<b>Average<sup>b</sup></b>	<b>15.1</b>	<b>16.51</b>	<b>2.12</b>	<b>315.2</b>	<b>10.39</b>	<b>244.0</b>

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>1985-89 average level.

Table 56. Soybean processing demand (crush): Impacts of a 1 percent increase and a 10 percent increase in RHS variables

Year	Baseline LHS <sup>a</sup> Variable (million bushels)	Soybean Price	Soybean Meal Price	Soybean Oil Price	Producer Price Index
			(percent)		
<b>1 Percent Increase</b>					
1	1,121	-0.846	0.660	0.323	-0.136
2	1,134	-1.323	1.033	0.505	-0.213
3	1,142	-1.595	1.245	0.609	-0.257
4	1,146	-1.752	1.367	0.669	-0.282
5	1,149	-1.842	1.438	0.704	-0.296
6	1,150	-1.895	1.479	0.724	-0.305
7	1,151	-1.925	1.503	0.735	-0.310
8	1,152	-1.943	1.516	0.742	-0.313
9	1,152	-1.953	1.524	0.746	-0.314
10	1,152	-1.959	1.529	0.748	-0.315
Average <sup>b</sup>	1,122	5.77	189.25	19.89	315.3
<b>10 Percent Increase</b>					
1	1,121	-8.462	6.605	3.232	-1.250
2	1,134	-13.229	10.325	5.053	-1.954
3	1,142	-15.950	12.450	6.093	-2.356
4	1,146	-17.517	13.672	6.691	-2.588
5	1,149	-18.422	14.379	7.037	-2.721
6	1,150	-18.947	14.788	7.237	-2.799
7	1,151	-19.251	15.026	7.354	-2.844
8	1,152	-19.428	15.164	7.421	-2.870
9	1,152	-19.531	15.244	7.460	-2.885
10	1,152	-19.591	15.291	7.483	-2.894
Average <sup>b</sup>	1,122	5.77	189.25	19.89	315.3

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>1985-89 average level.

Table 57. Soybean oil food demand (crush): Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable	Soybean Oil Price	Producer Price Index	Per Capita Consumer Expenditure	Population
	(million pounds)			(percent)	
<b>1 Percent Increase</b>					
1	10,879	-0.061	0.060	0.411	1.000
2	10,879	-0.067	0.060	0.411	1.000
3	10,879	-0.067	0.060	0.411	1.000
4	10,879	-0.067	0.060	0.411	1.000
5	10,879	-0.067	0.060	0.411	1.000
6	10,879	-0.067	0.060	0.411	1.000
7	10,879	-0.067	0.060	0.411	1.000
8	10,879	-0.067	0.060	0.411	1.000
9	10,879	-0.067	0.060	0.411	1.000
10	10,879	-0.067	0.060	0.411	1.000
Average <sup>b</sup>	10,878	19.89	315.3	10.40	244.0
<b>10 Percent Increase</b>					
1	10,879	-6.08	0.553	3.938	10.000
2	10,879	-6.70	0.609	3.938	10.000
3	10,879	-6.70	0.609	3.938	10.000
4	10,879	-6.70	0.609	3.938	10.000
5	10,879	-6.70	0.609	3.938	10.000
6	10,879	-6.70	0.609	3.938	10.000
7	10,879	-6.70	0.609	3.938	10.000
8	10,879	-6.70	0.609	3.938	10.000
9	10,879	-6.70	0.609	3.938	10.000
10	10,879	-6.70	0.609	3.938	10.000
Average <sup>b</sup>	10,878	19.89	315.3	10.40	244.0

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>1985-89 average level.

**Table 58. Sugar food demand: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables**

Year	Baseline LHS <sup>a</sup> Variable	Refined Sugar Price	Corn Price	GDP <sup>b</sup> Deflator	Population
	(1,000 tons)	(percent)			
<b>1 Percent Increase</b>					
1	8,177	-0.108	0.044	0.106	1.752
2	8,151	-0.136	0.051	0.131	1.736
3	8,150	-0.143	0.052	0.137	1.731
4	8,151	-0.144	0.052	0.138	1.729
5	8,151	-0.145	0.052	0.139	1.729
6	8,152	-0.145	0.052	0.139	1.729
7	8,152	-0.145	0.052	0.139	1.729
8	8,152	-0.145	0.052	0.139	1.729
9	8,152	-0.145	0.052	0.139	1.729
10	8,152	-0.145	0.052	0.139	1.729
Average <sup>c</sup>	8,178	36.47	2.11	137.6	241.8
<b>10 Percent Increase</b>					
1	8,177	-1.084	0.441	0.973	17.523
2	8,151	-1.345	0.514	1.208	17.359
3	8,150	-1.405	0.525	1.261	17.308
4	8,151	-1.419	0.526	1.273	17.294
5	8,151	-1.422	0.526	1.276	17.290
6	8,152	-1.423	0.525	1.277	17.289
7	8,152	-1.423	0.525	1.277	17.288
8	8,152	-1.423	0.525	1.277	17.288
9	8,152	-1.423	0.525	1.277	17.288
10	8,152	-1.423	0.525	1.277	17.288
Average <sup>c</sup>	8,178	36.47	2.11	137.6	241.8

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>GDP is gross domestic product.<sup>c</sup>1985-89 average level.

**Table 59. Corn total stocks: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables**

Year	Baseline											Corn	Soybean	Producer	Fertilizer	Corn	Corn	Corn									
	LHS <sup>a</sup>	Variable	Corn Price	Soybean Price	Corn ARP <sup>b</sup>	Corn PLD <sup>c</sup>	Corn Payment Rate	Corn Target Rate	Corn Loan Rate	Corn Program Yield	Triple-Base Rate <sup>d</sup>	Total CRP <sup>e</sup>	Variable Costs	Variable Costs	Price Index	Price Index	Production t + 1	CCC <sup>f</sup> Stocks	FOR <sup>g</sup> Stocks								
(million bushels)										(percent)																	
1	3,057	-0.613	0.000	-0.058	-0.009	0.002	0.140	0.528	0.041	-0.009	-0.004	0.000	0.008	0.105	-0.007	-0.157	0.155	0.201									
2	3,057	-0.699	-0.022	-0.058	-0.009	0.002	0.140	0.528	0.041	-0.009	-0.004	0.000	0.008	0.073	-0.007	0.254	0.155	0.201									
3	3,057	-0.699	-0.022	-0.058	-0.009	0.002	0.140	0.528	0.041	-0.009	-0.004	0.000	0.008	0.073	-0.007	0.254	0.155	0.201									
4	3,057	-0.699	-0.022	-0.058	-0.009	0.002	0.140	0.528	0.041	-0.009	-0.004	0.000	0.008	0.073	-0.007	0.254	0.155	0.201									
5	3,057	-0.699	-0.022	-0.058	-0.009	0.002	0.140	0.528	0.041	-0.009	-0.004	0.000	0.008	0.073	-0.007	0.254	0.155	0.201									
6	3,057	-0.699	-0.022	-0.058	-0.009	0.002	0.140	0.528	0.041	-0.009	-0.004	0.000	0.008	0.073	-0.007	0.254	0.155	0.201									
7	3,057	-0.699	-0.022	-0.058	-0.009	0.002	0.140	0.528	0.041	-0.009	-0.004	0.000	0.008	0.073	-0.007	0.254	0.155	0.201									
8	3,057	-0.699	-0.022	-0.058	-0.009	0.002	0.140	0.528	0.041	-0.009	-0.004	0.000	0.008	0.073	-0.007	0.254	0.155	0.201									
9	3,057	-0.699	-0.022	-0.058	-0.009	0.002	0.140	0.528	0.041	-0.009	-0.004	0.000	0.008	0.073	-0.007	0.254	0.155	0.201									
10	3,057	-0.699	-0.022	-0.058	-0.009	0.002	0.140	0.528	0.041	-0.009	-0.004	0.000	0.008	0.073	-0.007	0.254	0.155	0.201									
<b>Average<sup>h</sup></b>										3,291	2.11	5.77	0.155	0.055	0.90	2.97	1.94	104.6	684	890							
<b>10 Percent Increase</b>										3,057	-5.166	0.000	-0.583	-0.086	0.017	1.279	6.068	0.402	-0.087	-0.042	0.001	0.079	0.965	-0.063	-1.571	1.548	2.014
2	3,057	-5.919	-0.225	-0.583	-0.086	0.017	1.279	6.068	0.402	-0.087	-0.042	0.001	0.079	0.668	-0.063	2.539	1.548	2.014									
3	3,057	-5.919	-0.225	-0.583	-0.086	0.017	1.279	6.068	0.402	-0.087	-0.042	0.001	0.079	0.668	-0.063	2.539	1.548	2.014									
4	3,057	-5.919	-0.225	-0.583	-0.086	0.017	1.279	6.068	0.402	-0.087	-0.042	0.001	0.079	0.668	-0.063	2.539	1.548	2.014									
5	3,057	-5.919	-0.225	-0.583	-0.086	0.017	1.279	6.068	0.402	-0.087	-0.042	0.001	0.079	0.668	-0.063	2.539	1.548	2.014									
6	3,057	-5.919	-0.225	-0.583	-0.086	0.017	1.279	6.068	0.402	-0.087	-0.042	0.001	0.079	0.668	-0.063	2.539	1.548	2.014									
7	3,057	-5.919	-0.225	-0.583	-0.086	0.017	1.279	6.068	0.402	-0.087	-0.042	0.001	0.079	0.668	-0.063	2.539	1.548	2.014									
8	3,057	-5.919	-0.225	-0.583	-0.086	0.017	1.279	6.068	0.402	-0.087	-0.042	0.001	0.079	0.668	-0.063	2.539	1.548	2.014									
9	3,057	-5.919	-0.225	-0.583	-0.086	0.017	1.279	6.068	0.402	-0.087	-0.042	0.001	0.079	0.668	-0.063	2.539	1.548	2.014									
10	3,057	-5.919	-0.225	-0.583	-0.086	0.017	1.279	6.068	0.402	-0.087	-0.042	0.001	0.079	0.668	-0.063	2.539	1.548	2.014									
<b>Average<sup>h</sup></b>										3,291	2.11	5.77	0.155	0.055	0.90	2.97	1.94	104.6	684	890							

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is acreage reduction program.

<sup>c</sup>PLD is paid land diversion.

<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.

<sup>e</sup>CRP is conservation reserve program.

<sup>f</sup>CCC is Commodity Credit Corporation.

<sup>g</sup>FOR is farmer-owned reserve.

<sup>h</sup>1985-89 average level.

Table 60. Sorghum total stocks: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline	Producer		Sorghum	Sorghum	
	LHS <sup>a</sup> Variable	Sorghum Price	Price Index	Sorghum Production	CCC <sup>b</sup> Stocks	FOR <sup>c</sup> Stocks
	(million bushels)	(percent)				
<b>1 Percent Increase</b>						
1	523	-0.162	0.161	0.351	0.464	0.081
2	522	-0.227	0.225	0.490	0.409	0.071
3	522	-0.253	0.250	0.546	0.387	0.068
4	521	-0.263	0.260	0.568	0.378	0.066
5	521	-0.267	0.264	0.576	0.373	0.065
6	521	-0.269	0.266	0.580	0.374	0.066
7	521	-0.269	0.267	0.581	0.372	0.065
8	521	-0.269	0.267	0.582	0.373	0.065
9	521	-0.270	0.267	0.582	0.372	0.065
10	521	-0.270	0.267	0.582	0.372	0.065
Average <sup>d</sup>	523	1.87	315.3	797	317	55
<b>10 Percent Increase</b>						
1	523	-1.624	1.476	3.506	4.637	0.811
2	522	-2.271	2.065	4.903	4.085	0.715
3	522	-2.528	2.298	5.457	3.866	0.676
4	521	-2.630	2.390	5.676	3.779	0.661
5	521	-2.670	2.427	5.763	3.745	0.655
6	521	-2.686	2.442	5.798	3.731	0.653
7	521	-2.692	2.447	5.811	3.726	0.652
8	521	-2.695	2.450	5.817	3.724	0.652
9	521	-2.695	2.450	5.819	3.723	0.651
10	521	-2.696	2.451	5.820	3.723	0.651
Average <sup>d</sup>	523	1.87	315.3	797	317	55

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>CCC is Commodity Credit Corporation.<sup>c</sup>FOR is farmer-owned reserve.<sup>d</sup>1985-89 average level.

Table 61. Barley total stocks: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable	Barley Price	Producer Price Index	Barley Production	Barley CCC <sup>b</sup> Stocks	Barley FOR <sup>c</sup> Stocks
	(million bushels)			(percent)		
<b>1 Percent Increase</b>						
1	268	-0.191	0.189	0.540	0.064	0.100
2	268	-0.258	0.255	0.728	0.025	0.040
3	268	-0.281	0.278	0.794	0.012	0.019
4	268	-0.289	0.286	0.817	0.007	0.012
5	268	-0.292	0.289	0.825	0.006	0.009
6	268	-0.293	0.290	0.827	0.005	0.008
7	268	-0.293	0.290	0.828	0.005	0.008
8	268	-0.293	0.291	0.829	0.005	0.008
9	268	-0.293	0.291	0.829	0.005	0.008
10	268	-0.293	0.291	0.829	0.005	0.008
Average <sup>d</sup>	268	2.12	315.0	483	46	73
<b>10 Percent Increase</b>						
1	268	-1.913	1.739	5.402	0.638	0.999
2	268	-2.578	2.344	7.282	0.254	0.398
3	268	-2.810	2.555	7.937	0.121	0.189
4	268	-2.891	2.629	8.166	0.074	0.116
5	268	-2.920	2.654	8.246	0.058	0.090
6	268	-2.930	2.663	8.274	0.052	0.081
7	268	-2.933	2.666	8.284	0.050	0.078
8	268	-2.934	2.668	8.287	0.049	0.077
9	268	-2.935	2.668	8.289	0.049	0.077
10	268	-2.935	2.668	8.289	0.049	0.077
Average <sup>d</sup>	268	2.12	315.0	483	46	73

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>CCC is Commodity Credit Corporation.<sup>c</sup>FOR is farmer-owned reserve.<sup>d</sup>1985-89 average level.

Table 62. Oat total stocks: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable (million bushels)	Oat Price	Producer Price Index	Oat Production	Oat CCC <sup>b</sup> Stocks	Oat FOR <sup>c</sup> Stocks
				(percent)		
<b>1 Percent Increase</b>						
1	136	-0.546	0.541	1.208	0.014	0.010
2	134	-0.765	0.757	1.691	0.013	0.009
3	134	-0.850	0.841	1.879	0.012	0.009
4	134	-0.882	0.874	1.886	0.012	0.009
5	134	-0.895	1.886	1.891	0.012	0.008
6	133	-0.900	1.891	1.893	0.012	0.008
7	133	-0.902	0.893	1.993	0.012	0.008
8	133	-0.902	0.893	1.995	0.012	0.008
9	133	-0.902	0.894	1.996	0.012	0.008
10	133	-0.903	0.894	1.996	0.012	0.008
Average <sup>d</sup>	137	1.62	315.0	374	2	2
<b>10 Percent Increase</b>						
1	136	-5.463	4.967	12.081	0.139	0.098
2	134	-7.647	6.952	16.910	0.127	0.090
3	134	-8.497	7.724	18.788	0.123	0.087
4	134	-8.824	8.021	19.511	0.121	0.085
5	134	-8.949	8.135	19.788	0.120	0.085
6	133	-8.997	8.179	19.894	0.120	0.085
7	133	-9.015	8.196	19.935	0.120	0.085
8	133	-9.022	8.202	19.950	0.120	0.085
9	133	-9.025	8.204	19.956	0.120	0.085
10	133	-9.026	8.205	19.958	0.120	0.085
Average <sup>d</sup>	137	1.62	315.0	374	2	2

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>CCC is Commodity Credit Corporation.<sup>c</sup>FOR is farmer-owned research.<sup>d</sup>1985-89 average level.

Table 63. Wheat total stocks: Impacts of a permanent 1 percent increase and a permanent 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup>	Wheat Wheat Price	Wheat ARP <sup>b</sup> Rate	Wheat PLD <sup>c</sup> Rate	Wheat Payment Rate	Wheat Target Price	Wheat Loan Rate	Wheat Program Yield	Triple- Base Rate <sup>d</sup>	Total CRP <sup>e</sup>	Wheat Variable Costs	Producer Price Index	Fertilizer Price Index	Wheat Production t + 1	Wheat CCC <sup>f</sup> Stocks	Wheat FOR <sup>g</sup> Stocks
(million bushels) ----- (percent) -----																
<b>1 Percent Increase</b>																
1 1,171 -0.276 -0.035 -0.003 0.001 0.080 0.159 0.022 -0.005 -0.002 0.012 0.126 -0.003 -0.494 0.191 0.201																
2 1,171 -0.350 -0.035 -0.003 0.001 0.080 0.159 0.022 -0.005 -0.002 0.012 0.116 -0.003 -0.078 0.191 0.201																
3 1,171 -0.350 -0.035 -0.003 0.001 0.080 0.159 0.022 -0.005 -0.002 0.012 0.116 -0.003 -0.078 0.191 0.201																
4 1,171 -0.350 -0.035 -0.003 0.001 0.080 0.159 0.022 -0.005 -0.002 0.012 0.116 -0.003 -0.078 0.191 0.201																
5 1,171 -0.350 -0.035 -0.003 0.001 0.080 0.159 0.022 -0.005 -0.002 0.012 0.116 -0.003 -0.078 0.191 0.201																
6 1,171 -0.350 -0.035 -0.003 0.001 0.080 0.159 0.022 -0.005 -0.002 0.012 0.116 -0.003 -0.078 0.191 0.201																
7 1,171 -0.350 -0.035 -0.003 0.001 0.080 0.159 0.022 -0.005 -0.002 0.012 0.116 -0.003 -0.078 0.191 0.201																
8 1,171 -0.350 -0.035 -0.003 0.001 0.080 0.159 0.022 -0.005 -0.002 0.012 0.116 -0.003 -0.078 0.191 0.201																
9 1,171 -0.350 -0.035 -0.003 0.001 0.080 0.159 0.022 -0.005 -0.002 0.012 0.116 -0.003 -0.078 0.191 0.201																
10 1,171 -0.350 -0.035 -0.003 0.001 0.080 0.159 0.022 -0.005 -0.002 0.012 0.116 -0.003 -0.078 0.191 0.201																
<b>Average<sup>h</sup></b>																
1,245 3.10 0.215 0.035 0.94 4.29 2.45 35.0 0.000 14.4 57.70 315.0 94.1 2,094 404 425																
<b>10 Percent Increase</b>																
1 1,171 -2.356 -0.346 -0.028 0.006 0.737 2.083 0.220 -0.054 -0.023 0.115 1.153 -0.026 -4.994 1.906 2.005																
2 1,171 -2.974 -0.346 -0.028 0.006 0.737 2.083 0.220 -0.054 -0.023 0.115 1.065 -0.026 -0.777 1.906 2.005																
3 1,171 -2.974 -0.346 -0.028 0.006 0.737 2.083 0.220 -0.054 -0.023 0.115 1.065 -0.026 -0.777 1.906 2.005																
4 1,171 -2.974 -0.346 -0.028 0.006 0.737 2.083 0.220 -0.054 -0.023 0.115 1.065 -0.026 -0.777 1.906 2.005																
5 1,171 -2.974 -0.346 -0.028 0.006 0.737 2.083 0.220 -0.054 -0.023 0.115 1.065 -0.026 -0.777 1.906 2.005																
6 1,171 -2.974 -0.346 -0.028 0.006 0.737 2.083 0.220 -0.054 -0.023 0.115 1.065 -0.026 -0.777 1.906 2.005																
7 1,171 -2.974 -0.346 -0.028 0.006 0.737 2.083 0.220 -0.054 -0.023 0.115 1.065 -0.026 -0.777 1.906 2.005																
8 1,171 -2.974 -0.346 -0.028 0.006 0.737 2.083 0.220 -0.054 -0.023 0.115 1.065 -0.026 -0.777 1.906 2.005																
9 1,171 -2.974 -0.346 -0.028 0.006 0.737 2.083 0.220 -0.054 -0.023 0.115 1.065 -0.026 -0.777 1.906 2.005																
10 1,171 -2.974 -0.346 -0.028 0.006 0.737 2.083 0.220 -0.054 -0.023 0.115 1.065 -0.026 -0.777 1.906 2.005																
<b>Average<sup>h</sup></b>																
1,245 3.10 0.215 0.035 0.94 4.29 2.45 35.0 0.000 14.4 57.70 315.0 94.1 2,094 404 425																

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.

<sup>b</sup>ARP is acreage reduction program.

<sup>c</sup>PLD is paid land diversion.

<sup>d</sup>Although there was no triple-base program from 1985 through 1989, a 15 percent triple-base rate was assumed in the baseline.

<sup>e</sup>CRP is conservation reserve program.

<sup>f</sup>CCC is Commodity Credit Corporation.

<sup>g</sup>FOR is farmer-owned reserve.

<sup>h</sup>1985-89 average level.

Table 64. Rice total stocks: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable	Farm Rice Price	Producer Price Index	Rice Production $t + 1$	Rice CCC <sup>b</sup> Stocks
	(million cwt)	(percent)			
<b>1 Percent Increase</b>					
1	42.5	-0.086	0.085	-0.395	0.168
2	42.5	-0.086	0.085	0.718	0.168
3	42.5	-0.086	0.085	0.718	0.168
4	42.5	-0.086	0.085	0.718	0.168
5	42.5	-0.086	0.085	0.718	0.168
6	42.5	-0.086	0.085	0.718	0.168
7	42.5	-0.086	0.085	0.718	0.168
8	42.5	-0.086	0.085	0.718	0.168
9	42.5	-0.086	0.085	0.718	0.168
10	42.5	-0.086	0.085	0.718	0.168
Average <sup>c</sup>	42.6	6.48	315.2	142.5	10.5
<b>10 Percent Increase</b>					
1	42.5	-0.860	0.782	-3.945	1.681
2	42.5	-0.860	0.782	7.179	1.681
3	42.5	-0.860	0.782	7.179	1.681
4	42.5	-0.860	0.782	7.179	1.681
5	42.5	-0.860	0.782	7.179	1.681
6	42.5	-0.860	0.782	7.179	1.681
7	42.5	-0.860	0.782	7.179	1.681
8	42.5	-0.860	0.782	7.179	1.681
9	42.5	-0.860	0.782	7.179	1.681
10	42.5	-0.860	0.782	7.179	1.681
Average <sup>c</sup>	42.6	6.48	315.2	142.5	10.5

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>CCC is Commodity Credit Corporation.<sup>c</sup>1985-89 average level.

**Table 65. Soybean total stocks: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables**

<b>Year</b>	<b>Baseline LHS<sup>a</sup> Variable</b>	<b>Soybean Price</b>	<b>Producer Price Index</b>	<b>Soybean Production <i>t</i> + 1</b>	<b>Soybean CCC<sup>b</sup> Stocks</b>
	(million bushels)			(percent)	
<b>1 Percent Increase</b>					
1	339	-0.547	0.271	-0.366	0.174
2	339	-0.547	0.271	0.923	0.174
3	339	-0.547	0.271	0.923	0.174
4	339	-0.547	0.271	0.923	0.174
5	339	-0.547	0.271	0.923	0.174
6	339	-0.547	0.271	0.923	0.174
7	339	-0.547	0.271	0.923	0.174
8	339	-0.547	0.271	0.923	0.174
9	339	-0.547	0.271	0.923	0.174
10	339	-0.547	0.271	0.923	0.174
<b>Average<sup>c</sup></b>	<b>339</b>	<b>5.77</b>	<b>315.3</b>	<b>1,890</b>	<b>77</b>
<b>10 Percent Increase</b>					
1	339	-5.467	2.485	-3.660	1.735
2	339	-5.467	2.485	9.229	1.735
3	339	-5.467	2.485	9.229	1.735
4	339	-5.467	2.485	9.229	1.735
5	339	-5.467	2.485	9.229	1.735
6	339	-5.467	2.485	9.229	1.735
7	339	-5.467	2.485	9.229	1.735
8	339	-5.467	2.485	9.229	1.735
9	339	-5.467	2.485	9.229	1.735
10	339	-5.467	2.485	9.229	1.735
<b>Average<sup>c</sup></b>	<b>339</b>	<b>5.77</b>	<b>315.3</b>	<b>1,890</b>	<b>77</b>

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>CCC is Commodity Credit Corporation.<sup>c</sup>1985-89 average level.

Table 66. Soybean meal total stocks: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable	Soybean Meal Price	Producer Price Index
	(1,000 tons)	(percent)	
<b>1 Percent Increase</b>			
1	219	-0.081	0.081
2	213	-0.210	0.118
3	211	-0.137	0.135
4	210	-0.144	0.143
5	209	-0.147	0.146
6	209	-0.149	0.147
7	209	-0.149	0.148
8	209	-0.150	0.148
9	209	-0.150	0.148
10	209	-0.150	0.148
<b>Average<sup>b</sup></b>	<b>219</b>	<b>189.25</b>	<b>315.3</b>
<b>10 Percent Increase</b>			
1	219	-0.813	0.739
2	213	-1.195	1.087
3	211	-1.366	1.242
4	210	-1.440	1.309
5	209	-1.473	1.339
6	209	-1.487	1.351
7	209	-1.493	1.357
8	209	-1.495	1.359
9	209	-1.496	1.360
10	209	-1.497	1.361
<b>Average<sup>b</sup></b>	<b>219</b>	<b>189.25</b>	<b>315.3</b>

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>1985-89 average level.

Table 67. Soybean oil total stocks: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable (million pounds)	Soybean Oil Price	Producer Price Index	Soybean Oil Production	Soybean Production <i>t</i> + 1	Soybean Oil Exports
<b>1 Percent Increase</b>						
1	1,561	-0.068	0.067	1.756	-0.164	-0.299
2	1,580	-0.067	0.066	1.735	-0.162	-0.299
3	1,583	-0.067	0.066	1.731	-0.162	-0.299
4	1,583	-0.067	0.066	1.731	-0.162	-0.299
5	1,583	-0.067	0.066	1.731	-0.162	-0.299
6	1,583	-0.067	0.066	1.731	-0.162	-0.299
7	1,583	-0.067	0.066	1.731	-0.162	-0.299
8	1,583	-0.067	0.066	1.731	-0.162	-0.299
9	1,583	-0.067	0.066	1.731	-0.162	-0.299
10	1,583	-0.067	0.066	1.731	-0.162	-0.299
<b>Average<sup>b</sup></b>	<b>1,561</b>	<b>19.89</b>	<b>315.3</b>	<b>12,423</b>	<b>1,890</b>	<b>1,481</b>
<b>10 Percent Increase</b>						
1	1,561	-0.676	0.614	17.563	-1.639	-2.994
2	1,580	-0.667	0.607	17.345	-1.619	-2.994
3	1,583	-0.666	0.605	17.310	-1.616	-2.994
4	1,583	-0.666	0.605	17.310	-1.616	-2.994
5	1,583	-0.666	0.605	17.310	-1.616	-2.994
6	1,583	-0.666	0.605	17.310	-1.616	-2.994
7	1,583	-0.666	0.605	17.310	-1.616	-2.994
8	1,583	-0.666	0.605	17.310	-1.616	-2.994
9	1,583	-0.666	0.605	17.310	-1.616	-2.994
10	1,583	-0.666	0.605	17.310	-1.616	-2.994
<b>Average<sup>b</sup></b>	<b>1,561</b>	<b>19.89</b>	<b>315.3</b>	<b>12,423</b>	<b>1,890</b>	<b>1,481</b>

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>1985-89 average level.

Table 68. Sugar total stocks: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable	Refined Sugar Price	Corn Price	GDP <sup>b</sup> Deflator	Population
	(1,000 tons)	(percent)			
<b>1 Percent Increase</b>					
1	2,968	-0.108	0.044	0.106	1.752
2	2,959	-0.136	0.051	0.131	1.736
3	2,958	-0.143	0.052	0.137	1.731
4	2,959	-0.144	0.052	0.138	1.729
5	2,959	-0.145	0.052	0.139	1.729
6	2,959	-0.145	0.052	0.139	1.729
7	2,959	-0.145	0.052	0.139	1.729
8	2,959	-0.145	0.052	0.139	1.729
9	2,959	-0.145	0.052	0.139	1.729
10	2,959	-0.145	0.052	0.139	1.729
Average <sup>c</sup>	3,125	36.47	2.11	137.6	241.8
<b>10 Percent Increase</b>					
1	2,968	-1.084	0.441	0.973	17.523
2	2,959	-1.345	0.514	1.208	17.359
3	2,958	-1.405	0.525	1.261	17.308
4	2,959	-1.419	0.526	1.273	17.294
5	2,959	-1.422	0.526	1.276	17.290
6	2,959	-1.423	0.525	1.277	17.289
7	2,959	-1.423	0.525	1.277	17.288
8	2,959	-1.423	0.525	1.277	17.288
9	2,959	-1.423	0.525	1.277	17.288
10	2,959	-1.423	0.525	1.277	17.288
Average <sup>c</sup>	3,125	36.47	2.11	137.6	241.8

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>GDP is gross domestic product.<sup>c</sup>1985-89 average level.

Table 69. Rice farm price: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline LHS <sup>a</sup> Variable	Thai FOB <sup>b</sup> Rice Price
	(U.S. dollars per cwt)	(percent)
<b>1 Percent Increase</b>		
1	6.56	1.046
2	6.56	1.046
3	6.56	1.046
4	6.56	1.046
5	6.56	1.046
6	6.56	1.046
7	6.56	1.046
8	6.56	1.046
9	6.56	1.046
10	6.56	1.046
<b>Average<sup>c</sup></b>	<b>6.48</b>	<b>12.66</b>
<b>10 Percent Increase</b>		
1	6.56	10.460
2	6.56	10.460
3	6.56	10.460
4	6.56	10.460
5	6.56	10.460
6	6.56	10.460
7	6.56	10.460
8	6.56	10.460
9	6.56	10.460
10	6.56	10.460
<b>Average<sup>c</sup></b>	<b>6.48</b>	<b>12.66</b>

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>FOB is free-on-board.<sup>c</sup>1985-89 average level.

**Table 70.** Rice wholesale price: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables

Year	Baseline	Thai FOB <sup>b</sup>
	LHS <sup>c</sup>	Rice Price
	Variable (U.S. dollars per cwt)	(percent)
<b>1 Percent Increase</b>		
1	15.99	0.944
2	15.99	0.944
3	15.99	0.944
4	15.99	0.944
5	15.99	0.944
6	15.99	0.944
7	15.99	0.944
8	15.99	0.944
9	15.99	0.944
10	15.99	0.944
Average <sup>c</sup>	16.51	12.66
<b>10 Percent Increase</b>		
1	15.99	9.444
2	15.99	9.444
3	15.99	9.444
4	15.99	9.444
5	15.99	9.444
6	15.99	9.444
7	15.99	9.444
8	15.99	9.444
9	15.99	9.444
10	15.99	9.444
Average <sup>c</sup>	16.51	12.66

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>FOB is free-on-board.<sup>c</sup>1985-89 average level.

**Table 71. Refined sugar retail price: Impacts of a 1 percent increase and a 10 percent increase in RHS<sup>a</sup> variables**

<u>Year</u>	<u>Baseline LHS<sup>a</sup> Variable</u>	<u>New York Raw Sugar Price</u>
	(cents per pound)	(percent)
<b>1 Percent Increase</b>		
1	36.56	0.532
2	36.56	0.804
3	36.56	0.804
4	36.56	0.804
5	36.56	0.804
6	36.56	0.804
7	36.56	0.804
8	36.56	0.804
9	36.56	0.804
10	36.56	0.804
<b>Average<sup>b</sup></b>	<b>36.47</b>	<b>21.61</b>
<b>10 Percent Increase</b>		
1	36.56	5.316
2	36.56	8.045
3	36.56	8.045
4	36.56	8.045
5	36.56	8.045
6	36.56	8.045
7	36.56	8.045
8	36.56	8.045
9	36.56	8.045
10	36.56	8.045
<b>Average<sup>b</sup></b>	<b>36.47</b>	<b>21.61</b>

<sup>a</sup>RHS indicates right-hand-side and LHS indicates left-hand-side.<sup>b</sup>1985-89 average level.

## **REFERENCE**

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