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**Working Paper**

## Input Forms and Output from the Dairy Market Policy Simulator

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INPUT FORMS AND OUTPUT FROM THE DAIRY MARKET  
POLICY SIMULATOR (MODEL A)

By

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## PREFACE

This paper is intended as a user's guide to input forms and output from the Dairy Market Policy Simulator. DAMPS was constructed as part of Novakovic's Ph.D. thesis at Purdue University. During some part of the course of the research and model development, all of the authors were at Purdue. Dr. Andrew Novakovic is now an Assistant Professor in the Department of Agricultural economics at Cornell University. Dr. Emerson Babb is a Professor in the Department of Agricultural Economics at Purdue University. David Martella is on the staff of the Department of Agricultural Economics and Rural Sociology of the University of Arkansas. James Pratt is a Ph.D. student in the Department of Agricultural Economics at Michigan State University.

The authors also benefited from the earlier modeling work of Dr. David Banker of the Dairy Group of the Economics, Statistics, and Cooperatives Service in the U.S. Department of Agriculture and Dr. Oscar Goldman, a graduate of Pennsylvania State University now living in Argentina.

The information contained in this paper is intended as a reference for those already familiar with DAMPS. It is assumed that the reader has a basic understanding of the U.S. dairy economy and the methods used to construct DAMPS. Those readers wishing further details may refer to Novakovic's thesis or Staff Paper No. 79-4 (references 2 and 3 in the bibliography, respectively). Requests for information or blank input forms may be directed to:

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## INPUT FORMS AND OUTPUT FROM THE DAIRY MARKET POLICY SIMULATOR (MODEL A)

### INTRODUCTION

The Dairy Market Policy Simulator or DAMPS is a transshipment model of the U.S. dairy sector. The dairy sector is divided geographically into federally regulated areas, state regulated areas, unregulated Grade A milk areas, and Grade B or manufacturing milk areas. The first category encompasses the Federal Milk Marketing Order System. States having their own marketing order programs are included in the second category. Federal and state orders regulate only Grade A milk.

Model components include:

- supplies of Grade A milk
- supplies of Grade B milk
- processing activities
- demands for fluid (Class I) products, soft (Class II) manufactured products, cheese, butter, nonfat dry milk, and miscellaneous hard (Class III) manufactured products
- imports of cheese, butter, nonfat dry milk, and miscellaneous Class III products
- commercial stocks of cheese, butter and nonfat dry milk
- government stocks of cheese, butter and nonfat dry milk

Each regulated area has a production center, a processing center, and a consumption center. Unregulated regions have production centers and consumption centers. Grade B regions have production-manufacturing, import, stocks, and consumption centers.

DAMPS is a quarterly model and can simulate from one to five years of dairy sector activity. Dynamic elements of the dairy sector are represented in DAMPS by the carryover of dairy stocks between quarters and by supply and demand being a function of lagged prices. Projected Grade B prices (M-W prices) are the basic model input. The Class III price in regulated areas is equal to the Grade B price. Class I and II prices in regulated areas are based on Class I and II differentials added to the Class III price. Differentials default to values in the base year, 1976, but can be set at any level. Retail prices are based on farm level prices and marketing costs or margins. Other model data include exogenously specified import levels, desired stock levels, the level of exogenous factors affecting supply and demand, and restrictions and pricing mechanisms used in regulated markets.

Given a matrix of prices and exogenous factors, quarterly production and consumption can be computed in each area or region. DAMPS determines the spatial allocation that minimizes marketing costs, using a capacitated network algorithm to solve the transshipment problem.

Further details on DAMPS can be obtained from Novakovic (2) or Novakovic, et al. (3).

The Dairy Market Policy Simulator can be used to analyze a variety of policies or changes in costs and restrictions imposed by regulations or institutions. For example, DAMPS is equipped to handle:

- federal order mergers
- changes in federal and state order pricing or pooling provisions
- changes in processing capacity restrictions
- changes in shipping restrictions
- changes in import levels
- changes in the amount of government stocks used in food distribution or welfare programs

The user may also change some of the parameters of the model via the input form, for example:

- demand elasticities
- supply elasticities
- handling charges
- Class I reserve requirements

In addition, the user decides whether to hold exogenous factors constant at base year levels or let them vary according to projected changes specified in the base data.

DAMPS can be limited to looking at only federal orders or federal orders and state orders. Or all four subsectors of the dairy sector can be examined with DAMPS. If state orders are included, the user can decide whether or not to permit movements of milk between a state order and other order areas. If inter-order of state regulated milk are not restricted, predefined linkages, specified in the base data, will be permitted.

Finally, the user also chooses among the various reports and combinations of reports that can be printed, in addition to the basic summaries that are always printed.

In the following section, DAMPS input forms are listed and their uses are discussed. After that, the various reports are explained and samples of each are shown. Instructions for coding and keypunching input forms, in the manner read by DAMPS, are given in the Appendix.

DAMPS INPUT FORMS

The primary input form and the eight optional forms -- Form F-A through F-D and S-A through S-D -- are discussed in this section. After all forms are discussed, the input forms are listed.

The first page of the input form has six spaces for the decision or experiment name and lists the four model options. The Federal Order Optional Input Form option relates to Forms F-B through F-D and S-B through S-D, instructions for which appear in question 11 of the primary input form. If an optional input form for federal orders, say F-B, is used, the corresponding form for state orders, S-B, must also be used (question 13). If Forms F-A and S-A are used, the user specifies this via questions 10 and 12.

The state option refers to whether or not the state regulated subsector is included in the model and how state orders are linked to Federal orders. This is explained after question 21 on the primary input form.

The Grade B Option is explained immediately after the State Option. The Grade B Option refers to whether or not the Grade B milk subsector is included in the model. The unregulated Grade A milk subsector is included only if the Grade B milk subsector is included. State orders must be included if the Grade B milk subsector is included.

The Merge Option, referring to federal order mergers, is discussed in question 1 of the primary input form. If mergers are not made, questions 1 and 2 may be ignored. If mergers are desired, the federal orders which are to be merged are specified in question 1. Up to ten new orders can be created by mergers. There are two options available for determining prices in merged orders. These are explained and dealt with in question 2.

Federal and state order Class I, II, and III prices can be specified in questions 3 through 5. Prices set in this manner are based on a proposed base price in each order and absolute, quarterly price increments, expressed in dollars per hundredweight. If optional input forms are used to specify prices, questions 3 through 5 can be ignored.

The combination of federal order reports to be printed is selected in question 6. If no reports are requested, only the Comparative Summary Reports are printed. If Summary Reports are requested, they will also be printed. If only Milk Movements Reports are requested, they and the Comparative Summary Reports will be printed. All federal order reports except movements reports are printed when complete reports less Milk Movements Reports are requested. In addition, the quarterly Unregulated Grade A Reports are printed only if complete reports are requested for that quarter. Reports are requested by quarters and for years. That is, the same set of reports need not be requested for each quarter or each year or each quarter in a year. For further details on reports and their contents, see the section on output.

The last year to be analyzed is specified in question 7. A total of five years can be simulated. Currently the base year is 1976; hence any year from 1977 to 1981 could be entered in question 7.

Base data will be printed, if requested in question 8. Exogenous factors will be varied or held constant, based on the response to question 9.

Questions 10 through 13 deal with the optional input forms. Their use is self explanatory. The user's answers to these questions will determine whether an entry should be made on the front page of the input form in the space provided for the input forms option.

If demand elasticities for Class I products are changed via questions 10b or 12b, the reader may also want to change the demand elasticity for Class II products, via question 14.

Various restrictions can be removed through questions 15 through 18.

The Class I sales base can be changed to in-area Class I sales, via question 19.

Comparative Reports for federal and state orders are requested in questions 20 and 21.

Following question 21, the user is instructed what options are available regarding state orders and how to specify the desired option on the first page of the input form. If state orders are not to be included, all questions pertaining to state orders can be ignored.

Next the user is asked to specify whether or not unregulated regions are to be included; this is the Grade B option. If they are not included, all remaining questions can be ignored. If the Grade B option is invoked, the remaining questions must be answered.

In question 22, the user specifies the desired level of U.S. government cheese stocks for each quarter to be simulated. These total figures are disaggregated among regions based on the regional shares specified in the base data.

The government stocks option in question 23 permits the user to hold back part of government stocks from commercial markets each quarter (designated with a 0) or let all stocks be recycled commercially, as needed (designated with a 1).

A once and for all change in imports, based on a percentage change specified in the base data, can be obtained by entering a 0 in question 24. A one (1) entered in question 24 causes imports to change each quarter, based on the annual percentage change and quarterly base import levels specified in the base data.

Grade B reports are requested by year in question 25a. Complete reports include quarterly Supply and Utilization Reports, Summary Reports, and Movements Reports, in addition to the Comparative Supply and Utilization and Comparative Summary Reports that are always printed.

Comparative reports for the variables listed on the input form can also be requested. Annual reports are printed if a 2 is designated. Annual and quarterly reports are printed if a 1 is specified.

Optional input forms permit the user to specify prices in a manner other than that prescribed by question 3 through 5 of the Primary Input Form.



DAMPS

INPUT FORM

Decision Name \_\_\_\_\_

Federal Order Optional  
Input Form =

\_\_\_\_\_

State Option =

\_\_\_\_\_

Grade B Option

\_\_\_\_\_

Merge Option =

\_\_\_\_\_





Federal Order Mergers (set Merge Option = 1)

1. Listed below are the federal order names and identification numbers. Record the number of orders in each merger and specify the orders in the merger by recording the specific identification numbers. Note, an order identification number can only be used in one merger.

The number of proposed mergers \_\_\_\_\_.

Order  
No.

1	New England	64	Kan. C./Neo. Valley
2	New York - New Jersey	73	Wichita
4	Middle Atlantic	99	Paducah
12	Tampa Bay	98	Nashville
13	S.E. Florida	97	Memphis
6	Upper Florida	11	Tennessee Valley
7	Georgia	108	C. Ark./Ft. Smith
40	S. Michigan	106	Oklahoma Metro.
36	E. Ohio - W. Penn.	104	Red River Valley
33	Ohio Valley	132	Texas Panhandle
44	Michigan Up. Pen.	120	Lubbock - Plainview
30	Chicago Regional	96	Greater Louisiana
46	Lou. -Lex. -Evans.	94	New Orleans - Miss.
49	Indiana	126	Texas
32	S. Illinois	137	E. Colorado
50	Central Illinois	136	Great Basin
68	Upper Midwest	134	W. Colorado
76	E. South Dakota	131	C. Arizona
75	Black Hills	138	Rio Grande Valley
79	Iowa	139	Lake Mead
65	Nebraska - W. Iowa	125	Puget Sound
62	St. Louis - Ozarks	133	Inland Empire
		124	Oregon - Washington

Merger 1.: Number of orders in merger \_\_\_\_\_.

Order numbers

-----

-----

-----



Merger 2.: Number of orders in merger \_\_\_\_\_.

Order numbers

-----  
-----  
-----

Merger 3.: Number of orders in merger \_\_\_\_\_.

Order numbers

-----  
-----  
-----

Merger 4.: Number of orders in merger \_\_\_\_\_.

Order numbers

-----

Merger 5.: Number of orders in merger \_\_\_\_\_.

Order numbers

-----

Merger 6.: Number of orders in merger \_\_\_\_\_.

Order numbers

-----

Merger 7.: Number of orders in merger \_\_\_\_\_.

Order numbers

-----

Merger 8.: Number of orders in merger \_\_\_\_\_.

Order numbers.

-----



Merger 9.: Number of orders in merger \_\_\_\_\_.

Order numbers

-----

Merger 10.: Number of orders in merger \_\_\_\_\_.

Order numbers

-----

2. Two options are available for calculating blend prices in merged orders. Under Option 1, blend prices at the original base points are weighted by distance and a user specified location differential. Under Option 2, blend prices at market locations are based on user specified blend differentials.

Indicate the option used \_\_\_\_\_  
 (0 = none, 1 = Option 1, 2 = Option 2)

Option 1:

Location differential \_\_\_\_\_  
 (cents per cwt. per mile)

Option 2:

Blend differentials \_\_\_\_\_  
 (cents; .10 = ten cents)

<u>Order No.</u>	<u>Name</u>	<u>Blend Differentials</u>
1	New England	_____
2	New York - New Jersey	_____
4	Middle Atlantic	_____
12	Tampa Bay	_____
13	S.E. Florida	_____
6	Upper Florida	_____
7	Georgia	_____
40	S. Michigan	_____
36	E. Ohio - W. Pennsylvania	_____
33	Ohio Valley	_____
44	Michigan Up. Pen.	_____
30	Chicago Regional	_____
46	Lou. -Lex. -Evans.	_____
49	Indiana	_____
32	S. Illinois	_____



<u>Order No.</u>	<u>Name</u>	<u>Blend Differentials</u>
50	Central Illinois	_____
68	Upper Midwest	_____
76	E. South Dakota	_____
75	Black Hills	_____
79	Iowa	_____
65	Nebraska - W. Iowa	_____
62	St. Louis - Ozarks	_____
64	Kansas City/Neo. Valley	_____
73	Wichita	_____
99	Paducah	_____
98	Nashville	_____
97	Memphis	_____
11	Tennessee Valley	_____
108	C. Arkansas/ Ft. Smith	_____
106	Oklahoma Metropolitan	_____
104	Red River Valley	_____
132	Texas Panhandle	_____
120	Lubbock - Plainview	_____
96	Greater Louisiana	_____
94	New Orleans - Mississippi	_____
126	Texas	_____
137	E. Colorado	_____
136	Great Basin	_____
134	W. Colorado	_____
131	Cent. Arizona	_____
138	Rio Grande Valley	_____
139	Lake Mead	_____
125	Puget Sound	_____
133	Inland Empire	_____
124	Oregon - Washington	_____

3. Simple Pricing Option

Listed below are minimum federal and state order Class I prices for the fourth quarter of 1976. You may specify a new price and an absolute quarterly change in price for each order.





Order No.	Name	Class I Price		
		Last Price <sup>1/</sup>	Prop. Price	Quart. Change
Federal Orders:				
1	New England	11.55		
2	New York - New Jersey	11.21		
4	Middle Atlantic	11.35		
12	Tampa Bay	11.52		
13	S.E. Florida	11.72		
6	Upper Florida	11.42		
7	Georgia	10.87		
40	S. Michigan	10.17		
36	E. Ohio - W. Penn.	10.42		
33	Ohio Valley	10.27		
44	Michigan Up. Pen.	9.92		
30	Chicago Regional	9.83		
46	Lou. -Lex. -Evans.	10.13		
49	Indiana	10.04		
32	S. Illinois	10.10		
50	Central Illinois	9.96		
68	Upper Midwest	9.69		
76	E. South Dakota	9.97		
75	Black Hills	10.52		
79	Iowa	9.97		
65	Nebraska - W. Iowa	10.17		
62	St. Louis - Ozarks	10.17		
64	Kan. C./Neo. Valley	10.31		
73	Wichita	10.37		
99	Paducah	10.27		
98	Nashville	10.24		
97	Memphis	10.51		
11	Tennessee Valley	10.67		
108	C. Ark./Ft. Smith	10.51		
106	Oklahoma Metro.	10.55		
104	Red River Valley	10.77		
132	Texas Panhandle	10.82		
120	Lubb. -Plain.	10.99		
96	Greater Louisiana	11.04		
94	New Orleans - Miss.	11.42		
126	Texas	10.89		
137	E. Colorado	10.87		
136	Great Basin	10.47		
134	W. Colorado	10.57		
131	Cent. Arizona	11.09		
138	Rio Grande Valley	10.92		
139	Lake Mead	10.17		
125	Puget Sound	10.42		
133	Inland Empire	10.52		
124	Oregon - Washington	10.52		

<sup>1/</sup> Minimum federal order price for 4th quarter, 1976.



Order No.	Name	Class I Price		
		Last Price	Proposed Price	Quarterly Change
<b>State Orders:</b>				
1	Alabama	11.61		
2	California	9.68		
3	Maine	11.55		
4	Massachusetts	11.59		
5	Montana	10.25		
6	Nevada	9.46		
7	New York	11.43		
8	N. Carolina	11.24		
9	N. Dakota	10.27		
10	Pennsylvania	10.76		
11	S. Carolina	11.51		
12	Vermont	10.79		
13	Virginia	11.55		
14	Wyoming	10.82		

4. Change Class II Price Level.

Last Price <sup>2/</sup> = \$8.36	Proposed Price	_____
	Quarterly Change	_____

5. Change Class III Price Level.

Last Price <sup>2/</sup> = \$8.26	Proposed Price	_____
	Quarterly Price	_____

6. Federal Order Reports Desired. Indicate below the years and quarters for which various reports are desired, where:

- 0 = mandatory reports only.
- 1 = complete reports.
- 2 = complete reports less reports on milk movements.
- 3 = milk movements reports only.
- 4 = summary reports and mandatory reports only.

a. Years:	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>
	_____	_____	_____	_____	_____
b. Quarters:					
1st	_____	_____	_____	_____	_____
2nd	_____	_____	_____	_____	_____
3rd	_____	_____	_____	_____	_____
4th	_____	_____	_____	_____	_____

<sup>2/</sup> Minimum federal order price for 4th quarter, 1976.



7. Last year to be analyzed. \_\_\_\_\_

Unless otherwise indicated, 1 = exercise the option, 0 = do not exercise the option.

8. Print base data. \_\_\_\_\_

9. Let exogenous factors vary. \_\_\_\_\_

10. Data to be read from Supplemental Input Form F-A.

a. Read in and use percentages for quarterly changes in Class I, II, III federal order prices. \_\_\_\_\_

b. Read in demand elasticities for federal order markets to replace those specified in base data. \_\_\_\_\_

c. Read in supply elasticities for federal order markets to replace those specified in base data. \_\_\_\_\_

d. Read in handling charges on intra federal order supply plant shipments to replace those specified in base data. \_\_\_\_\_

e. Read in handling charges in inter federal order supply plant shipments to replace those specified in base data. \_\_\_\_\_

f. Read in reserve requirements for federal order markets to replace those specified in base data. \_\_\_\_\_

11. Data to be read from Supplemental Input Form F-B, F-C, or F-D<sup>3/</sup> (select a maximum of 1, default is to use prices specified under number 3). \_\_\_\_\_

a. Read in quarterly Class I, II, III Federal order prices from Form F-B. \_\_\_\_\_

If 1, set Federal Order Optional Form option on first page = 2.

b. Read in a Class I base price, quarterly absolute change, and location differential for federal orders from Form F-C, generate all Class I prices from specified base price. (Use Class II and III prices and quarterly changes from above. \_\_\_\_\_

If 1, set Federal Order Optional Form option on first page = 2.

---

<sup>3/</sup> Quarterly prices must be specified through the last quarter of the last year to be analyzed as indicated on number 7 above.



- c. Read in a set of quarterly Class I base prices, Class II and III prices, and a location differential for federal orders from Form F-D. \_\_\_\_\_

If 1, set Federal Order Optional Form option on first page = 2.

12. Data to be read from Supplemental Input Form S-A.

- a. Read in and use percentages of quarterly changes in Class I state order prices. \_\_\_\_\_
- b. Read in demand elasticities for state orders to replace those specified in base data. \_\_\_\_\_
- c. Read in supply elasticities for state orders to replace those specified in base data. \_\_\_\_\_
- d. Read in reserve requirements for state orders to replace those specified in base data. \_\_\_\_\_

13. Data to be read from Supplemental Input Form S-B, S-C, or S-D<sup>4/</sup> (select a maximum of one, default is to use prices specified under number 3 above).

- a. Read in quarterly Class I state order price from Form S-B. \_\_\_\_\_
- b. Read in a Class I base price, quarterly absolute change, and location differential from Form S-C, generate all Class I prices from specified base price. (Use Class II and III prices and quarterly changes from 3 above). \_\_\_\_\_
- c. Read in a set of quarterly Class I base prices, Class II and III prices, and a location differential for state orders from Form S-D. \_\_\_\_\_

14. Change Class II price elasticity - Base elasticity = -0.46 (federal and state) proposed elasticity - \_\_\_\_\_

15. Remove restriction on Class I processing capacity (federal and state). \_\_\_\_\_

16. Remove restriction on Class II and III manufacturing capacity (federal and state). \_\_\_\_\_

17. Remove restriction on own area packaged milk sales (federal and state). \_\_\_\_\_

---

<sup>4/</sup> Quarterly prices must be specified through the last quarter of the last year to be analyzed as indicated on number 7 above.





18. Remove restriction on raw milk shipments (federal and state). \_\_\_\_\_

19. Use in-area Class I sales base instead of 0 producer receipts used in Class I (federal orders only). \_\_\_\_\_

Comparative Reports

Select no more than five. Selecting the same report in both federal and state order constitutes one selection.

20. Comparative reports desired for federal order markets.

a. Producer receipts. \_\_\_\_\_

b. Class I sales. \_\_\_\_\_

c. Class II sales. \_\_\_\_\_

d. Class III sales. \_\_\_\_\_

e. Class I utilization. \_\_\_\_\_

f. Class I price. \_\_\_\_\_

g. Blend price. \_\_\_\_\_

h. Process capacity utilization. \_\_\_\_\_

i. Total processing cost. \_\_\_\_\_

j. In-area Class I sales. \_\_\_\_\_

21. Comparative reports desired for state order markets.

a. Producer receipts \_\_\_\_\_

b. Class I sales. \_\_\_\_\_

c. Class II sales. \_\_\_\_\_

d. Class III sales. \_\_\_\_\_

e. Class utilization. \_\_\_\_\_

f. Class I price. \_\_\_\_\_

g. Blend price. \_\_\_\_\_

h. Process capacity utilization. \_\_\_\_\_

i. Total processing cost. \_\_\_\_\_



State Order Option

If you wish to run the model with only federal orders, set the State Option on the first page equal to 0.

If you wish to include state orders and permit linkages between stage and federal order markets, set the State Option on the first page equal to 1.

If you wish to include state orders but keep them separate from federal orders, set the State Option on the first page equal to 2.

Note: If the State Option equals 0, all questions pertaining to state orders above and Grade B milk markets below must be ignored. If you fill in data for states on any of the questions above or optional input forms, the State Option must equal 1 or 2.

Grade B Option

If you wish to include the Grade B milk subsector in the model, set the Grade B Option on the first page equal to 1.

22. Desired government cheese stock levels (thousand pounds of cheese).

Year/quarter	I	II	III	IV
1977	_____	_____	_____	_____
1978	_____	_____	_____	_____
1979	_____	_____	_____	_____
1980	_____	_____	_____	_____
1981	_____	_____	_____	_____

23. Government stocks are available for consumption \_\_\_\_\_

24. Imports are not held constant \_\_\_\_\_

25. Grade B reports desired:

a. Yearly reports

0 = comparative supply and utilization and comparative summary reports only.

1 = complete reports

2 = complete reports less movements reports

3 = movements reports only

Year	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>
	_____	_____	_____	_____	_____







DAMPS

---

Optional Input Forms

Fill out only those forms you wish to use.  
Use only those forms which you have indicated  
in questions 10-13 of the Primary Input Form.





FORM F-A

Order No.	Name	Class 1 <sup>2/</sup> Price Quarterly Pct. Chge	Demand Elas.	Supply Elas.	Hand <sup>6/</sup> Charge own Market	Hand <sup>6/</sup> Charge other Market	Reserve <sup>5/</sup> Req.
1	New England						
2	New York - New Jersey						
4	Middle Atlantic						
12	Tampa Bay						
13	S.E. Florida						
6	Upper Florida						
7	Georgia						
40	S. Michigan						
36	E. Ohio - W. Penn.						
33	Ohio Valley						
44	Michigan Upper Penn.						
30	Chicago Regional						
46	Lou. -Lex. -Ev.						
49	Indiana						
32	S. Illinois						
50	C. Illinois						
68	Upper Midwest						
76	E. South Dakota						
75	Black Hills						
79	Iowa						
65	Nebraska - W. Iowa						
62	St. Louis - Ozarks						
64	Kansas City/Neo. Valley						
73	Wichita						
99	Paducah						
98	Nashville						
97	Memphis						
11	Tennessee Valley						
108	C. Arkansas/Ft. Smith						
106	Oklahoma Metropolitan						
104	Red River Valley						
132	Texas Panhandle						



Order No.	Name	Class I <sup>5/</sup> Price Quarterly Pct. Chge	Demand Elas.	Supply Elas.	Hand <sup>6/</sup> Charge own Market	Hand <sup>6/</sup> Charge Other Market	Reserve <sup>5/</sup> Req.
120	Lubbock-Plainview						
96	Greater Louisiana						
94	New Orleans - Miss. Texas						
126	E. Colorado						
137	Great Basin						
136	W. Colorado						
134	C. Arizona						
131	Rio Grande Valley						
138	Lake Mead						
139	Puget Sound						
125	Inland Empire						
133	Oregon - Washington						
124							

Quarterly percentage change in Class II price. <sup>1/</sup> (ten per cent = 10)

Quarterly percentage change in Class III price. <sup>1/</sup> (ten per cent = 10)

<sup>5/</sup> ten per cent = 10

<sup>6/</sup> ten cents = .10; Handling charges apply, only to order No(s): 1, 2, 7, 40, 36, 30, 32, 68, 79, 65, 64  
11, 126, 137 and 124.

<sup>1/</sup> Class II and III prices specified here are also used as state order prices.



FORM F-B  
Class I Prices <sup>8/</sup>  
Year 1977

Order No.	Name	Quarter			
		1	2	3	4
1	New England				
2	New York - New Jersey				
4	Middle Atlantic				
12	Tampa Bay				
13	S.E. Florida				
6	Upper Florida				
7	Georgia				
40	S. Michigan				
36	E. Ohio - W. Penn.				
33	Ohio Valley				
44	Michigan Upper Penn.				
30	Chicago Regional				
46	Lou. -Lex. -Ev.				
49	Indiana				
32	S. Illinois				
50	C. Illinois				
68	Upper Midwest				
76	E. South Dakota				
75	Black Hills				
79	Iowa				
65	Nebraska - W. Iowa				
62	St. Louis - Ozarks				
64	Kansas City/Neo. Valley				
73	Wichita				
99	Paducah				
98	Nashville				
97	Memphis				
11	Tennessee Valley				
108	C. Arkansas/Ft. Smith				
106	Oklahoma Metropolitan				
104	Red River Valley				



Order No.	Name	1	2	3	4
132	Texas Panhandle				
120	Lubbock - Plainview				
96	Greater Louisiana				
94	New Orleans - Miss.				
126	Texas				
137	E. Colorado				
136	Great Basin				
134	W. Colorado				
131	C. Arizona				
138	Rio Grande Valley				
139	Lake Mead				
125	Puget Sound				
133	Inland Empire				
124	Oregon - Washington				

8/ Ten dollars and fifty cents = 10.50





FORM F-B  
Class I Prices 8/

Year 1978

Quarter

Order No.	Name	Quarter			
		1	2	3	4
1	New England				
2	New York - New Jersey				
4	Middle Atlantic				
12	Tampa Bay				
13	S.E. Florida				
6	Upper Florida				
7	Georgia				
40	S. Michigan				
36	E. Ohio - W. Penn.				
33	Ohio Valley				
44	Michigan Upper Penn.				
30	Chicago Regional				
46	Lou. -Lex. -Ev.				
49	Indiana				
32	S. Illinois				
50	C. Illinois				
68	Upper Midwest				
76	E. South Dakota				
75	Black Hills				
79	Iowa				
65	Nebraska - W. Iowa				
62	St. Louis - Ozarks				
64	Kansas City/Neo. Valley				
73	Wichita				
99	Paducah				
98	Nashville				
97	Memphis				
11	Tennessee Valley				
108	C. Arkansas/Ft. Smith				
106	Oklahoma Metropolitan				
104	Red River Valley				



Order No.	Name	1	2	3	4
132	Texas Panhandle				
120	Lubbock - Plainview				
96	Greater Louisiana				
94	New Orleans - Miss.				
126	Texas				
137	E. Colorado				
136	Great Basin				
134	W. Colorado				
131	C. Arizona				
138	Rio Grande Valley				
139	Lake Mead				
125	Puget Sound				
133	Inland Empire				
124	Oregon - Washington				

8/ \_\_\_\_\_ Ten dollars and fifty cents = 10.50



FORM F-B

Class I Prices 8/

Year 1979

Quarter

Order No.	Name	Quarter			
		1	2	3	4
1	New England				
2	New York - New Jersey				
4	Middle Atlantic				
12	Tampa Bay				
13	S. E. Florida				
6	Upper Florida				
7	Georgia				
40	S. Michigan				
36	E. Ohio - W. Penn.				
33	Ohio Valley				
44	Michigan Upper Penn.				
30	Chicago Regional				
46	Lou. -Lex. -Ev.				
49	Indiana				
32	S. Illinois				
50	C. Illinois				
68	Upper Midwest				
76	E. South Dakota				
75	Black Hills				
79	Iowa				
65	Nebraska - W. Iowa				
62	St. Louis - Ozarks				
64	Kansas City/Neo. Valley				
73	Wichita				
99	Paducah				
98	Nashville				
97	Memphis				
11	Tennessee Valley				
108	C. Arkansas/Ft. Smith				
106	Oklahoma Metropolitan				
104	Red River Valley				



Order No.	Name	1	2	3	4
132	Texas Panhandle				
120	Lubbock - Plainview				
96	Greater Louisiana				
94	New Orleans - Miss.				
126	Texas				
137	E. Colorado				
136	Great Basin				
134	W. Colorado				
131	C. Arizona				
138	Rio Grande Valley				
139	Lake Mead				
125	Puget Sound				
133	Inland Empire				
124	Oregon - Washington				

8/ Ten dollars and fifty cents = 10.50





FORM F-B

Class I Prices <sup>8/</sup>

Year 1980

Quarter

Order No.

1.

2

3

4

<u>Order No.</u>	<u>Name</u>	<u>1.</u>	<u>2</u>	<u>3</u>	<u>4</u>
1	New England				
2	New York - New Jersey				
4	Middle Atlantic				
12	Tampa Bay				
13	S.E. Florida				
6	Upper Florida				
7	Georgia				
40	S. Michigan				
36	E. Ohio - W. Penn.				
33	Ohio Valley				
44	Michigan Upper Penn.				
30	Chicago Regional				
46	Lou. -Lex. -Ev.				
49	Indiana				
32	S. Illinois				
50	C. Illinois				
68	Upper Midwest				
76	E. South Dakota				
75	Black Hills				
79	Iowa				
65	Nebraska - W. Iowa				
62	St. Louis - Ozarks				
64	Kansas City/Neo. Valley				
73	Wichita				
99	Paducah				
98	Nashville				
97	Memphis				
11	Tennessee Valley				
108	C. Arkansas/Ft. Smith				
106	Oklahoma Metropolitan				
104	Red River Valley				



Order No.	Name	1	2	3	4
132	Texas Panhandle				
120	Lubbock - Plainview				
96	Greater Louisiana				
94	New Orleans - Miss.				
126	Texas				
137	E. Colorado				
136	Great Basin				
134	W. Colorado				
131	C. Arizona				
138	Rio Grande Valley				
139	Lake Mead				
125	Puget Sound				
133	Inland Empire				
124	Oregon - Washington				

8/ \_\_\_\_\_ Ten dollars and fifty cents = 10.50



FORM F-B

Class I Prices 8/

Year 1981

Quarter

Order No.	Name	Quarter			
		1.	2	3	4
1	New England				
2	New York - New Jersey				
4	Middle Atlantic				
12	Tampa Bay				
13	S.E. Florida				
6	Upper Florida				
7	Georgia				
40	S. Michigan				
36	E. Ohio - W. Penn.				
33	Ohio Valley				
44	Michigan Upper Penn.				
30	Chicago Regional				
46	Lou. -Lex. -Ev.				
49	Indiana				
32	S. Illinois				
50	C. Illinois				
68	Upper Midwest				
76	E. South Dakota				
75	Black Hills				
79	Iowa				
65	Nebraska - W. Iowa				
62	St. Louis - Ozarks				
64	Kansas City/Neo. Valley				
73	Wichita				
99	Paducah				
98	Nashville				
97	Memphis				
11	Tennessee Valley				
108	C. Arkansas/Ft. Smith				
106	Oklahoma Metropolitan				
104	Red River Valley				



Order No.	Name	1	2	3	4
132	Texas Panhandle				
120	Lubbock - Plainview				
96	Greater Louisiana				
94	New Orleans - Miss.				
126	Texas				
137	E. Colorado				
136	Great Basin				
134	W. Colorado				
131	C. Arizona				
138	Rio Grande Valley				
139	Lake Mead				
125	Puget Sound				
133	Inland Empire				
124	Oregon - Washington				

8/ Ten dollars and fifty cents = 10.50





FORM F-B

Class II Prices<sup>2/</sup>

<u>Year</u>	<u>Quarter</u>			
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
1977	_____	_____	_____	_____
1978	_____	_____	_____	_____
1979	_____	_____	_____	_____
1980	_____	_____	_____	_____

Class III Prices<sup>2/</sup>

<u>Year</u>	<u>Quarter</u>			
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
1977	_____	_____	_____	_____
1978	_____	_____	_____	_____
1979	_____	_____	_____	_____
1980	_____	_____	_____	_____
1981	_____	_____	_____	_____

---

<sup>2/</sup> Ten dollars and fifty cents = 10.50. Class II and III prices specified here are also used as state order prices.



FORM F-C

Location differential (cents per mile)<sup>10/</sup>

\_\_\_\_\_

Quarterly change (cents)<sup>10/</sup>

\_\_\_\_\_

Class I base price (cents)<sup>10/</sup>

\_\_\_\_\_

---

<sup>10/</sup> Ten cents = .10



FORM F-D

Location Differential (cents per mile)<sup>11/</sup> \_\_\_\_\_

Class I Base Prices:<sup>11/</sup>

<u>Year</u>	<u>Quarter</u>			
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
1977	_____	_____	_____	_____
1978	_____	_____	_____	_____
1979	_____	_____	_____	_____
1980	_____	_____	_____	_____
1981	_____	_____	_____	_____

Class II Prices:<sup>11/ 12/</sup>

<u>Year</u>	<u>Quarter</u>			
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
1977	_____	_____	_____	_____
1978	_____	_____	_____	_____
1979	_____	_____	_____	_____
1980	_____	_____	_____	_____
1981	_____	_____	_____	_____

---

<sup>11/</sup> Ten cents = .10 and ten dollars and fifty cents = 10.50

<sup>12/</sup> Class II and III price specified here are also used as State Order prices.



Class III Prices: 11/ 12/

<u>Year</u>	<u>Quarter</u>			
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
1977	_____	_____	_____	_____
1978	_____	_____	_____	_____
1979	_____	_____	_____	_____
1980	_____	_____	_____	_____
1981	_____	_____	_____	_____





FORM S-A

No.	State	Class I Price Quarterly Percent Change <sup>13/</sup>	Demand Elasticity	Supply Elasticity	Reserve <sup>13/</sup> Requirement
1	Alabama	_____	_____	_____	_____
2	California	_____	_____	_____	_____
3	Maine	_____	_____	_____	_____
4	Massachusetts	_____	_____	_____	_____
5	Montana	_____	_____	_____	_____
6	Nevada	_____	_____	_____	_____
7	New York	_____	_____	_____	_____
8	N. Carolina	_____	_____	_____	_____
9	N. Dakota	_____	_____	_____	_____
10	Pennsylvania	_____	_____	_____	_____
11	S. Carolina	_____	_____	_____	_____
12	Vermont	_____	_____	_____	_____
13	Virginia	_____	_____	_____	_____
14	Wyoming	_____	_____	_____	_____

---

<sup>13/</sup> Ten percent = 10



FORM S-B

Class I Prices <sup>14/</sup>  
Year 1977

<u>No.</u>	<u>State</u>	<u>Quarter</u>			
		<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
1	Alabama	_____	_____	_____	_____
2	California	_____	_____	_____	_____
3	Maine	_____	_____	_____	_____
4	Massachusetts	_____	_____	_____	_____
5	Montana	_____	_____	_____	_____
6	Nevada	_____	_____	_____	_____
7	New York	_____	_____	_____	_____
8	N. Carolina	_____	_____	_____	_____
9	N. Dakota	_____	_____	_____	_____
10	Pennsylvania	_____	_____	_____	_____
11	S. Carolina	_____	_____	_____	_____
12	Vermont	_____	_____	_____	_____
13	Virginia	_____	_____	_____	_____
14	Wyoming	_____	_____	_____	_____

14/ Ten dollars and fifty cents = 10.50



FORM S-B

Class I Prices <sup>14/</sup>

Year 1978

No.	State	Quarter			
		1	2	3	4
1	Alabama	_____	_____	_____	_____
2	California	_____	_____	_____	_____
3	Maine	_____	_____	_____	_____
4	Massachusetts	_____	_____	_____	_____
5	Montana	_____	_____	_____	_____
6	Nevada	_____	_____	_____	_____
7	New York	_____	_____	_____	_____
8	N. Carolina	_____	_____	_____	_____
9	N. Dakota	_____	_____	_____	_____
10	Pennsylvania	_____	_____	_____	_____
11	S. Carolina	_____	_____	_____	_____
12	Vermont	_____	_____	_____	_____
13	Virginia	_____	_____	_____	_____
14	Wyoming	_____	_____	_____	_____

14/ Ten dollars and fifty cents = 10.50



FORM S-B

Class I Prices <sup>14/</sup>  
Year 1979

No.	State	Quarter			
		1	2	3	4
1	Alabama	_____	_____	_____	_____
2	California	_____	_____	_____	_____
3	Maine	_____	_____	_____	_____
4	Massachusetts	_____	_____	_____	_____
5	Montana	_____	_____	_____	_____
6	Nevada	_____	_____	_____	_____
7	New York	_____	_____	_____	_____
8	N. Carolina	_____	_____	_____	_____
9	N. Dakota	_____	_____	_____	_____
10	Pennsylvania	_____	_____	_____	_____
11	S. Carolina	_____	_____	_____	_____
12	Vermont	_____	_____	_____	_____
13	Virginia	_____	_____	_____	_____
14	Wyoming	_____	_____	_____	_____

14/ Ten dollars and fifty cents = 10.50





FORM S-B

Class I Prices <sup>14/</sup>  
Year 1980

No.	State	Quarter			
		1	2	3	4
1	Alabama	_____	_____	_____	_____
2	California	_____	_____	_____	_____
3	Maine	_____	_____	_____	_____
4	Massachusetts	_____	_____	_____	_____
5	Montana	_____	_____	_____	_____
6	Nevada	_____	_____	_____	_____
7	New York	_____	_____	_____	_____
8	N. Carolina	_____	_____	_____	_____
9	N. Dakota	_____	_____	_____	_____
10	Pennsylvania	_____	_____	_____	_____
11	S. Carolina	_____	_____	_____	_____
12	Vermont	_____	_____	_____	_____
13	Virginia	_____	_____	_____	_____
14	Wyoming	_____	_____	_____	_____

14/ Ten dollars and fifty cents = 10.50



FORM S-B

Class I Prices <sup>14/</sup>

Year 1981

No.	State	Quarter			
		1	2	3	4
1	Alabama	_____	_____	_____	_____
2	California	_____	_____	_____	_____
3	Maine	_____	_____	_____	_____
4	Massachusetts	_____	_____	_____	_____
5	Montana	_____	_____	_____	_____
6	Nevada	_____	_____	_____	_____
7	New York	_____	_____	_____	_____
8	N. Carolina	_____	_____	_____	_____
9	N. Dakota	_____	_____	_____	_____
10	Pennsylvania	_____	_____	_____	_____
11	S. Carolina	_____	_____	_____	_____
12	Vermont	_____	_____	_____	_____
13	Virginia	_____	_____	_____	_____
14	Wyoming	_____	_____	_____	_____

14/ Ten dollars and fifty cents = 10.50



FORM S-C

Location differential (cents per mile)<sup>15/</sup>

Quarterly change (cents)<sup>15</sup>

Class I base price (cents)<sup>15/</sup>

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

---

<sup>15/</sup> ten cents = .10



FORM S-D

Location differential (cents per mile)<sup>16/</sup>

Class I base prices:<sup>16/</sup>

<u>Year</u>	<u>Quarter</u>			
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
1977	_____	_____	_____	_____
1978	_____	_____	_____	_____
1979	_____	_____	_____	_____
1980	_____	_____	_____	_____
1981	_____	_____	_____	_____

<sup>16/</sup> ten cents = .10 and ten dollars and fifty cents = 10.50





OUTPUT

As indicated in the previous section, a variety of reports are available from DAMPS. A sample of each report follows each description.

Summary Report - Federal Orders

This report contains information on key variables for the aggregate federal order system. Current period values and absolute and percentage changes from a year ago are shown. Summary Reports and Comparative Summary Reports are the only reports printed when a 4 is entered on the input form for reports desired (question 6). Reports can be requested by quarters and years.

DECISION NAME - SAMPLE

=====

SUMMARY REPORT

-----  
QUARTER 1 YEAR 1977  
-----

	THIS PERIOD	CHANGE FROM YEAR AGO ABSOLUTE	PERCENTAGE
PRODUCER RECEIPTS (MIL. POUNDS)	18505.2	-6.5	-.0
CLASS I SALES (MIL. POUNDS)	10505.8	-74.3	-.7
CLASS II SALES (MIL. POUNDS)	1184.8	18.0	1.5
CLASS III SALES (MIL. POUNDS)	6814.6	49.8	.7
CLASS I UTILIZATION (PCT.)	56.8	-.4	-.7
CLASS I PRICE (\$ - WT. AVE.)	11.01	-.18	-1.6
CLASS II PRICE (\$ - WT. AVE.)	8.36	-.32	-3.7
CLASS III PRICE (\$ - WT. AVE.)	8.16	-.42	-4.9
GROSS BLEND PRICE (\$ - WT. AVE.)	9.79	-.29	-2.9
VALUE OF POOL (THOUS. \$)	1811454.	-54028.	-2.9
NET FARM PRICE (\$ - WT. AVE.)	9.31	-.28	-2.9
RETURN OVER DIRECT COST (\$-WT. AVE.)	3.04	-.31	-9.1
MARKETING MARGIN (THOUS. \$)	918577.	-6797.	-.7
CONSUMER EXPENDITURE (THOUS. \$)	2074904.	-34251.	-1.6
RETAIL PRICE (WT. AVE. - CTS. 1/2 GAL.)	84.9	-.8	-.9
FARM-RETAIL PRICE SPREAD (WT.AVE.-CTS.)	37.6	-.0	-.0
PROCESSING CAPACITY UTILIZATION (PCT.)	58.8	-.4	-.7
MFG. CAPACITY UTILIZATION (PCT.)	53.0	.4	.7
RAW MILK TRANSPORTATION COST (000\$)	0	0	0
PACKAGED MILK TRANSPORTATION COST(000\$)	11.	0	0

Federal Order Report

This report contains prices, producer receipts, and Class I utilization for individual federal orders. It is obtained when a 1 or 2 is entered for reports desired (question 6) on the input form. Reports can be requested for quarters and years.

DECISION NAME - SAMPLE

FEDERAL ORDER REPORT

QUARTER 1 YEAR 1977

ORDER NO.	NAME	PRODUCER RECEIPTS MIL.LBS.	PCT. CHANGE FROM YR. AGO	CLASS I USE PCT.	CLASS I PRICE \$/CWT.	CLASS II	CLASS III	GROSS BLEND
						PRICE \$/CWT.	PRICE \$/CWT.	PRICE \$/CWT.
1	NEW ENG.	1248.2	.1	60.2	11.70	8.36	8.16	10.29
2	N.Y.-N.J.	2348.1	-.2	50.4	11.21	8.36	8.16	9.70
4	MID. ATL.	1276.2	-.2	65.1	11.40	8.36	8.16	10.27
12	TAMPA BAY	142.0	.3	89.5	12.21	8.36	8.16	11.79
13	SE FLORIDA	207.2	.5	90.9	12.20	8.36	8.16	11.83
6	UP FLORIDA	173.1	.5	87.5	12.19	8.36	8.16	11.69
7	GEORGIA	387.1	.4	79.0	11.43	8.36	8.16	10.76
40	S MICHIGAN	971.8	.1	61.3	10.89	8.36	8.16	9.85
36	E.OH-W.PA	851.4	.2	64.3	10.84	8.36	8.16	9.90
33	OHIO VAL.	709.9	.3	66.7	10.87	8.36	8.16	9.98
44	MICH. U.P.	23.3	.2	56.6	10.25	8.36	8.16	9.34
30	CHICAGO	2396.4	-.3	33.7	10.38	8.36	8.16	8.93
46	LOU-LEX-EV	292.5	-.1	69.9	10.78	8.36	8.16	10.00
49	INDIANA	529.5	.4	66.4	10.71	8.36	8.16	9.88
32	S ILLINOIS	271.5	-.1	59.0	10.40	8.36	8.16	9.51
50	C ILLINOIS	57.7	-2.2	60.3	10.27	8.36	8.16	9.45
68	UP MIDWEST	1489.9	-.6	27.0	9.97	8.36	8.16	8.66
76	E S.DAKOTA	70.0	-.4	48.7	10.21	8.36	8.16	9.18
75	BLK. HILLS	15.8	.0	58.4	10.82	8.36	8.16	9.71
79	IOWA	334.9	-.1	53.8	10.18	8.36	8.16	9.26
65	NEB-W.IOWA	266.0	-.3	54.4	10.44	8.36	8.16	9.43
62	ST.L.-OZKS	407.5	.3	68.8	10.47	8.36	8.16	9.77
64	K.C./NEO.V	256.3	-.4	60.1	10.58	8.36	8.16	9.65
73	WICHITA	84.4	-.1	60.2	10.70	8.36	8.16	9.70
99	PADUCAH	30.3	.2	89.1	10.42	8.36	8.16	10.20
98	NASHVILLE	143.6	-.3	54.9	11.09	8.36	8.16	9.78
97	MEMPHIS	81.2	3.2	84.7	10.86	8.36	8.16	10.46
11	TENN. VAL.	296.5	.1	72.4	11.25	8.36	8.16	10.40
108	C.ARK/F.S.	92.2	2.7	87.0	10.92	8.36	8.16	10.57
106	OKLA.METRO	186.6	-.1	68.4	10.84	8.36	8.16	10.02
104	RED RIVER	36.0	.8	74.2	11.03	8.36	8.16	10.31
132	TEXAS PAN.	21.6	1.8	81.3	11.66	8.36	8.16	11.02
120	LUB-PLNVW.	19.2	1.7	84.2	11.83	8.36	8.16	11.26
96	GR. LOUIS.	155.3	-.5	83.1	11.20	8.36	8.16	10.69
94	N. ORLEANS	304.2	.0	69.7	11.49	8.36	8.16	10.49
126	TEXAS	866.3	.4	75.2	11.19	8.36	8.16	10.46
137	E COLORADO	200.8	.6	74.3	11.42	8.36	8.16	10.60
136	GR. BASIN	171.9	.0	57.5	10.51	8.36	8.16	9.53
134	W COLORADO	13.5	.8	75.2	10.88	8.36	8.16	10.21
131	C. ARIZONA	209.9	-.0	63.6	11.09	8.36	8.16	10.05
138	RIO GRANDE	102.7	.6	79.9	11.60	8.36	8.16	10.93
139	LAKE MEAD	31.0	.2	67.2	10.17	8.36	8.16	9.52
125	PUGET SD.	367.7	-.4	42.8	10.52	8.36	8.16	9.20
133	INLAND EMP	57.9	-.3	60.4	10.56	8.36	8.16	9.63
124	ORE-WASH	305.9	0	61.0	10.52	8.36	8.16	9.63
TOTAL		18505.2	-----	-----	-----	-----	-----	-----
WEIGHTED AVERAGE			-.0	56.8	11.01	8.36	8.16	9.79

Federal Order Report-Sales

This report contains Class I, Class II, and Class III sales and percent changes from a year ago for each market. In cases where there is not sufficient milk to meet Class II requirements, it is assumed that such products are made with milk from non-order sources, and any such deficiency is reported on the last line in the report. This report is printed when 1 or 2 is entered for reports desired (question 6) on the input form. Reports can be requested for quarters and years.

DECISION NAME - SAMPLE

FEDERAL ORDER REPORT - SALES

QUARTER 1 YEAR 1977

ORDER NO.	NAME	CLASS I SALES MIL.LBS.	PCT. CHANGE FROM YR.AGO	CLASS II SALES MIL.LBS.	PCT. CHANGE FROM YR.AGO	CLASS III SALES MIL.LBS.	PCT. CHANGE FROM YR.AGO
1	NEW ENG.	751.8	-.6	0	0	496.4	1.4
2	N.Y.-N.J.	1182.6	-.6	0	0	1165.5	.3
4	MID. ATL.	831.3	-.6	0	0	445.0	.5
12	TAMPA BAY	127.2	-.7	0	0	14.8	9.5
13	SE FLORIDA	188.3	-.7	0	0	18.9	14.1
6	UP FLORIDA	151.5	-.8	0	0	21.6	10.8
7	GEORGIA	305.9	-1.1	23.3	1.6	57.8	8.4
40	S MICHIGAN	595.6	-.8	71.5	1.6	304.7	1.5
36	E.OH-W.PA	547.8	-.8	55.8	1.6	247.8	2.1
33	OHIO VAL.	473.3	-.8	60.3	1.6	176.3	3.1
44	MICH. U.P.	13.2	-.8	0	0	10.1	1.4
30	CHICAGO	806.5	-.5	275.6	1.6	1314.4	-.6
46	LOU-LEX-EV	204.5	-.7	15.4	1.6	72.6	1.5
49	INDIANA	351.6	-.8	76.0	1.6	102.0	3.9
32	S ILLINOIS	160.2	-.8	32.2	1.6	79.1	.5
50	C ILLINOIS	34.8	-.7	4.7	1.6	18.2	-5.7
68	UP MIDWEST	402.5	-.4	60.4	1.6	1027.0	-.8
76	E S.DAKOTA	34.1	-.5	9.2	1.6	26.7	-.9
75	BLK. HILLS	9.2	-.8	0	0	6.6	1.3
79	IOWA	180.3	-.8	27.0	1.6	127.6	.5
65	NEB-W.IOWA	144.9	-.7	31.8	1.6	89.4	-.4
62	ST.L.-OZKS	280.5	-.7	48.7	1.6	78.3	3.4
64	K.C./NEO.V	154.1	-.6	44.0	1.6	58.2	-1.5
73	WICHITA	50.8	-.8	6.6	1.6	27.0	.7
99	PADUCAH	27.0	3.4	3.3	-6.8	0	-100.0
98	NASHVILLE	78.9	-2.3	6.2	1.6	58.5	2.4
97	MEMPHIS	68.8	-.8	6.6	1.6	5.8	105.6
11	TENN. VAL.	214.6	-.9	0	0	81.9	2.7
108	C.ARK/F.S.	80.2	-.9	4.0	1.6	8.0	60.6
106	OKLA.METRO	127.7	-.5	24.0	1.6	35.0	.6
104	RED RIVER	26.7	.3	4.1	1.6	5.1	3.2
132	TEXAS PAN.	17.5	-2.9	2.0	1.6	2.0	75.2
120	LUB-PLNVW.	16.2	-3.0	.8	1.6	2.3	53.8
96	GR. LOUIS.	129.0	-.3	2.5	1.6	23.7	-2.2
94	N. ORLEANS	211.9	-.5	11.9	1.6	80.4	1.2
126	TEXAS	651.3	-.8	98.8	1.6	116.1	6.2
137	E COLORADO	149.2	-.9	19.9	1.6	31.8	7.4
136	GR. BASIN	98.9	-.7	12.6	1.6	60.5	1.0
134	W COLORADO	10.2	-.7	.3	1.6	3.1	5.7
131	C. ARIZONA	133.4	-.5	28.9	1.6	47.6	.3
138	RIO GRANDE	82.0	-.8	12.6	1.6	8.1	16.2
139	LAKE MEAD	20.8	-.7	1.6	1.6	8.6	2.1
125	PUGET SD.	157.4	-.7	54.7	1.6	155.5	-.8
133	INLAND EMP	35.0	-.7	6.5	1.6	16.4	-.1
124	ORE-WASH	186.6	-.7	41.1	1.6	78.2	.9
TOTAL		10505.8	-----	1184.8	-----	6814.6	-----
WEIGHTED AVERAGE			-.7		1.5		.7
CLASS II SALES FROM NONORDER SOURCES :					.3		

Milk Production Report

This report contains producer receipts in each federal order pool during the current period. The report on movements from direct ship supply areas can be used to determine the effects of shifts of producers into and out of the pool on producer receipts in each federal order pool. The net farm price is the federal order gross blend price less farm to plant hauling charges less a producer marketing charge of 15 cents. The return over direct cost is the amount by which the net farm price exceeds the direct milk production cost for that supply center. This report is printed when 1 or 2 is entered for reports desired (question 6) on the input form. Reports can be requested for quarters and years.



DECISION NAME - SAMPLE  
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MILK PRODUCTION REPORT  
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QUARTER 1 YEAR 1977  
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SUPPLY AREA NO.	NAME	PRODUCTION MIL. LBS.	PCT. CHANGE YR. AGO	GROSS BLEND PRICE	NET FARM PRICE	RETURN OVER DIRECT COST
1	NEW ENG.	1248.2	.1	10.29	9.80	4.04
2	N.Y.-N.J.	2348.1	-.2	9.70	9.22	3.58
4	MID. ATL.	1276.2	-.2	10.27	9.75	3.80
12	TAMPA BAY	142.0	.3	11.79	11.38	2.27
13	SE FLORIDA	207.2	.5	11.83	11.33	2.22
6	UP FLORIDA	173.1	.5	11.69	11.19	2.08
7	GEORGIA	387.1	.4	10.76	10.24	3.33
40	S MICHIGAN	971.8	.1	9.85	9.35	4.18
36	E.OH-W.PA	851.4	.2	9.90	9.39	3.96
33	OHIO VAL.	709.9	.3	9.98	9.40	3.79
44	MICH. U.P.	23.3	.2	9.34	8.76	3.59
30	CHICAGO	2396.6	-.3	8.93	8.59	2.14
46	LOU-LEX-EV	292.5	-.1	10.00	9.44	3.23
49	INDIANA	529.5	.4	9.88	9.41	3.80
32	S ILLINOIS	271.5	-.1	9.51	9.05	3.44
50	C ILLINOIS	57.7	-2.2	9.45	8.93	3.32
68	UP MIDWEST	1489.9	-.6	8.66	8.26	2.09
76	E S.DAKOTA	70.0	-.4	9.18	8.66	2.79
75	BLK. HILLS	15.8	.0	9.71	9.16	3.29
79	IOWA	334.9	-.1	9.26	8.78	3.45
65	NEB-W. IOWA	266.0	-.3	9.43	8.86	2.99
62	ST.L.-OZKS	407.5	.3	9.77	9.25	3.16
64	K.C./NEO.V	256.3	-.4	9.65	9.16	3.07
73	WICHITA	84.4	-.1	9.70	9.18	3.09
99	PADUCAH	30.3	.2	10.20	9.67	3.46
98	NASHVILLE	143.6	-.3	9.78	9.21	3.00
97	MEMPHIS	81.2	3.2	10.46	10.00	3.79
11	TENN. VAL.	296.5	.1	10.40	9.93	3.23
108	C.ARK/F.S.	92.2	2.7	10.57	9.98	2.21
106	OKLA.METRO	186.6	-.1	10.02	9.38	1.61
104	RED RIVER	36.0	.8	10.31	9.69	1.92
132	TEXAS PAN.	21.6	1.8	11.02	10.47	2.70
120	LUB-PLNVW.	19.2	1.7	11.26	10.73	2.96
96	GR. LOUIS.	155.3	-.5	10.69	10.18	2.36
94	N. ORLEANS	304.2	.0	10.49	9.94	2.12
126	TEXAS	866.3	.4	10.46	9.91	2.14
137	E COLORADO	200.8	.6	10.60	10.09	2.90
136	GR. BASIN	171.9	.0	9.53	9.03	1.84
134	W COLORADO	13.5	.8	10.21	9.77	2.58
131	C. ARIZONA	209.9	-.0	10.05	9.60	1.83
138	RIO GRANDE	102.7	.6	10.93	10.37	2.60
139	LAKE MEAD	31.0	.2	9.52	8.87	1.10
125	PUGET SD.	367.7	-.4	9.20	8.73	1.87
133	INLAND EMP	57.9	-.3	9.63	8.94	2.08
124	ORE-WASH	305.9	0	9.63	9.12	2.26
TOTAL		18505.2				
WEIGHTED AVERAGE			-.0	9.79	9.31	3.04

Processing Center Report

This report contains packaged milk sales and the percentage utilization of Class I processing capacity for each federal order fluid milk processing center. Raw milk acquisition cost is for Class I milk only. It includes the Class I price paid, any transportation costs incurred (including the transportation subsidies paid to induce producers to shift markets), and handling charges. Raw milk transportation costs are only for movements of milk from supply plants to processing centers in another federal order. Packaged milk transportation costs are only for movements from a fluid milk processing center to a consumption center (marketing area) of another federal order. Total cost per hundredweight is the sum of raw milk acquisition cost, processing costs, delivery/selling/administration costs (\$2.95 per hundredweight), and packaged milk transportation cost (intermarket). This report is printed when 1 or 2 is entered for reports desired (question 6) on the input form. Reports can be requested for quarters and years.

DECISION NAME - SAMPLE  
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PROCESSING CENTER REPORT  
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QUARTER 1 YEAR 1977  
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PROCESSING CENTER NO.	NAME	PACKAGED MILK SALES	CAPACITY USE PCT.	RAW MILK ACQUIS. COST	RAW MILK TRANS. COST	PACKAGED MILK TRANS. COST	TOTAL COST PER CWT.
1	NEW ENG.	751.8	77.1	11.70	0	0	17.18
2	N.Y.-N.J.	1182.6	83.0	11.21	0	0	16.60
4	MID. ATL.	831.3	78.1	11.40	0	0	16.76
12	TAMPA BAY	127.2	77.1	12.21	0	0	17.68
13	SE FLORIDA	188.3	78.5	12.20	0	0	17.58
6	UP FLORIDA	151.5	77.7	12.19	0	0	17.64
7	GEORGIA	305.9	81.6	11.43	0	0	16.91
40	S MICHIGAN	595.6	75.2	10.89	0	0	16.17
36	E.OH-W.PA	547.8	73.0	10.84	0	0	16.37
33	OHIO VAL.	473.3	68.6	10.87	0	0	16.36
44	MICH. U.P.	13.2	55.1	10.25	0	0	16.51
30	CHICAGO	806.5	71.7	10.38	0	0	15.74
46	LOU-LEX-EV	204.5	75.7	10.78	0	0	16.28
49	INDIANA	351.6	75.6	10.71	0	0	16.17
32	S ILLINOIS	160.2	71.2	10.40	0	0	15.88
50	C ILLINOIS	34.8	64.4	10.27	0	0	15.98
68	UP MIDWEST	402.5	72.5	9.97	0	0	15.41
76	E S.DAKOTA	34.1	71.0	10.21	0	0	15.72
75	BLK. HILLS	9.2	76.9	10.82	0	0	16.70
79	IOWA	180.3	66.8	10.18	0	0	15.62
65	NEB-W.IOWA	144.9	74.3	10.44	0	0	15.99
62	ST.L.-DZKS	280.5	81.3	10.47	0	0	15.79
64	K.C./NEO.V	154.1	67.6	10.58	0	0	16.17
73	WICHITA	50.8	48.4	10.70	0	0	16.35
99	PADUCAH	27.0	69.2	10.42	0	.0215	16.04
98	NASHVILLE	78.9	75.1	11.09	0	0	16.61
97	MEMPHIS	68.8	65.6	10.86	0	0	16.34
11	TENN. VAL.	214.6	87.2	11.25	0	0	16.69
108	C.ARK/F.S.	80.2	60.7	10.92	0	0	16.49
106	OKLA.METRO	127.7	65.5	10.84	0	.0020	16.39
104	RED RIVER	26.7	74.2	11.03	0	.0079	16.74
132	TEXAS PAN.	17.5	64.9	11.66	0	0	17.34
120	LUB-PLNVW.	16.2	60.0	11.83	0	0	17.51
96	GR. LOUIS.	129.0	61.4	11.20	0	0	16.93
94	N. ORLEANS	211.9	83.1	11.49	0	0	17.11
126	TEXAS	651.3	79.0	11.19	0	0	16.61
137	E COLORADO	149.2	76.5	11.42	0	0	16.94
136	GR. BASIN	98.9	59.9	10.51	0	0	16.12
134	W COLORADO	10.2	67.8	10.88	0	0	16.93
131	C. ARIZONA	133.4	74.1	11.09	0	0	16.52
138	RIO GRANDE	82.0	60.7	11.60	0	0	17.32
139	LAKE MEAD	20.8	77.1	10.17	0	0	15.91
125	PUGET SD.	157.4	75.0	10.52	0	0	15.89
133	INLAND EMP	35.0	72.8	10.56	0	0	16.22
124	ORE-WASH	186.6	75.0	10.52	0	0	16.22
WEIGHTED AVERAGE		-----	58.8	11.01	0	.0001	16.46
TOTAL		10505.8					

Manufacturing Center Report

This report contains the volume of milk processed at each federal order manufacturing center and its utilization of capacity. The centers are identified by federal order number and name for centers associated with a single federal order and by state and number for centers which are for several federal order plants in a region. This report is printed when 1 or 2 is entered for reports desired (question 6) on the input form. Reports can be requested for quarters and years.

DECISION NAME - SAMPLE

MANUFACTURING CENTER REPORT

QUARTER 1 YEAR 1977

CENTER ID	NAME	MANUFACTURED MILK (MIL.LBS.)	CAPACITY UTILIZATION (PERCENT)
4	MID. ATL.	178.9	29.1
33	OHIO VAL.	104.1	26.7
44	MICH. U.P.	7.5	31.2
46	LOU-LEX-EV	43.0	28.7
49	INDIANA	79.5	29.5
50	C ILLINOIS	15.9	35.4
76	E S.DAKOTA	25.7	28.6
73	WICHITA	24.0	40.0
98	NASHVILLE	50.5	56.2
125	PUGET SD.	163.0	51.8
133	INLAND EMP	14.2	24.9
1	NEW ENG.	255.8	35.5
2	N.Y.-N.J.	751.4	43.2
40	S MICHIGAN	197.5	42.5
36	E.OH-W.PA	144.7	32.2
30	CHICAGO	1307.8	65.5
32	S ILLINOIS	71.2	43.2
68	UP MIDWEST	946.5	47.4
79	IOWA	96.9	25.8
65	NEB-W.IOWA	77.7	43.2
62	ST.L.-OZKS	48.4	23.1
64	K.C./NEO.V	59.1	32.8
11	TENN. VAL.	49.7	47.4
124	ORE-WASH	63.3	24.8
FL.	FLORIDA	3.4	5.7
GA1	GEORGIA(1)	8.0	66.7
LA1	LOUISIANA1	49.9	41.6
LA2	LOUISIANA2	6.9	76.5
TX1	TEXAS (1)	69.0	100.0
TX2	TEXAS (2)	5.3	2.3
OK.	OKLAHOMA	33.5	20.3
TX3	TEXAS (3)	2.5	83.5
NM.	NEW MEXICO	8.4	46.5
AZ.	ARIZONA	48.5	40.4
UT1	UTAH (1)	9.0	100.0
UT2	UTAH (2)	7.4	7.5
CO1	COLORADO1	2.1	71.3
CO2	COLORADO2	.3	.5
SD1	S. DAKOTA1	4.3	15.8
TN1	TENN (1)	44.4	74.1
ID1	IDAHO (1)	36.0	100.0
ID2	IDAHO (2)	14.1	46.9
TOTAL		5129.7	
AVERAGE			39.9

Consumption Report

This report contains Class I sales<sup>17/</sup> made in the various federal order consumption centers (in-area Class I sales when that figure is used as the sales base). Retail prices for fluid milk are calculated as the total cost per hundredweight for processing centers multiplied by 1.2 (retail markup) divided by 23.256 (to convert from hundredweight to half gallon). The farm to retail price spread is the difference between the retail price and the Class I price on a half gallon basis. This report is printed when 1 or 2 is entered for reports desired (question 6) on the input form. Reports can be requested for quarters and years.

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<sup>17/</sup>More precisely, this is the sum of producer receipts used in Class I which is distributed in a consumption center by all processing centers making Class I sales in that consumption center.

DECISION NAME - SAMPLE

CONSUMPTION REPORT

QUARTER 1 YEAR 1977

CONSUMPTION CENTER NO.	NAME	IN AREA CLASS I SALES	PCT. CHANGE YR. AGO	RETAIL PRICE - CTS. PER 1/2 GAL.	FARM RETAIL PRICE SPREAD
1	NEW ENG.	751.8	-.6	88.7	38.4
2	N.Y.-N.J.	1182.6	-.6	85.7	37.5
4	MID. ATL.	831.3	-.6	86.5	37.5
12	TAMPA BAY	127.2	-.7	91.2	38.7
13	SE FLORIDA	188.3	-.7	90.7	38.3
6	UP FLORIDA	151.5	-.8	91.0	38.6
7	GEORGIA	305.9	-1.1	87.3	38.1
40	S MICHIGAN	595.6	-.8	83.4	36.6
36	E.OH-W.PA	547.8	-.8	84.5	37.9
33	OHIO VAL.	473.3	-.8	84.4	37.7
44	MICH. U.P.	13.2	-.8	85.2	41.1
30	CHICAGO	806.5	-.5	81.2	36.6
46	LOU-LEX-EV	-204.5	-.7	84.0	37.7
49	INDIANA	351.6	-.8	83.4	37.4
32	S ILLINOIS	160.2	-.8	81.9	37.2
50	C ILLINOIS	34.8	-.7	82.5	38.3
68	UP MIDWEST	402.5	-.4	79.5	36.6
76	E S.DAKOTA	34.1	-.5	81.1	37.2
75	BLK. HILLS	9.2	-.8	86.2	39.6
79	IOWA	180.3	-.8	80.6	36.8
65	NEB-W.IOWA	144.9	-.7	82.5	37.6
62	ST.L.-OZKS	280.5	-.7	81.5	36.5
64	K.C./NEO.V	154.1	-.6	83.4	37.9
73	WICHITA	50.8	-.8	84.4	38.4
99	PADUCAH-	26.0	-.5	82.7	37.9
98	NASHVILLE	79.9	-1.0	85.7	38.1
97	MEMPHIS	68.8	-.8	84.3	37.6
11	TENN. VAL.	214.6	-.9	86.1	37.7
108	C.ARK/F.S.	80.2	-.9	85.1	38.1
106	OKLA.METRO	127.4	-.8	84.6	38.0
104	RED RIVER	26.4	-.8	86.3	38.9
132	TEXAS PAN.	17.8	-1.3	89.5	39.4
120	LUB-PLNVW.	16.5	-1.3	90.3	39.5
96	GR. LOUIS.	129.0	-.3	87.4	39.2
94	N. ORLEANS	211.9	-.5	88.3	38.9
126	TEXAS	651.3	-.8	85.7	37.6
137	E COLORADO	149.2	-.9	87.4	38.3
136	GR. BASIN	98.9	-.7	83.2	38.0
134	W COLORADO	10.2	-.7	87.4	40.6
131	C. ARIZONA	133.4	-.5	85.2	37.6
138	RIO GRANDE	82.0	-.8	89.4	39.5
139	LAKE MEAD	20.8	-.7	82.1	38.4
125	FUGET SD.	157.4	-.7	82.0	36.8
133	INLAND EMP	35.0	-.7	83.7	38.3
124	ORE-WASH	186.6	-.7	83.7	38.5
TOTAL		10505.8	-.7		
WEIGHTED AVERAGE				84.9	37.6

Raw Milk Movements from Direct Ship Supply Areas to Processing Centers

This report contains raw milk movements from each direct ship supply area to each fluid milk processing center. Both federal order and state order movements are reported. These movements are summarized at the bottom of the report. These movements are not comparable to producer receipts used in Class I, as they include the Class I reserve requirement. This report is printed when 1 or 3 is entered for reports desired (question 6) on the input form. Reports can be requested for quarters and years.



DECISION NAME - SAMPLE

RAW MILK MOVEMENTS  
FROM DIRECT SHIP SUPPLY AREAS TO PROCESSING CENTERS

QUARTER 1 YEAR 1977

FROM ORDER NO.	NO.	AMOUNT	MOVEMENTS TO (MIL. LBS.)				NO.	AMOUNT
			NO.	AMOUNT	NO.	AMOUNT		
1	1	748.9						
2	2	1526.3						
4	4	1097.3						
12	12	138.6						
13	13	207.1						
6	6	165.1						
7	7	307.8						
40	40	677.2						
36	36	655.6						
33	33	605.8						
44	44	15.9						
30	30	801.1	97	.7				
46	46	249.5						
49	49	450.0						
32	32	184.0	99	.1				
50	50	41.7	97	1.3				
68	68	543.3	108	1.7				
76	76	44.3						
75	75	11.5						
79	79	207.8						
65	65	186.2						
62	62	285.3						
64	64	179.4						
73	73	60.5						
99	99	30.2						
98	98	93.1						
97	97	79.2						
11	11	232.0						
108	108	90.5						
106	106	155.7						
104	104	30.7						
132	132	20.1						
120	120	18.1						
96	96	148.4						
94	94	254.3						
126	126	736.3						
137	137	180.5						
136	136	126.5						
134	134	11.4						
131	131	161.4						
138	138	94.3						
139	139	23.9						
125	125	204.6						
133	133	43.7						
124	124	235.8						
201	201	230.6						
202	202	1806.3						
203	203	75.9						
204	204	9.0						
205	205	47.5						
206	206	22.0						
207	207	153.7						
208	208	324.0						
209	209	23.0						
210	210	172.8						
211	211	101.6						
212	212	36.1						
213	213	142.3						
214	214	15.0						
TOTAL MOVEMENTS TO PRIMARY PROCESSING CENTERS					(MIL.LBS.)	15521.1		
TOTAL MOVEMENTS TO OTHER PROCESSING CENTERS					(MIL.LBS.)	3.8		

Raw Milk Movements from Supply Plants to Processing Centers

This report contains the same type of information as the previous table and is obtained in the same way. Because there are no supply plants in state orders, this report contains results only for federal orders.

DECISION NAME - SAMPLE  
=====

RAW MILK MOVEMENTS  
FROM SUPPLY PLANTS TO PROCESSING CENTERS

-----  
QUARTER 1 YEAR 1977  
-----

FROM ORDER NO.	NO.	AMOUNT	MOVEMENTS TO (MIL. LBS.)						
			NO.	AMOUNT	NO.	AMOUNT	NO.	AMOUNT	
1	1	243.4							
2	2	70.3							
7	7	34.8							
40	40	97.2							
36	36	51.1							
30	30	287.7							
32	32	16.3							
79	79	30.1							
65	65	2.1							
62	62	73.8							
64	64	17.8							
11	11	14.8							
126	126	58.3							
137	137	6.0							
124	124	6.9							
TOTAL MOVEMENTS TO PRIMARY PROCESSING CENTERS (MIL.LBS.)								4221.4	
TOTAL MOVEMENTS TO OTHER PROCESSING CENTERS (MIL.LBS.)								0	

Raw Milk Movements from Direct Ship Supply Areas to Manufacturing Centers

This report contains raw milk movements from each direct ship supply area to manufacturing centers. Both federal order and state order movements are reported. These movements are summarized at the bottom of the table. These movements do not include milk used in Class II (soft manufactured products) or the Class I reserve requirement. They are, therefore, not comparable to Class III sales in the federal order sales report, which may include movements of the Class I reserve requirement to manufacturing centers. The sum of movements from each direct ship supply area to fluid milk processing centers and of movements from each direct ship supply area to manufacturing centers equals total production in each direct ship supply area. This report is printed when 1 or 3 is entered for reports desired (question 6) on the input form. Reports can be requested for quarters and years.

DECISION NAME - SAMPLE

=====

RAW MILK MOVEMENTS  
FROM DIRECT SHIP SUPPLY AREAS TO MANUFACTURING CENTERS

-----  
QUARTER 1 YEAR 1977  
-----

FROM ORDER NO.			MOVEMENTS TO (MIL. LBS.)					
	ID	AMOUNT	ID	AMOUNT	ID	AMOUNT	ID	AMOUNT
4	4	178.9						
12	FL.	3.4						
13	FL.	.0						
6	GA1	8.0						
7	TN1	1.9						
40	40	51.7						
36	36	25.5						
33	33	104.1						
44	44	7.5						
30	30	157.1						
46	46	43.0						
49	49	79.5						
32	32	6.1						
50	50	15.9						
68	68	51.6						
76	76	25.7						
75	SD1	4.3						
79	79	26.6						
73	73	24.0						
98	98	50.5						
11	11	34.9						
106	OK.	30.9						
104	TX2	5.3						
132	TX3	1.4						
120	TX3	1.1						
96	LA2	6.9						
94	LAI	49.9						
137	CO2	.3						
136	UT1	9.0	UT2	.4	ID1	36.0		
134	CO1	2.1						
131	AZ.	48.5						
138	NM.	8.4						
139	UT2	7.0						
125	125	163.0						
133	133	14.2						
124	124	24.3						
201	MAL	12.8						
202	MCA	765.7						
203	MME	9.9						
204	MMA	1.1						
205	MMT	5.5						
206	MNV	.3						
207	MNY	126.3						
208	MNC	27.6						
209	MND	6.1						
210	MFA	20.6						
211	MSC	7.8						
212	MVT	.3						
213	MVA	43.8						
214	MWY	1.3						
TOTAL MOVEMENTS TO MANUFACTURING CENTERS						(MIL.LBS.)	1308.8	
TOTAL MOVEMENTS TO OTHER MANUFACTURING CENTERS						(MIL.LBS.)	0	

Raw Milk Movements from Supply Plants to Manufacturing Centers

This report contains the same type of information as the previous table and is obtained in the same manner. Because state orders do not have supply plants, this report contains results only for federal orders.

DECISION NAME - SAMPLE

=====

RAW MILK MOVEMENTS  
FROM SUPPLY PLANTS TO MANUFACTURING CENTERS

-----  
QUARTER 1 YEAR 1977  
-----

FROM ORDER NO.	ID	AMOUNT	MOVEMENTS TO (MIL. LBS.)								
			ID	AMOUNT	ID	AMOUNT	ID	AMOUNT	ID	AMOUNT	
1	1	255.8									
2	2	751.6									
7	TNI	42.6									
40	40	145.8									
36	36	119.2									
30	30	1150.7									
32	32	65.2									
68	68	894.9									
79	79	70.3									
65	65	77.7									
62	62	48.4									
64	64	59.1									
11	11	14.8									
126	TX1	69.0	OK.	2.6							
137	ID2	14.1									
124	124	39.0									
TOTAL MOVEMENTS TO MANUFACTURING CENTERS (MIL.LBS.)										3820.9	
TOTAL MOVEMENTS TO OTHER MANUFACTURING CENTERS (MIL.LBS.)										0	

Packaged Milk Movements from Processing Centers to Consumption Centers

This report contains the movements of packaged fluid milk from all fluid milk processing centers to all consumption centers. Both federal order and state order movements are reported. These movements are summarized at the bottom of the report. These movements correspond to packaged milk sales made by processing centers. It is printed when 1 or 3 is entered for reports desired (question 6) on the input form. Reports can be requested for quarters and years.



DECISION NAME - SAMPLE

PACKAGED MILK MOVEMENTS  
FROM PROCESSING CENTERS TO CONSUMPTION CENTERS

QUARTER 1 YEAR 1977

FROM ORDER NO.	NO.	AMOUNT	MOVEMENTS TO (MIL. LBS.)				NO.	AMOUNT
			NO.	AMOUNT	NO.	AMOUNT		
1	1	751.8						
2	2	1182.6						
4	4	831.3						
12	12	127.2						
13	13	188.3						
6	6	151.5						
7	7	305.9						
40	40	595.6						
36	36	547.8						
33	33	473.3						
44	44	13.2						
30	30	806.5						
46	46	204.5						
49	49	351.6						
32	32	160.2						
50	50	34.8						
68	68	402.5						
76	76	34.1						
75	75	9.2						
79	79	180.3						
65	65	144.9						
62	62	280.5						
64	64	154.1						
73	73	50.8						
99	99	26.0	98	1.0				
98	98	78.9						
97	97	68.8						
11	11	214.6						
108	108	80.2						
106	106	127.4	132	.3				
104	104	26.4	120	.3				
132	132	17.5						
120	120	16.2						
96	96	129.0						
94	94	211.9						
126	126	651.3						
137	137	149.2						
136	136	98.9						
134	134	10.2						
131	131	133.4						
138	138	82.0						
139	139	20.8						
125	125	157.4						
133	133	35.0						
124	124	186.6						
201	201	226.1						
202	202	1505.3						
203	203	67.8						
204	204	8.1						
205	205	42.4						
206	206	20.3						
207	207	133.7						
208	208	289.3						
209	209	20.6						
210	210	163.0						
211	211	95.8						
212	212	36.1						
213	213	127.0						
214	214	13.4						
TOTAL MOVEMENTS TO PRIMARY CONSUMPTION CENTERS (MIL.LBS.)							13253.1	
TOTAL MOVEMENTS TO OTHER CONSUMPTION CENTERS (MIL.LBS.)							1.6	

Comparative Summary Report - Federal Orders<sup>18/</sup>

This report contains the information for each variable on the Summary Report for the base period and for each period analyzed. Only federal order variables are reported. It permits the user to obtain an overview of changes in federal orders that have occurred during the projection period. This report is printed after the last year has been analyzed, no matter what other reports have been requested (question 6) including no reports (0 entered on input form). Reports are printed for quarters and years. In some instances, this may be the only report needed by the user.

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<sup>18/</sup> Up to this point, the descriptions that have been given are slightly revised excerpts from Babb et al. (1, pp. 16-19).

DECISION NAME - SAMPLE

=====

COMPARATIVE SUMMARY REPORT

-----

QUARTER 1

	1976	1977	1978	1979	1980	1981
PROD RECPTS (MPD)	18512.	18505.	0	0	0	0
CLSS I SLS (MPD)	10580.	10506.	0	0	0	0
CLSS II SLS (MPD)	1167.	1185.	0	0	0	0
CLSS III SLS(MPD)	6765.	6815.	0	0	0	0
CLSS I UTIL (PCT)	57.2	56.8	0	0	0	0
CLSS I PRICE (\$)	11.19	11.01	0	0	0	0
CLSS II PRICE (\$)	8.68	8.36	0	0	0	0
CLSS III PRICE(\$)	8.58	8.16	0	0	0	0
GRS BLND PRICE(\$)	10.08	9.79	0	0	0	0
VLU OF POOL(000\$)	1865482.	1811454.	0	0	0	0
NET FRM PRICE (\$)	9.59	9.31	0	0	0	0
RTRN OVER D.C.(\$)	3.35	3.04	0	0	0	0
MKTG MARGIN(000\$)	925374.	918577.	0	0	0	0
GONS EXPND (000\$)	2109155.	2074904.	0	0	0	0
RETAIL PRICE(CTS)	85.7	84.9	0	0	0	0
FM-RT P SPRD(CTS)	37.6	37.6	0	0	0	0
PROC CP UTIL(PCT)	59.3	58.8	0	0	0	0
MFG CP UTIL (PCT)	52.6	53.0	0	0	0	0
SP TRN CST (000\$)	0	0	0	0	0	0
SP F-P CST (000\$)	0	12655.	0	0	0	0
DS TRN CST (000\$)	0	0	0	0	0	0
DS F-P CST (000\$)	0	56513.	0	0	0	0
PKG TRN CST(000\$)	0	11.	0	0	0	0
MFG TRN CST(000\$)	0	0	0	0	0	0
RM PROD CST(000\$)	0	1379213.	0	0	0	0

Comparative Reports<sup>19/</sup>

Comparative reports for ten variables in federal orders and seven variables in state orders can be requested, although no more than five Comparative Reports can be selected at one time. Comparative reports provide results for each order area on a quarterly and annual basis for each quarter and year that is simulated.

A sample output for one variable, producer receipts, is provided for federal and state order reports. The format for other variables is the same.

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<sup>19/</sup>

All reports up to and including the Comparative Reports are generated by DRW1, the first report writer in DAMPS. See Novakovic et al. for further details (3).

DECISION NAME - SAMPLE

=====

FEDERAL ORDERS

COMPARATIVE REPORT - PRODUCER RECEIPTS

QUARTER 1

ORDER NO.	NAME	(MILLION POUNDS)					1981
		1976	1977	1978	1979	1980	
1	NEW ENG.	1246.4	1248.2	0	0	0	0
2	N.Y.-N.J.	2352.9	2348.1	0	0	0	0
4	MID. ATL.	1279.4	1276.2	0	0	0	0
12	TAMPA BAY	141.6	142.0	0	0	0	0
13	SE FLORIDA	206.2	207.2	0	0	0	0
4	UP FLORIDA	172.2	173.1	0	0	0	0
7	GEORGIA	385.6	387.1	0	0	0	0
40	S MICHIGAN	971.0	971.8	0	0	0	0
36	E.OH-W.PA	849.5	851.4	0	0	0	0
33	OHIO VAL.	707.6	709.9	0	0	0	0
44	MICH. U.P.	23.3	23.3	0	0	0	0
30	CHICAGO	2404.1	2396.6	0	0	0	0
46	LOU-LEX-EV	292.7	292.5	0	0	0	0
49	INDIANA	527.4	529.5	0	0	0	0
32	S ILLINOIS	271.8	271.5	0	0	0	0
50	C ILLINOIS	58.9	57.7	0	0	0	0
68	UP MIDWEST	1498.8	1489.9	0	0	0	0
76	E S.DAKOTA	70.3	70.0	0	0	0	0
75	BLK. HILLS	15.8	15.8	0	0	0	0
79	IOWA	335.3	334.9	0	0	0	0
65	NEB-W.IOWA	266.9	266.0	0	0	0	0
62	ST.L.-OZKS	406.2	407.5	0	0	0	0
64	K.C./NEO.V	257.4	256.3	0	0	0	0
73	WICHITA	84.6	84.4	0	0	0	0
99	PADUCAH	30.2	30.3	0	0	0	0
98	NASHVILLE	144.0	143.6	0	0	0	0
97	MEMPHIS	78.7	81.2	0	0	0	0
11	TENN. VAL.	296.3	296.5	0	0	0	0
108	C.ARK/F.S.	89.8	92.2	0	0	0	0
106	OKLA.METRO	186.7	186.6	0	0	0	0
104	RED RIVER	35.7	36.0	0	0	0	0
132	TEXAS PAN.	21.2	21.6	0	0	0	0
120	LUB-PLNVW.	18.9	19.2	0	0	0	0
96	GR. LOUIS.	156.1	155.3	0	0	0	0
94	N. ORLEANS	304.1	304.2	0	0	0	0
126	TEXAS	863.1	866.3	0	0	0	0
137	E COLORADO	199.7	200.8	0	0	0	0
136	GR. BASIN	171.9	171.9	0	0	0	0
134	W COLORADO	13.4	13.5	0	0	0	0
131	C. ARIZONA	210.0	209.9	0	0	0	0
138	RIO GRANDE	102.0	102.7	0	0	0	0
139	LAKE MEAD	30.9	31.0	0	0	0	0
125	PUGET SD.	369.2	367.7	0	0	0	0
133	INLAND EMP	58.0	57.9	0	0	0	0
124	ORE-WASH	305.9	305.9	0	0	0	0

DECISION NAME - SAMPLE

=====

STATE ORDERS

COMPARATIVE REPORT - PRODUCER RECEIPTS

QUARTER 1

ORDER NO.	NAME	1976	1977	1978	1979	1980	1981
201	ALABAMA	238.2	243.4	0	0	0	0
202	CALIFORNIA	2582.1	2572.1	0	0	0	0
203	MAINE	84.7	85.8	0	0	0	0
204	MASSACHUST	10.0	10.1	0	0	0	0
205	MONTANA	52.3	52.9	0	0	0	0
206	NEVADA	22.3	22.3	0	0	0	0
207	NEW YORK	281.3	280.1	0	0	0	0
208	N CAROLINA	352.9	351.6	0	0	0	0
209	N DAKOTA	29.0	29.1	0	0	0	0
210	PENNSYLVNA	186.1	193.4	0	0	0	0
211	S CAROLINA	108.4	109.4	0	0	0	0
212	VERMONT	36.2	36.4	0	0	0	0
213	VIRGINIA	185.6	186.1	0	0	0	0
214	WYOMING	16.3	16.4	0	0	0	0

Unregulated Grade A Report

Raw milk production, Class I consumption, the gross and net farm prices, and returns over direct cost in the nine unregulated Grade A milk regions are listed quarterly and annually in this report. The predetermined and constant Class I utilization assumed for all regions is also printed.

DECISION NAME - SAMPLE

UNREGULATED GRADE A REPORT

QUARTER 1 YEAR 1977

REGION	PRODUCTION	CLASS I CONSUMPTION	GROSS FARM PRICE	NET FARM PRICE	RETURN OVER DIRECT COST
	(M LBS)	(M LBS)	(\$/CWT)	(\$/CWT)	(\$/CWT)
NORTHEAST	62.2	55.9	10.94	10.45	4.19
CORN BELT	75.5	67.9	10.25	9.76	3.50
LAKE	151.2	136.0	9.97	9.48	3.22
SOUTHEAST	44.5	40.1	11.43	10.94	4.68
S. CENTRAL	8.9	8.0	10.94	10.45	4.19
PRAIRIE	80.0	72.0	10.27	9.78	3.52
MOUNTAIN	13.3	12.0	10.39	9.90	3.64
SOUTHWEST	8.9	8.0	10.16	9.67	3.41
NORTHWEST	0	0	10.30	9.81	3.55
TOTAL	444.4	400.0			
WTD AVE.			10.52	10.03	3.77

CLASS I UTILIZATION = .90 PERCENT



Supply and Utilization Report<sup>20/</sup>

Quantities of milk marketed, imports, ending stocks, and products consumed are listed for each quarter in a year and annually in this table. Individual reports are for a given year. The report is printed when a 1 or 2 is specified on question 25a of the input form.

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<sup>20/</sup> All of the reports which follow are generated by DRW2, the second report writer in DAMPS. For further details, refer to Novakovic et al. (3).

DECISION NAME - SAMPLE

=====

SUPPLY AND UTILIZATION REPORT

(THOUSAND POUNDS, M.E.)

	QTR. I	QTR. II	QTR. III	QTR. IV	1977
<b>MARKETINGS:</b>					
GRADE A	23138657.	25459503.	24258501.	22943321.	95799981.
GRADE B	5363315.	6073021.	5311055.	5034322.	21781713.
<b>IMPORTS:</b>					
CHEESE	310000.	302000.	389000.	682000.	1683000.
M. CLASS III	646.	402.	169.	248.	1466.
BUTTER	16911.	10533.	4444.	6533.	38422.
NFDM	9601.	5978.	2524.	3708.	21812.
<b>END COMM STOCK:</b>					
CHEESE	3723595.	5088455.	5310730.	4749536.	4749536.
BUTTER	678621.	964756.	798606.	554947.	554947.
NFDM	674774.	1298885.	1073366.	723202.	723202.
<b>END GOVT STOCK:</b>					
CHEESE	8065.	5040.	64151.	16129.	16129.
BUTTER	396667.	1172622.	1584156.	1041733.	1041733.
NFDM	5692560.	5264179.	5133128.	5608152.	5608152.
<b>CONSUMPTION:</b>					
CLASS I	10694186.	10478786.	10522125.	10807643.	42502740.
CLASS II	3288497.	4125338.	4256445.	3021777.	14692057.
CHEESE	7653858.	8011423.	7815581.	8342142.	31823005.
M. CLASS III	522024.	474111.	494292.	527908.	2018334.
BUTTER	5670301.	4832588.	4701476.	5555405.	20759770.
NFDM	2256635.	2365469.	2386995.	1810648.	8819748.

NOTE:

SUPPLY AND UTILIZATION WILL NOT BALANCE BECAUSE FIGURES HAVE NOT BEEN ADJUSTED TO REFLECT JOINT PRODUCTION OF BUTTER.

Comparative Supply and Utilization Report

This report contains the same variables as the previous table, but results for each simulated year are listed instead of quarters in a single year. This report is always printed.

DECISION NAME - SAMPLE  
=====

COMPARATIVE SUPPLY AND UTILIZATION REPORT

(THOUSAND POUNDS, M.E.)

	1977	1978	1979	1980	1981
MARKETINGS:					
GRADE A	95799981.	0	0	0	0
GRADE B	21781713.	0	0	0	0
IMPORTS:					
CHEESE	1683000.	0	0	0	0
M. CLASS III	1466.	0	0	0	0
BUTTER	38422.	0	0	0	0
NFDM	21812.	0	0	0	0
END COMM STOCK:					
CHEESE	4749536.	0	0	0	0
BUTTER	554947.	0	0	0	0
NFDM	723202.	0	0	0	0
END GOVT STOCK:					
CHEESE	16129.	0	0	0	0
BUTTER	1041733.	0	0	0	0
NFDM	5608152.	0	0	0	0
CONSUMPTION:					
CLASS I	42502740.	0	0	0	0
CLASS II	14692057.	0	0	0	0
CHEESE	31823005.	0	0	0	0
M. CLASS III	2018334.	0	0	0	0
BUTTER	20759770.	0	0	0	0
NFDM	8819748.	0	0	0	0

NOTE:

SUPPLY AND UTILIZATION WILL NOT BALANCE BECAUSE FIGURES HAVE NOT BEEN ADJUSTED TO REFLECT JOINT PRODUCTION OF BUTTER.

Summary Report

The Summary Report lists several, non-quantity variables that are likely to be of interest. Results are printed for quarters in a year and the annual figure for that year. The report is printed if a 1 or 2 is requested on question 25a of the input form.

DECISION NAME - SAMPLE

=====

SUMMARY REPORT

	QTR. I	QTR. II	QTR. III	QTR. IV	1977
PRICES (\$/CWT):					
GRADE A	9.77	9.70	9.87	10.10	9.86
GRADE B	8.16	8.26	8.36	8.46	8.31
ALL MILK	9.47	9.42	9.60	9.81	9.57
GROSS VALUE OF FARM MKTGS (T\$):					
GRADE A	2261190.	2468424.	2395362.	2317821.	9442796.
GRADE B	437646.	501632.	444004.	425904.	1809186.
ALL MILK	2698836.	2970056.	2839366.	2743725.	11251982.
RTRN OVR DIRECT COST (\$/CWT):					
GRADE A	2.50	2.47	2.60	2.78	2.59
GRADE B	1.98	2.08	2.18	2.28	2.12
ALL MILK	2.40	2.39	2.53	2.69	2.50
TRANSP. COST, MFD PROD. (T\$)					
	2586.	2965.	3141.	2608.	11300.
CONS. EXP. (T\$):					
FLUID PROD.	2604572.	2486848.	2511516.	2681433.	10284369.
MFD. PROD.	2538041.	2758614.	2776876.	2631873.	10705403.
ALL PROD.	5142613.	5245462.	5288391.	5313306.	20989772.
GOVT. EXP. (T\$)					
	50111.	9090.	15585.	-2033.	72754.
GOVT. PURCH. AS PCNT OF SALES					
	3.5	1.1	1.1	-.4	.8
TOTAL PURCH. AS PCNT OF SALES					
	-2.0	6.3	1.1	-3.7	.3

Comparative Summary Report

This report contains the same variables as the previous table, except it lists only annual results for each year that is simulated.

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DECISION NAME - SAMPLE

COMPARATIVE SUMMARY REPORT

	1977	1978	1979	1980	1981
PRICES (\$/CWT):					
GRADE A	9.86	0	0	0	0
GRADE B	8.31	0	0	0	0
ALL MILK	9.57	0	0	0	0
GROSS VALUE OF FARM MKTGS (T\$):					
GRADE A	9442796.	0	0	0	0
GRADE B	1809186.	0	0	0	0
ALL MILK	11251982.	0	0	0	0
RTRN OVR DIRECT COST (\$/CWT):					
GRADE A	2.59	0	0	0	0
GRADE B	2.12	0	0	0	0
ALL MILK	2.50	0	0	0	0
TRANSP. COST, MFD PROD. (T\$)					
	11300.	0	0	0	0
CONS. EXP. (T\$):					
FLUID PROD.	10284369.	0	0	0	0
MFD. PROD.	10705403.	0	0	0	0
ALL PROD.	20989772.	0	0	0	0
GOVT. EXP. (T\$)	72754.	0	0	0	0
GOVT. PURCH. AS PCNT OF SALES					
	.8	0	0	0	0
TOTAL PURCH. AS PCNT OF SALES					
	.3	0	0	0	0



Comparative Reports

Comparative Reports can be requested for up to thirteen variables (including Grade B milk production, which is shown on the following page). There is no limit to the number of these Comparative Reports that can be requested. The reports list results for each simulated year for a given quarter or annually. An entry of 0 in question 25b suppresses printing of the report. If a 1 is entered, quarterly and annual Comparative Reports are printed. If a 2 is entered, only an annual report is printed for the specified variable.

DECISION NAME - SAMPLE

=====

COMPARATIVE REPORT - GRADE B MILK PRODUCTION

-----  
QUARTER 1

(THOUSAND POUNDS)

REGION	1976	1977	1978	1979	1980	1981
NORTHEAST	193.6	191.2	0	0	0	0
CORN BELT	990.7	980.8	0	0	0	0
LAKE	2917.2	2902.5	0	0	0	0
SOUTHEAST	6.4	6.3	0	0	0	0
S. CENTRAL	186.0	183.2	0	0	0	0
PRAIRIE	635.1	630.3	0	0	0	0
MOUNTAIN	61.6	61.0	0	0	0	0
SOUTHWEST	148.9	147.4	0	0	0	0
NORTHWEST	263.9	260.6	0	0	0	0

DECISION NAME - SAMPLE

=====

COMPARATIVE REPORT - GRADE B MILK PRODUCTION

-----  
ANNUAL

(MILLION POUNDS)

REGION	1976	1977	1978	1979	1980	1981
NORTHEAST	782.9	779.0	0	0	0	0
CORN BELT	4003.6	3989.5	0	0	0	0
LAKE	11794.8	11771.0	0	0	0	0
SOUTHEAST	26.0	25.8	0	0	0	0
S. CENTRAL	751.9	747.4	0	0	0	0
PRAIRIE	2567.7	2560.0	0	0	0	0
MOUNTAIN	249.0	248.0	0	0	0	0
SOUTHWEST	601.9	599.5	0	0	0	0
NORTHWEST	1066.9	1061.5	0	0	0	0

Movements Reports

Movements Reports are printed for each quarter and come in two parts. The first part shows the matrix of movements from raw milk production, cheese and miscellaneous Class III imports, and (beginning) cheese stocks centers to consumption centers for Class II products, miscellaneous Class III products, and cheese. (This is stage two of DAMPS.) The second part of the report shows the matrix of movements from butter and nonfat dry milk production, import, and (beginning) stocks centers to consumption centers for butter and nonfat dry milk. (This is stage three of DAMPS.) Only supply centers from which there are movements are listed. These reports are printed if a 1 or 3 is entered in question 25a of the input form.

DECISION NAME - SAMPLE

MOVEMENTS REPORT

QUARTER - 1 YEAR - 1977

	NORTHEAST	SOUTH	N. CENTRAL	WEST	PACIFIC
CLASS II DEMAND					
MILK SUPPLY:					
NORTHEAST	840660.	0	0	0	0
CORN BELT	0	0	939644.	0	0
SOUTHEAST	0	223109.	0	0	0
S. CENTRAL	0	457174.	0	319267.	0
MOUNTAIN	0	0	0	76743.	0
SOUTHWEST	0	0	0	0	431901.
CHEESE DEMAND					
MILK SUPPLY:					
NORTHEAST	1506695.	0	0	0	0
CORN BELT	678790.	69466.	0	0	0
LAKE	0	0	1205573.	0	0
PRAIRIE	0	0	0	131051.	0
MOUNTAIN	0	0	0	64788.	0
SOUTHWEST	0	0	0	0	573097.
NORTHWEST	0	0	0	0	1995.
IMPORTS:					
EAST	294810.	0	0	0	0
WEST	0	0	0	0	15190.
COMM. STOCKS:					
NORTHEAST	679455.	0	0	0	0
CORN BELT	0	403367.	58152.	0	0
LAKE	0	0	1160201.	0	0
SOUTHEAST	0	44872.	0	0	0
S. CENTRAL	0	163454.	0	0	0
PRAIRIE	0	0	0	211525.	0
MOUNTAIN	0	0	0	51277.	0
SOUTHWEST	0	0	0	0	294859.
NORTHWEST	0	0	0	0	137816.
GOVT. STOCKS:					
NORTHEAST	67.	0	0	0	0
CORN BELT	0	0	840.	0	0
LAKE	0	0	9160.	0	0
S. CENTRAL	0	33.	0	0	0
MOUNTAIN	0	0	0	591.	0
NORTHWEST	0	0	0	0	67.
MISC. CLASS III DEMAND					
MILK SUPPLY:					
LAKE	124671.	104405.	130506.	0	0
MOUNTAIN	0	0	0	62643.	0
NORTHWEST	0	0	0	0	99154.
IMPORTS:					
EAST	615.	0	0	0	0
WEST	0	0	0	0	31.



DECISION NAME - SAMPLE

=====

MOVEMENTS REPORT

=====

QUARTER - 1 YEAR - 1977

-----

	NORTHEAST	SOUTH	N. CENTRAL	WEST	PACIFIC
	-----	-----	-----	-----	-----
BUTTER DEMAND					
BUTTER SUPPLY:					
NORTHEAST	611925.	0	0	0	0
CORN BELT	0	286627.	0	0	0
LAKE	589246.	192599.	1518115.	458472.	0
SOUTHEAST	0	66627.	0	0	0
S. CENTRAL	0	106448.	0	0	0
PRAIRIE	0	0	0	192123.	390119.
MOUNTAIN	0	0	0	0	40774.
SOUTHWEST	0	0	0	0	232440.
NORTHWEST	0	0	0	0	381389.
IMPORTS:					
EAST	16089.	0	0	0	0
WEST	0	0	0	0	822.
COMM. STOCKS:					
NORTHEAST	117778.	0	0	0	0
CORN BELT	0	80000.	0	0	0
SOUTHEAST	0	7778.	0	0	0
S. CENTRAL	0	28333.	0	0	0
PRAIRIE	0	0	0	36667.	0
MOUNTAIN	0	0	0	0	8889.
SOUTHWEST	0	0	0	0	51111.
NORTHWEST	0	0	0	0	23889.
GOVT. STOCKS:					
NORTHEAST	43194.	0	0	0	0
CORN BELT	0	116726.	0	0	0
SOUTHEAST	0	1905.	0	0	0
S. CENTRAL	0	7956.	0	0	0
PRAIRIE	0	0	0	9484.	0
SOUTHWEST	0	0	0	0	46984.
NORTHWEST	0	0	0	0	7579.
NONFAT DRY MILK DEMAND					
NFDM SUPPLY:					
IMPORTS:					
EAST	9130.	0	0	0	0
WEST	0	0	0	0	471.
COMM. STOCKS:					
NORTHEAST	71767.	0	0	0	0
CORN BELT	0	132172.	0	0	0
SOUTHEAST	0	12848.	0	0	0
S. CENTRAL	0	46813.	0	0	0
MOUNTAIN	0	0	0	14688.	0
GOVT. STOCKS:					
NORTHEAST	474090.	0	0	0	0
CORN BELT	0	165245.	244194.	0	0
LAKE	0	0	297399.	0	0
SOUTHEAST	0	3595.	0	0	0
S. CENTRAL	0	183175.	0	0	0
PRAIRIE	0	0	0	241230.	0
MOUNTAIN	0	0	0	3595.	0
SOUTHWEST	0	0	0	0	358436.



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2. Novakovic, Andrew Milovan, "An Economic Analysis of the U.S. Dairy Price Support Program and Alternate Policies," unpublished Ph.D. thesis, Purdue University, May, 1979.
3. Novakovic, A.M., E.M. Babb, D.R. Martella, and J.E. Pratt, "A Computer Program Documentation of the Dairy Market Policy Simulator (Model A), Staff Paper No. 79-4, Department of Agricultural Economics, Cornell University, April, 1979.



APPENDIX

INSTRUCTIONS FOR CODING AND KEYPUNCHING AN INPUT FORM

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Instructions for coding and keypunching the primary input form and all optional input forms are given below. Decimal points must be coded and punched for all data read in F format. An identification (ID) label card can precede certain blocks of input, as is noted below. Parts of the input form can be omitted when the user decides not to use them, this is also noted. The input form must be coded and punched in the order in which it appears below, excluding any permissible omissions. All footnotes are printed at the end of the Appendix.

Primary Input Form

Card(s)	Column(s)	Item	Format
<u>Options</u>			
1	1 - 80	Any ID Desired	10A8
2	1 - 6	Decision Name	A6
	7 - 8	Federal Order Optional Input Forms	I2
	9 - 10	State Option	I2
	11 - 12	Grade B Option	I2
	13 - 14	Merge Option	I2
<u>Question 1</u>			
$3\frac{1}{2}$	1 - 80	Any ID Desired	10A8
$4\frac{2}{2}$	1 - 4	Number of Orders in Merger 1	I4
	5 - 8	1st Order Specified	I4
	9 - 12	2nd Order Specified	I4
	.	.	.
	.	.	.
	.	.	.
$5\frac{2}{1}$	68 - 72	17th Order Specified	I4
	1 - 4	18th Order Specified	I4
	5 - 8	19th Order Specified	I4
	.	.	.
	.	.	.
	.	.	.
$6\frac{2}{1}$	68 - 72	35th Order Specified	I4
	1 - 4	36th Order Specified	I4
	5 - 8	37th Order Specified	I4
	.	.	.
	.	.	.
	.	.	.
	37 - 40	45th Order Specified	I4
<u>Question 2</u>			
$7\frac{3}{1}$	1 - 80	Any ID Desired	10A8
$8\frac{3}{1}$	1 - 2	Merger Pricing Option	I2
	3 - 10	Location Differential	F8.0
$9\frac{4}{1}$	1 - 80	Any ID Desired	10A8
$10-14\frac{4}{1}$	1 - 8	Blend Differential for Order #1	F8.0
	9 - 16	Blend Differential for Order #2	F8.0
	.	.	.
	.	.	.
	.	.	.
	65 - 72	Blend Differential for Order #124	F8.0

Primary Input Form (Continued)

Card(s)	Column(s)	Item	Format
<u>Question 3</u>			
15 <sup>5/</sup>	1 - 80	Any ID Desired	10A8
16 <sup>5/</sup>	11 - 18	Class I Price, Federal Order 1	F8.0
	19 - 26	Quarterly Change	F8.0
.	.	.	.
.	.	.	.
60 <sup>5/</sup>	11 - 18	Class I price, Federal Order 124	F8.0
	19 - 26	Quarterly Change	F8.0
61 <sup>5/</sup>	1 - 80	Any ID Desired	10A8
62	11 - 18	Class I price, Alabama	F8.0
	19 - 26	Quarterly Change	F8.0
.	.	.	.
.	.	.	.
75	11 - 18	Class I price, Wyoming	F8.0
	19 - 26	Quarterly Change	F8.0
<u>Questions 4 and 5</u>			
76 <sup>6/</sup>	1 - 80	Any ID Desired	10A8
77 <sup>6/</sup>	11 - 18	Class II Price	F8.0
	19 - 26	Quarterly Change	F8.0
	27 - 34	Class III Price	F8.0
	35 - 42	Quarterly Change	F8.0
<u>Questions 6 and 7</u>			
78	1 - 80	Any ID Desired	10A8
79	1	1977	I1
	2	1978	I1
	3	1979	I1
	4	1980	I1
	5	1981	I1
	6	1977 quarter 1	I1
	7	2	I1
	8	3	I1
	9	4	I1
	10	1978 quarter 1	I1
	11	2	I1
	12	3	I1
	13	4	I1
	14	1979 quarter 1	I1
	15	2	I1
	16	3	I1
	17	4	I1
	18	1980 quarter 1	I1

Primary Input Form (Continued)

Card(s)	Column(s)	Item	Format
<u>Questions 6 and 7</u>			
79	19	1980 Quarter 2	I1
	20	3	I1
	21	4	I1
	22	1981 Quarter 1	I1
	23	2	I1
	24	3	I1
	25	4	I1
	80	3 - 6	Last Year
<u>Questions 8 and 9</u>			
81	1 - 80	Any ID Desired	10A8
82	2	Print Base Data	I1
	4	Exogenous Factors	I1
<u>Questions 10 to 13</u>			
83	1 - 80	Any ID Desired	10A8
84	2	10a	I1
	4	b	I1
	6	c	I1
	8	d	I1
	10	e	I1
	12	f	I1
	14	11a	I1
	16	b	I1
	18	c	I1
	20	12a	I1
	22	b	I1
	24	c	I1
	26	d	I1
	28	13a	I1
	30	b	I1
	32	c	I1
<u>Questions 14 to 19</u>			
85	1 - 80	Any ID desired	10A8
86	1 - 8	14	I1
	10	15	I1
	12	16	I1
	14	17	I1
	16	18	I1
	18	19	I1

Primary Input Form (Continued)

Card(s)	Column(s)	Item	Format
<u>Questions 20 and 21</u>			
87	1 - 80	Any ID Desired	10A8
88	2	20a	I1
	4	b	I1
	6	c	I1
	8	d	I1
	10	e	I1
	12	f	I1
	14	g	I1
	16	h	I1
	18	i	I1
	20	j	I1
89	2	21a	I1
	4	b	I1
	6	c	I1
	8	d	I1
	10	e	I1
	12	f	I1
	14	g	I1
<u>Question 22</u>			
90	1 - 80	Any ID Desired	10A8
91	11 - 18	1977 Quarter 1	F8.0
	19 - 26	Quarter 2	F8.0
	27 - 34	Quarter 3	F8.0
	35 - 42	Quarter 4	F8.0
.	.	.	.
.	.	.	.
95	11 - 18	1981 Quarter 1	F8.0
	19 - 26	Quarter 2	F8.0
	27 - 34	Quarter 3	F8.0
	35 - 42	Quarter 4	F8.0
<u>Question 23</u>			
96	1 - 80	Any ID Desired	10A8
97	2	Stocks Option	I1
<u>Question 24</u>			
98	1 - 80	Any ID Desired	10A8
99	2	Imports Option	I1

Primary Input Form (Continued)

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Card(s)	Column(s)	Item	Format
<u>Question 25a</u>			
100	1 - 80	Any ID Desired	10A8
101	2	1977	I1
	4	1978	I1
	6	1979	I1
	8	1980	I1
	10	1981	I1
<u>Question 25b</u>			
102	1 - 80	Any ID Desired	10A8
103	2	Comparative Report A	I1
	4	B	I1
	6	C	I1
	8	D	I1
	10	E	I1
	12	F	I1
	14	G	I1
	16	H	I1
	18	I	I1
	20	J	I1
	22	K	I1
	24	N	I1

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Input Form F-A<sup>7/</sup>

Card(s)	Column(s)	Item	Format
1	1 - 80	Any ID desired	10A8
2	1 - 8	Quarterly Percent Change, Order 1	F8.0
	9 - 16	Demand Elasticity	F8.0
	17 - 24	Supply Elasticity	F8.0
	25 - 32	Own Handling Charge	F8.0
	33 - 40	Other Handling Charge	F8.0
	41 - 48	Reserve Requirement	F8.0
.	.	.	.
.	.	.	.
46	1 - 8	Quarterly Percent Change, Order 124	F8.0
	9 - 16	Demand Elasticity	F8.0
	17 - 24	Supply Elasticity	F8.0
	25 - 32	Own Handling Charge	F8.0
	33 - 40	Other Handling Charge	F8.0
	41 - 48	Reserve Requirement	F8.0
47	1 - 80	Any ID Desired	10A8
48 <sup>8/</sup>	11 - 18	Class II Change	F8.0
	19 - 26	Class III Change	F8.0

Input Form F-B<sup>9/</sup>

Card(s)	Column(s)	Item	Format
1	1 - 80	Any ID Desired	10A8
2	11 - 18	Class I price, 1977, qtr. 1, F.O. 1 <sup>10/</sup>	F8.0
	19 - 26	Class I price, 1977, qtr. 2, F.O. 1	F8.0
	27 - 34	Class I price, 1977, qtr. 3, F.O. 1	F8.0
	35 - 42	Class I price, 1977, qtr. 4, F.O. 1	F8.0
.	.	.	.
.	.	.	.
46	11 - 18	Class I price, 1977, qtr. 1, F.O. 124	F8.0
	19 - 26	Class I price, 1977, qtr. 2, F.O. 124	F8.0
	27 - 34	Class I price, 1977, qtr. 3, F.O. 124	F8.0
	35 - 42	Class I price, 1977, qtr. 4, F.O. 124	F8.0
.	.	.	.
.	.	.	.
182 <sup>11/</sup>	11 - 18	Class I price, 1981, qtr. 1, F.O. 1	F8.0

Input Form F-B (Continued)

Card(s)	Column(s)	Item	Format
182 <sup>11/</sup>	19 - 26	Class I price, 1981, qtr. 2, F.O. 1	F8.0
	27 - 34	Class I price, 1981, qtr. 3, F.O. 1	F8.0
	35 - 42	Class I price, 1981, qtr. 4, F.O. 1	F8.0
.	.	.	.
.	.	.	.
226	11 - 18	Class I price, 1981, qtr. 1, F.O. 124	F8.0
	19 - 26	Class I price, 1981, qtr. 2, F.O. 124	F8.0
	27 - 34	Class I price, 1981, qtr. 3, F.O. 124	F8.0
	35 - 42	Class I price, 1981, qtr. 4, F.O. 124	F8.0
227	1 - 80	Any ID Desired	10A8
228	11 - 18	Class II price, 1977, quarter 1	F8.0
	19 - 26	Class II price, 1977, quarter 2	F8.0
	27 - 34	Class II price, 1977, quarter 3	F8.0
	35 - 42	Class II price, 1977, quarter 4	F8.0
.	.	.	.
.	.	.	.
232 <sup>11/</sup>	11 - 18	Class II price, 1981, quarter 1	F8.0
	19 - 26	Class II price, 1981, quarter 2	F8.0
	27 - 34	Class II price, 1981, quarter 3	F8.0
	35 - 42	Class II price, 1981, quarter 4	F8.0
233	1 - 80	Any ID Desired	10A8
234	11 - 18	Class III price, 1977, quarter 1	F8.0
	19 - 26	Class III price, 1977, quarter 2	F8.0
	27 - 34	Class III price, 1977, quarter 3	F8.0
	35 - 42	Class III price, 1977, quarter 4	F8.0
.	.	.	.
.	.	.	.
238 <sup>11/</sup>	11 - 18	Class III price, 1981, quarter 1	F8.0
	19 - 26	Class III price, 1981, quarter 2	F8.0
	27 - 34	Class III price, 1981, quarter 3	F8.0
	35 - 42	Class III price, 1981, quarter 4	F8.0



Input Form F-C<sup>12/</sup>

Card(s)	Column(s)	Item	Format
1	1 - 80	Any ID Desired	10A8
2	11 - 18	Location differential	F8.0
	19 - 26	Quarterly Change	F8.0
	27 - 34	Class I Base Price	F8.0

Input Form F-D<sup>13/</sup>

Card(s)	Column(s)	Item	Format
1	1 - 80	Any ID Desired	10A8
2	11 - 18	Location Differential	F8.0
3	1 - 80	Any ID Desired	10A8
4	11 - 18	Class I Base, 1977, quarter 1	F8.0
	19 - 26	Class I Base, 1977, quarter 2	F8.0
	27 - 34	Class I Base, 1977, quarter 3	F8.0
	35 - 42	Class I Base, 1977, quarter 4	F8.0
.	.	.	.
.	.	.	.
8 <sup>11/</sup>	11 - 18	Class I Base, 1981, quarter 1	F8.0
	19 - 26	Class I Base, 1981, quarter 1	F8.0
	27 - 34	Class I Base, 1981, quarter 1	F8.0
	35 - 42	Class I Base, 1981, quarter 1	F8.0
9	1 - 80	Any ID Desired	10A8
10	11 - 18	Class II Price, 1977, quarter 1	F8.0
	19 - 26	Class II Price, 1977, quarter 2	F8.0
	27 - 34	Class II Price, 1977, quarter 3	F8.0
	35 - 42	Class II Price, 1977, quarter 4	F8.0
.	.	.	.
.	.	.	.
14 <sup>11/</sup>	11 - 18	Class II Price, 1981, quarter 1	F8.0
	19 - 26	Class II Price, 1981, quarter 2	F8.0
	27 - 34	Class II Price, 1981, quarter 3	F8.0
	35 - 42	Class II Price, 1981, quarter 4	F8.0
15	1 - 80	Any ID Desired	10A8

Input Form F-D (Continued)

Card(s)	Column(s)	Item	Format
16	11 - 18	Class III Price, 1977, quarter 1	F8.0
	19 - 26	Class III Price, 1977, quarter 2	F8.0
	27 - 34	Class III Price, 1977, quarter 3	F8.0
	35 - 42	Class III Price, 1977, quarter 4	F8.0
.	.	.	.
.	.	.	.
20	11 - 18	Class III Price 1981, quarter 1	F8.0
	19 - 26	Class III Price 1981, quarter 2	F8.0
	27 - 34	Class III Price 1981, quarter 3	F8.0
	35 - 42	Class III Price 1981, quarter 4	F8.0

INPUT FORM S-A<sup>14/</sup>

Card(s)	Column(s)	Item	Format
1	1 - 80	Any ID Desired	10A8
2	1 - 8	Quarterly percent change, Alabama	F8.0
	9 - 16	Demand elasticity, Alabama	F8.0
	17 - 24	Supply elasticity, Alabama	F8.0
	25 - 32	Reserve requirement, Alabama	F8.0
.	.	.	.
.	.	.	.
15	1 - 8	Quarterly percent change, Wyoming	F8.0
	9 - 16	Demand elasticity, Wyoming	F8.0
	17 - 24	Supply elasticity, Wyoming	F8.0
	25 - 32	Reserve requirement, Wyoming	F8.0

Input Form S-B<sup>15/</sup>

Card(s)	Column(s)	Item	Format
1	1 - 80	Any ID Desired	10A8
2	11 - 18	Class I price, 1977, qtr. 1, Alabama	F8.0
	19 - 26	Class I price, 1977, qtr. 2, Alabama	F8.0
	27 - 34	Class I price, 1977, qtr. 3, Alabama	F8.0
	35 - 42	Class I price, 1977, qtr. 4, Alabama	F8.0
.	.	.	.
.	.	.	.
15	11 - 18	Class I price, 1977, qtr. 1, Wyoming	F8.0
	19 - 26	Class I price, 1977, qtr. 2, Wyoming	F8.0
	27 - 34	Class I price, 1977, qtr. 3, Wyoming	F8.0
	35 - 42	Class I price, 1977, qtr. 4, Wyoming	F8.0
.	.	.	.
.	.	.	.
67 <sup>10/</sup>	11 - 18	Class I price, 1981, qtr. 1, Alabama	F8.0
	19 - 26	Class I price, 1981, qtr. 2, Alabama	F8.0
	27 - 34	Class I price, 1981, qtr. 3, Alabama	F8.0
	35 - 42	Class I price, 1981, qtr. 4, Alabama	F8.0
.	.	.	.
.	.	.	.
71	11 - 18	Class I price, 1981, qtr. 1, Wyoming	F8.0
	19 - 26	Class I price, 1981, qtr. 2, Wyoming	F8.0
	27 - 34	Class I price, 1981, qtr. 3, Wyoming	F8.0
	35 - 42	Class I price, 1981, qtr. 4, Wyoming	F8.0

Input Form S-C<sup>16/</sup>

Card(s)	Column(s)	Item	Format
1	1 - 80	Any ID Desired	10A8
2	11 - 18	Location Differential	F8.0
	19 - 26	Quarterly Change	F8.0
	27 - 34	Class I Base Price	F8.0

Input Form S-D-171

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Card(s)	Column(s)	Item	Format
1	1 - 80	Any ID desired	10A8
2	11 - 18	Location differential	F8.0
3	1 - 80	Any ID desired	10A8
4	11 - 18	Base Price, 1977, quarter 1	F8.0
	19 - 26	Base Price, 1977, quarter 2	F8.0
	27 - 34	Base Price, 1977, quarter 3	F8.0
	35 - 42	Base Price, 1977, quarter 4	F8.0
.	.	.	.
.	.	.	.
.	.	.	.
8 <sup>10</sup> /	11 - 18	Base Price, 1981, quarter 1	F8.0
	19 - 26	Base Price, 1981, quarter 2	F8.0
	27 - 34	Base Price, 1981, quarter 3	F8.0
	35 - 42	Base Price, 1981, quarter 4	F8.0

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Footnotes

- 1/ Omit cards 3-14 if the number of proposed mergers equals 0, i.e., the Merge Option is set equal to 0.
- 2/ Repeat the type of information in card 4-6 for each merger after merger 1.
- 3/ Leave blank if merger pricing option is 0 or 2.
- 4/ Omit if merger pricing option is 0 or 1.
- 5/ Omit if Federal Order Optional Input Form Option equals 1 or 2.
- 6/ Omit if Federal Order Optional Input Form Option equals 2.
- 7/ Include only if one or more options on 10a through 10f equal 1.
- 8/ Include only if 10a on the primary input form equals 1.
- 9/ Use only if 11a equals 1.
- 10/ Federal Order is abbreviated F.O.
- 11/ Use only as many cards as needed for the number of years simulated. The above instruction assumes five years are requested.
- 12/ Use only if 11b equals 1.
- 13/ Use only if 11c equals 1.
- 14/ Use only if one of more items in 12a through 12d are specified equal to 1.
- 15/ Use only if 13a equals 1.
- 16/ Use only if 13b equals 1.
- 17/ Use only if 13c equals 1.