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## MICHIGAN CROP AND LIVESTOCK ESTIMATED 1983 BUDGETS

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MICHIGAN CROP AND LIVESTOCK  
ESTIMATED 1983 BUDGETS

By

Gerald D. Schwab, Sherrill B. Nott, Myron P. Kelsey,  
Allen E. Shapley, and Ting-Ing Ho\*

INTRODUCTION

This report has two purposes: 1) it presents the revised enterprise budgets for 1983 used by Telplan 80-Monthly Cash Flow and Resource Budgeting, Telplan 36-Financial Long-Range Whole-Farm Budgeting, plus Telplan 65-Dairy Farm Linear Programming, and the foundation data for Telplan 70-Crop Enterprise Cost Analysis; and 2) it provides the reader with variable cost estimates for a variety of Michigan crops and livestock. The user is encouraged to change any of the budget assumptions when doing individual farm planning. Pages two and three can help determine line 4 in the budgets entitled, "Family and Regular Hired Labor Hours." Page 4 presents the price assumptions used in the budgets. The budgets are in the following order: 1) feed crops, 2) cash crops, and 3) livestock.

SOURCES OF DATA

The crop and livestock budgets were assembled in February 1983 and represent one estimate of 1983 conditions. Grain and livestock prices were estimated by agricultural economists at MSU with some assistance from county extension people for specialized crops in their respective areas. Seed, fertilizer, and chemical costs are based on ingredient costs from commercial sources. Telfarm yearly summaries increased to 1983 price levels provided some cost data for all the budgets. Primary data collected via the Michigan Farm Energy Audit Study was also of some use. Telplan programs 31-Least-Cost Dairy Rations, and 52-Monthly Dairy Herd Growth, were the source of the feed requirements for Dairy Budgets 80 through 85. Dairy Budgets 80 and 81 were taken from Telfarm records increased to 1983 price levels. Budgets 57 through 64 are based on specialized case study farms analyzed in the winter of 1983.

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\*The first four authors are extension specialists, while the fifth is a computer programmer in the Agricultural Economics Department at Michigan State University.

The user of these budgets should remember the costs of production are projections. When planning individual farms, the user may have access to farm records or other price projections. Such information can be substituted into these budgets for more accurate forward planning.

The philosophy of labor accounting in Telfarm has been to accept all farmer reported labor hours and allocate them to crops and livestock so total labor disappearance equals total hours reported. This approach was used in these budgets. The user should plan to change the hours of labor per enterprise to reflect the individual farm being analyzed. Studies of Telfarm data indicate, in most cases, labor hours per enterprise are reduced as the number of units of that enterprise increases. The equations in Table 1 are suggested as a way to estimate labor disappearance per enterprise budget. Table 2 presents estimated labor requirements obtained from the equations in Table 1 for selected enterprise sizes.

TABLE 1. Equations For Estimating Enterprise Labor Requirements

Enterprise	Equation: hours/acre = A + $\frac{B}{X}$
Corn Grain	5.39 + 57.41 divided by the total number of acres in corn grain
Corn Silage	7.39 + 57.41 divided by the total number of acres in corn silage
Hay & Oatlage	11.29 + 47.89 divided by the total number of acres in these crops
Haylage	8.47 + 47.88 divided by the total number of acres in haylage
Pasture	1.0 hours per acre
Oats, Rye, & Wheat	2.05 + 89.81 divided by the number of acres in each crop
Sugar Beets	14.89 + 345.92 divided by the number of acres in sugar beets
Field Beans	6.51 + 81.92 divided by the number of acres in field beans
Soybeans	2.96 + 92.61 divided by the number of acres in soybeans
Dairy Cow	39.45 + 1672.69 divided by the number of milk cows
Beef Cow	6.49 + 192.31 divided by the number of beef cows
Beef Feeders	5.27 + 339.07 divided by the number of beef feeders
Litters of Hogs	9.58 + 130.87 divided by the number of litters
Hogs Sold	0.4 + 500 divided by the number of hogs sold

TABLE 2. Estimated Annual Labor Requirements By Size Of Enterprise

Size Of Enterprise	25	50	100	200	500	1000
----- Hours Per Acre Or Per Head -----						
Corn Grain	7.7	6.5	6.0	5.7	5.5	5.4
Corn Silage	9.7	8.5	8.5	7.7	7.5	
Hay & Oatlage	13.2	12.3	11.8	11.5	11.4	
Haylage	10.4	9.5	9.0	8.7	8.6	
Oats, Rye, & Wheat	5.6	3.8	3.0	2.5	2.2	2.0
Field Beans	9.8	8.2	7.3	6.7	6.7	
Soybeans	6.7	4.8	3.9	3.1	3.1	
Dairy Cow	106.4	72.9	56.1	47.8	42.8	41.1
Beef Cow	14.2	10.3	8.4	7.5	6.9	
Beef Feeders	18.8	12.1	8.7	7.0	5.9	5.6
Litters of Hogs	14.8	12.2	10.9	10.2	9.8	
Hogs Sold	1.2	1.2	1.2	1.2	1.2	0.9

Planning for labor needs and labor sources is often overlooked in forward planning. It is an important step in the planning process. Labor planning should be done as soon as the management team has decided how many acres of which crops and how many head of which animals are going to be raised.

The labor balance is a useful planning tool. It is calculated in hours, not dollars. It has the following format:

$$\begin{bmatrix} \text{Sources of Labor} \\ \text{Operator} \\ \text{Unpaid Family Members} \\ \text{Hired (paid) Labor} \end{bmatrix} = \begin{bmatrix} \text{Uses of Labor} \\ \text{Crop Enterprises} \\ \text{Livestock Enterprises} \\ \text{Off-Farm Work} \end{bmatrix}$$

The sources and uses of labor should "balance" or be equal. If a plan starts with a given amount of operator plus family labor, and the uses exceed the available labor, then you must plan to hire enough hours to get the work done or else cut back on your enterprises. If all the operator plus family labor is not used by the plan, the excess hours might be "sold" in the form of off-farm labor.

It is important to have accurate estimates of the hours of labor needed per acre and per animal for the various enterprises. On the enterprise budgets provided, labor hours are given. On your farm, the labor hours needed will probably be different. How can you estimate your own labor requirements for individual enterprise budgets? The best way is your own experience and available records of past performance.

ESTIMATED PRICES AND COSTS USED IN 1983 BUDGETS

<u>FIELD CROPS</u>	<u>PRICING UNIT</u>	<u>SWINE</u>	<u>PRICING UNIT</u>
Barley	bu.	\$ 2.20	230 lb. Hog sold
Corn grain	bu.	2.50	400 lb. Sow sold
Navy beans	cwt.	15.00	450 lb. Boar sold
Oats	bu.	1.60	Boar bought
Potatoes-chips & processing	cwt.	4.00	50 lb. Feeder pig
Potatoes-table stock	cwt.	4.50	
Soybeans	bu.	6.00	<u>FERTILIZER</u>
Sugar beets	ton	35.00	Nitrogen, dry N
Wheat	bu.	3.70	Nitrogen for corn only N
			Phosphorus P
			Potassium K
<u>FRUITS AND VEGETABLES</u>			
Apples, low price	bu.	\$ 3.50	<u>SEED</u>
Apples, high price	bu.	3.50	Alfalfa
Asparagus	cwt.	62.00	Barley
Carrots	cwt.	6.00	Corn
Celery	cr.	6.50	Field beans
Cherries-sweet	cwt.	20.00	Oats
Cherries-tart	cwt.	25.00	Potatoes
Grapes	ton	250.00	Rye
Melons	bu.	6.00	Soybeans
Muskmelons	bu.	6.00	Sugar beets
Peaches	bu.	10.00	Sunflowers
Pears	bu.	4.00	Wheat
Peppers	bu.	6.00	
Plums	ton	140.00	<u>FEED</u>
Strawberries	cr.	9.50	Pig creep feed
Tomatoes-fresh	ton	370.00	Dicalcium phosphate
Tomatoes-processing	ton	88.00	Limestone
<u>BEEF</u>			Milk replacer
1,150 Yearling beef steer	cwt.	\$ 68.00	Minerals—cattle
1,050 Steer sold	cwt.	68.00	Mineral and vitamin
Feeder steer sold	cwt.	72.00	Salt, minerals
Feeder heifer sold	cwt.	61.00	Soybean meal
Cull beef cow	cwt.	40.00	Urea
Replacement beef cow	head	500.00	
Yearling feeder bought	cwt.	68.00	<u>OTHER COSTS</u>
<u>DAIRY</u>			Short-term credit APR
Milk	cwt.	\$ 12.75	% \$ 14.00
Cull milk cow	cwt.	40.00	Family labor hr. \$ 5.00
Deacon calf sold	cwt.	95.00	Harvest labor hr. 3.80
1,050 Dairy steer	cwt.	58.00	Irrigation labor hr. 3.80
Replacement dairy cow/	head	1300.00	Non-harvest labor hr. 5.00
			Corn drying cost per point/bu. .025
			Diesel fuel \$/gal. 1.10
			Oil expense as % of fuel cost % 15.00
<u>SHEEP</u>			
Lambs	cwt.	\$ 60.00	
Ewes	cwt.	20.00	
Wool	lb.	1.50	



ENTERPRISE OR BUDGET NAME:	IRRIGATED CORN FED MEDIUM YIELD	IRRIGATED CORN FED LOW YIELD	CORN SILAGE FED HIGH YIELD	CORN SILAGE FED MEDIUM YIELD
ENTERPRISE CODE NUMBER:	5	6	7	8
++++ INCOME PER ENTERPRISE +++++	\$	\$	\$	\$
INCOME 1: IRR CORN MED	160.00BU. @ 0.0	0.00 140.00BU. @ 0.0	0.00	0.00
INCOME 2: 0.00 @ 0.0	0.00 0.00 @ 0.0	0.00 0.00 @ 0.0	0.00 0.00 @ 0.0	0.00 0.00 @ 0.0
1 GROSS INCOME: \$ 0.00		0.00	0.00	0.00
---- CASH EXPENSE PER ENTERPRISE ----\$				
22 IRRIGATION LABOR 1.0 HR. @ 3.80	3.80	1.0 HR. @ 3.80	3.80	0.0 @ 0.00
28 REPAIRS + MAINT. 23.50		23.50	23.50	18.20
44 SEEDS AND PLANTS 19.0 LB. @ 1.25	23.75	19.0 LB. @ 1.25	23.75	14.0 LB. @ 1.25
46 NITROGEN LIQUID N 190.0 LB. @ .16	30.40	175.0 LB. @ .16	28.00	125.0 LB. @ .16
47 PHOSPHORUS P 75.0 LB. @ .20	15.00	75.0 LB. @ .20	15.00	50.0 LB. @ .20
48 POTASIUM K 120.0 LB. @ .12	14.40	120.0 LB. @ .12	14.40	110.0 LB. @ .12
49 LIMESTONE 1/ 7.20		7.20	7.20	4.50
52 INSECTICIDES 2/ 10.00		10.00	10.00	2.00
54 WEED SPRAYS 3/ 11.20		11.20	11.20	11.20
71 IRRIGATION FUEL 4/ 24.00		24.00	24.00	0.00
72 DRYING FUEL 1120.0 PT. @ .03	28.00	980.0 PT. @ .03	24.50	0.0 @ 0.00
73 GASOLINE-FUEL-OIL 12.50		12.50	12.50	13.65
77 UTILITIES-PHONE 4.00		4.00	3.50	5.40
78 TRUCKING-FREIGHT 16.80		16.80	14.70	15.10
2 TOTAL SELECTED CASH EXPENSES* \$ 224.55		216.05	139.80	126.20
4 FAMILY AND/OR REGULAR HIRED LABOR, HOURS 6.10		6.00	8.40	8.20
5 CORN GRAIN EQUIVALENT BUSHELS 160.00		140.00	0.00	0.00
6 CORN SILAGE TONS (AS FED) 0.00		0.00	16.00	13.00
7 DRY HAY EQUIVALENT TONS 0.00		0.00	0.00	0.00
8 CAPITAL GAINS INCOME INCLUDED IN ABOVE 0.00		0.00	0.00	0.00

\*DOES NOT INCLUDE DEPRECIATION, INSURANCE, RENT, TAXES, INTEREST, OR CHARGE FOR LINE 4 LABOR.

1/ Limestone is average cost per year in which 3 ton/acre is applied every 8 years on rotation cropland but every 5 years on continuous cropland.

2/ Example insecticide program on corn acreage is 10 lbs/acre of either carbofuran (Furadan) or fonofos (Dyfonate). Only 20% of corn acreage in crop rotation program is treated whereas all corn acres are treated on continuous cornland.

3/ Example herbicide program on corn acreage is 1.25 lb atrazine (several manufacturers) plus 2 quart alachlor (Lasso).

4/ Example cost of irrigation is based on electricity power at \$4.00/acre-inch.

ENTERPRISE OR BUDGET NAME:	CORN SILAGE FED LOW YIELD	CORN SILAGE IRRIGATED HIGH YIELD	CORN SILAGE IRRIGATED MEDIUM YIELD	CORN SILAGE IRRIGATED LOW YIELD
ENTERPRISE CODE NUMBER:	9	10	11	12
++++ INCOME PER ENTERPRISE +++++	\$	\$	\$	\$
INCOME 1: CORN SIL.LOW	10.00TON @ 0.0	IR.CRN SIL H 23.00TON @ 0.0	IR.CRN SIL M 20.00TON @ 0.0	IR.CRN SIL L 17.00TON @ 0.0
INCOME 2:	0.00 @ 0.0	0.00 @ 0.0	0.00 @ 0.0	0.00 @ 0.0
1 GROSS INCOME:	\$ 0.00	0.00	0.00	0.00
---- CASH EXPENSE PER ENTERPRISE ----\$				
22 IRRIGATION LABOR	0.0 @ 0.00	0.00 1.0 HR. @ 3.80	3.80 1.0 HR. @ 3.80	1.0 HR. @ 3.80
28 REPAIRS + MAINT.		18.20	28.25	28.25
44 SEEDS AND PLANTS	13.0 LB. @ 1.25	16.25 19.0 LB. @ 1.25	23.75 19.0 LB. @ 1.25	19.0 LB. @ 1.25
46 NITROGEN LIQUID N	100.0 LB. @ .16	16.00 220.0 LB. @ .16	35.20 190.0 LB. @ .16	175.0 LB. @ .16
47 PHOSPHORUS P	40.0 LB. @ .20	8.00 85.0 LB. @ .20	17.00 75.0 LB. @ .20	65.0 LB. @ .20
48 POTASIUM K	100.0 LB. @ .12	12.00 180.0 LB. @ .12	21.60 160.0 LB. @ .12	135.0 LB. @ .12
49 LIMESTONE 1/		4.50 7.20	7.20	7.20
52 INSECTICIDES 2/		2.00 10.00	10.00	10.00
54 WEED SPRAYS 3/		11.20	11.20	11.20
71 IRRIGATION FUEL 4/		0.00 24.00	24.00	24.00
73 GASOLINE-FUEL-OIL		11.20	16.10	15.05
77 UTILITIES-PHONE		3.40	7.80	6.80
78 TRUCKING-FREIGHT		8.90	22.90	20.30
2 TOTAL SELECTED CASH EXPENSES*	\$ 111.65	228.80	214.95	202.90
4 FAMILY AND/OR REGULAR HIRED LABOR, HOURS	8.10	12.00	11.00	10.00
5 CORN GRAIN EQUIVALENT	BUSHELS 0.00	0.00	0.00	0.00
6 CORN SILAGE	TONS (AS FED) 10.00	23.00	20.00	17.00
7 DRY HAY EQUIVALENT	TONS 0.00	0.00	0.00	0.00
8 CAPITAL GAINS INCOME INCLUDED IN ABOVE	0.00	0.00	0.00	0.00

\*DOES NOT INCLUDE DEPRECIATION, INSURANCE, RENT, TAXES, INTEREST, OR CHARGE FOR LINE 4 LABOR.

1/ Limestone is average cost per year in which 3 ton/acre is applied every 8 years on rotation cropland but every 5 years on continuous cropland.

2/ Example insecticide program on corn acreage is 10 lbs/acre of either carbofuran (Furadan) or fonofos (Dyfonate). Only 20% of corn acreage in crop rotation program is treated whereas all corn acres are treated on continuous cornland.

3/ Example herbicide program on corn acreage is 1.25 lb atrazine (several manufacturers) plus 2 quart alachlor (Lasso).

4/ Example cost of irrigation is based on electricity power at \$4.00/acre-inch.

ENTERPRISE OR BUDGET NAME:	CORN SILAGE			CORN SILAGE			CORN SILAGE			OATS FED
	NPN ADDED	HIGH YIELD		NPN ADDED	MEDIUM YIELD		NPN ADDED	LOW YIELD	HIGH YIELD	
ENTERPRISE CODE NUMBER:	13			14			15		16	
++++ INCOME PER ENTERPRISE +++++	\$			\$			\$		\$	
INCOME 1: NPN C.S. HI. 16.00TON @ 0.0	0.00			NPN C.S. MED 13.00TON @ 0.0	0.00		NPN C.S. LOW 10.00TON @ 0.0	0.00	OATS FED HI. 75.00BU. @ 0.0	0.00
INCOME 2: 0.00 @ 0.0	0.00			0.00 @ 0.0	0.00		0.00 @ 0.0	0.00	0.00 @ 0.0	0.00
1 GROSS INCOME: \$ 0.00	\$ 0.00			\$ 0.00			\$ 0.00		\$ 0.00	
---- CASH EXPENSE PER ENTERPRISE ----\$										
28 REPAIRS + MAINT.	18.20			18.20			18.20		7.35	
32 FEED ADDITIVES	160.0 LBS. @ .14	22.40	130.0 LBS. @ .14	18.20	100.0 LBS. @ .14	14.00	0.0 @ 0.00	0.00	0.00	
44 SEEDS AND PLANTS	15.0 LB. @ 1.25	18.75	14.0 LB. @ 1.25	17.50	13.0 LB. @ 1.25	16.25	80.0 LB. @ .13	.13	10.40	
45 NITROGEN DRY N	0.0 @ 0.00	0.00	0.0 @ 0.00	0.00	0.0 @ 0.00	0.00	60.0 LB. @ .24	.24	14.40	
46 NITROGEN LIQUID N	150.0 LB. @ .16	24.00	125.0 LB. @ .16	20.00	100.0 LB. @ .16	16.00	0.0 @ 0.00	0.00	0.00	
47 PHOSPHORUS P	60.0 LB. @ .20	12.00	50.0 LB. @ .20	10.00	40.0 LB. @ .20	8.00	30.0 LB. @ .20	.20	6.00	
48 POTASIUM K	125.0 LB. @ .12	15.00	100.0 LB. @ .12	12.00	100.0 LB. @ .12	12.00	50.0 LB. @ .12	.12	6.00	
49 LIMESTONE	4.50			4.50			4.50		4.50	
52 INSECTICIDES	2.00			2.00			2.00		0.00	
54 WEED SPRAYS	11.20			11.20			11.20		2.05 1/	
73 GASOLINE-FUEL-OIL	13.65			12.50			11.20		10.15 00	
77 UTILITIES-PHONE	5.40			4.40			3.40		1.90	
78 TRUCKING-FREIGHT	15.10			12.70			8.90		7.95	
2 TOTAL SELECTED CASH EXPENSES*	\$ 162.20			143.20			125.65		70.70	
4 FAMILY AND/OR REGULAR HIRED LABOR, HOURS	8.90			8.70			8.50		5.60	
5 CORN GRAIN EQUIVALENT	BUSHELS 0.00			0.00			0.00		35.25	
6 CORN SILAGE	TONS (AS FED) 16.00			13.00			10.00		0.00	
7 DRY HAY EQUIVALENT	TONS 0.00			0.00			0.00		0.00	
8 CAPITAL GAINS INCOME INCLUDED IN ABOVE	0.00			0.00			0.00		0.00	

\*DOES NOT INCLUDE DEPRECIATION, INSURANCE, RENT, TAXES, INTEREST, OR CHARGE FOR LINE 4 LABOR.

1/ Example small grain herbicide program is 1 pint 2-4-D (Amine).

ENTERPRISE CR BUDGET NAME:	OATS FED LOW YIELD	RYE FED	BARLEY FED	CLEAR SEDED ALFALFA YEAR PLANTED
ENTERPRISE CODE NUMBER:	17	18	19	20
INCOME 1: INCOME 2:	OATS FED LOW 60.00BU. @ 0.0 0.00 @ 0.0 1 GROSS INCOME:	RYE FED 31.00BU. @ 0.0 0.00 @ 0.0 \$ 0.00 -----	BARLEY FED 60.00BU. @ 0.0 0.00 @ 0.0 0.00 @ 0.0 0.00 -----	ALFAL. SEDED 2.00TON @ 0.0 0.00 @ 0.0 0.00 -----
INCOME 1: INCOME 2:	++++ INCOME PER ENTERPRISE +++++ \$ OATS FED LOW 60.00BU. @ 0.0 0.00 @ 0.0 1 GROSS INCOME:	\$ 31.00BU. @ 0.0 0.00 @ 0.0 \$ 0.00 -----	\$ 60.00BU. @ 0.0 0.00 @ 0.0 0.00 @ 0.0 0.00 -----	\$ 2.00TON @ 0.0 0.00 @ 0.0 0.00 -----
28 REPAIRS + MAINT. 44 SEEDS AND PLANTS 45 NITROGEN DRY N 47 PHOSPHORUS P 48 POTASIUM K 49 LIMESTONE 52 INSECTICIDES 54 WEED SPRAYS 59 CROP SUPPLIES + PACS 73 GASOLINE-FUEL-OIL 77 UTILITIES-PHONE 78 TRUCKING-FREIGHT 2 TOTAL SELECTED CASH EXPENSES*	7.00 10.40 126.0 LB. @ .13 50.0 LB. @ .24 25.0 LB. @ .20 50.0 LB. @ .12 4.50 0.00 0.00 0.00 10.15 1.50 6.35 \$ 62.90 5.50 BUSHELS 28.20 TONS (AS FED) 0.00 TONS 0.00 0.00	7.00 .09 .24 .20 .12 4.50 0.00 2.05 0.00 8.85 1.90 3.30 57.94 5.60 22.90 0.00 0.00 0.00	7.00 .16 .24 .20 .12 4.50 0.00 2.051/ 0.00 8.15 1.90 5.40 66.48 5.60 47.70 0.00 0.00 0.00	17.25 30.00 0.00 16.00 10.80 36.00 3.00 10.50 2/ 4.70 9.85 0.00 2.90 141.00 7.20 0.00 0.00 2.00 0.00
4 FAMILY AND/OR REGULAR HIRED LABOR, HOURS 5 CORN GRAIN EQUIVALENT 6 CORN SILAGE 7 DRY HAY EQUIVALENT 8 CAPITAL GAINS INCOME INCLUDED IN ABOVE				

\*DOES NOT INCLUDE DEPRECIATION, INSURANCE, RENT, TAXES, INTEREST, OR CHARGE FOR LINE 4 LABOR.

1/ Example small grain herbicide program is 1 pint 2-4-D (Amine).

2/ Example herbicide program is 3½ pint EPTC (Eptam).

ENTERPRISE OR BUDGET NAME:	ALFALFA HAY EARLY ROTATION			ALFALFA HAY LATER ROTATION			IRRIGATED ALFALFA HIGHER YIELD			IRRIGATED ALFALFA LOWER YIELD				
ENTERPRISE CODE NUMBER:	21			22			23			24				
<b>++++ INCOME PER ENTERPRISE +++++ \$</b>														
INCOME 1:	AL. HAY HIGH 6.00TON @	0.0	0.00	ALF. HAY LOW 4.00TON @	0.0	0.00	IRR. ALF. HI. 9.00TON @	0.0	0.00	IRR. ALF. LOW 7.00TON @	0.0	0.00		
INCOME 2:	0.00	@	0.0	0.00	@	0.0	0.00	@	0.00	0.00	@	0.00		
1 GROSS INCOME:	\$	0.00				0.00			0.00			0.00		
<b>---- CASH EXPENSE PER ENTERPRISE ----\$</b>														
22 IRRIGATION LABOR	0.0	@	0.00	0.00	0.0	@	0.00	0.00	1.0 HR. @	3.80	3.80	1.0 HR. @	3.80	3.80
28 REPAIRS + MAINT.				25.90			18.80			29.40			27.00	
47 PHOSPHORUS	P	60.0 LB. @	.20	12.00	40.0 LB. @	.20	8.00	90.0 LB. @	.20	18.00	70.0 LB. @	.20	14.00	
48 POTASIUM	K	250.0 LB. @	.12	30.00	180.0 LB. @	.12	21.60	400.0 LB. @	.12	48.00	315.0 LB. @	.12	37.80	
52 INSECTICIDES				6.00			3.00			6.00			6.00	
59 CROP SUPPLIES + PACS				14.10			9.40			21.15			16.50	
71 IRRIGATION FUEL				0.00			0.00			40.00			32.00	
73 GASOLINE-FUEL-OIL				10.50			7.90			10.50			10.50	
78 TRUCKING-FREIGHT				8.80			5.90			13.20			10.30	
2 TOTAL SELECTED CASH EXPENSES*	\$	107.30				74.60			190.05			157.90	OT	
4 FAMILY AND/OR REGULAR HIRED LABOR, HOURS	15.60					10.40			23.40			18.20		
5 CORN GRAIN EQUIVALENT	BUSHELS	0.00				0.00			0.00			0.00		
6 CORN SILAGE	TONS (AS FED)	0.00				0.00			0.00			0.00		
7 DRY HAY EQUIVALENT	TONS	6.00				4.00			9.00			7.00		
8 CAPITAL GAINS INCOME INCLUDED IN ABOVE		0.00				0.00			0.00			0.00		

\*DOES NOT INCLUDE DEPRECIATION, INSURANCE, RENT, TAXES, INTEREST, OR CHARGE FOR LINE 4 LABOR.

ENTERPRISE OR BUDGET NAME:	ALFALFA HAYLAGE HIGHER YIELD			ALFALFA HAYLAGE LOWER YIELD			MIXED DRY HAY HIGHER YIELD			MIXED DRY HAY LOWER YIELD		
ENTERPRISE CODE NUMBER:	25			26			27			28		
INCOME 1:	++++ INCOME PER ENTERPRISE +++++	\$			\$			\$			\$	
	ALF.SILAGE H			ALF.SILAGE L			MIX.HAY HIGH			MIX. HAY LOW		
INCOME 2:	15.00TON @	0.0	0.00	10.00TON @	0.0	0.00	4.00TON @	0.0	0.00	2.00TON @	0.0	0.00
1 GROSS INCOME:												
----- CASH EXPENSE PER ENTERPRISE -----	\$											
28 REPAIRS + MAINT.		27.60			24.70			18.80			11.75	
47 PHOSPHORUS	P 75.0 LB. @	.20	15.00	50.0 LB. @	.20	10.00	50.0 LB. @	.20	10.00	25.0 LB. @	.20	5.00
48 POTASIUM	K 340.0 LB. @	.12	40.80	225.0 LB. @	.12	27.00	180.0 LB. @	.12	21.60	100.0 LB. @	.12	12.00
49 LIMESTONE			0.00			0.00			4.50			2.40
52 INSECTICIDES			6.00			3.00			0.00			0.00
59 CROP SUPPLIES + PACS			0.00			2.90			8.95			4.50
73 GASOLINE-FUEL-OIL			21.00			21.00			7.90			5.30
78 TRUCKING-FREIGHT			5.30			3.50			5.90			2.95
2 TOTAL SELECTED CASH EXPENSES*	\$	115.70			92.10			77.65			43.90	
4 FAMILY AND/OR REGULAR HIRED LABOR, HOURS		12.20			8.10			11.80			11.00	
5 CORN GRAIN EQUIVALENT	BUSHELS	0.00			0.00			0.00			0.00	
6 CORN SILAGE	TONS (AS FED)	0.00			0.00			0.00			0.00	
7 DRY HAY EQUIVALENT	TONS	6.00			4.00			4.00			2.00	
8 CAPITAL GAINS INCOME INCLUDED IN ABOVE		0.00			0.00			0.00			0.00	

\*DOES NOT INCLUDE DEPRECIATION, INSURANCE, RENT, TAXES, INTEREST, OR CHARGE FOR LINE 4 LABOR.









ENTERPRISE OR BUDGET NAME:	WHEAT SOLD MEDIUM YIELD			WHEAT SOLD LOW YIELD			FIELD OR NAVY BEANS HIGH YIELD			FIELD OR NAVY BEANS MEDIUM YIELD		
ENTERPRISE CODE NUMBER:	45			46			47			48		
<b>++++ INCOME PER ENTERPRISE +++++ \$</b>												
INCOME 1:	WHEAT MEDIUM 45.00BU. @	3.7	166.50	WHEAT LO.YLD 30.00BU. @	3.7	111.00	FIELD BEAN H 17.00CWT @	15.0	255.00	FIELD BEAN M 13.00CWT @	15.0	195.00
INCOME 2:	0.00	@	0.0	0.00	@	0.0	0.00	@	0.0	0.00	@	0.0
1 GROSS INCOME:			\$ 166.50			111.00			255.00			195.00
<b>---- CASH EXPENSE PER ENTERPRISE ----\$</b>												
28 REPAIRS + MAINT.			7.35			7.35			10.60			10.60
44 SEEDS AND PLANTS	105.0 LB. @	.15	15.75	105.0 LB. @	.15	15.75	40.0 LB. @	.50	20.00	40.0 LB. @	.50	20.00
45 NITROGEN DRY N	30.0 LB. @	.24	7.20	20.0 LB. @	.24	4.80	40.0 LB. @	.24	9.60	30.0 LB. @	.24	7.20
47 PHOSPHORUS P	30.0 LB. @	.20	6.00	25.0 LB. @	.20	5.00	40.0 LB. @	.20	8.00	25.0 LB. @	.20	5.00
48 POTASIUM K	40.0 LB. @	.12	4.80	35.0 LB. @	.12	4.20	40.0 LB. @	.12	4.80	25.0 LB. @	.12	3.00
49 LIMESTONE			4.50			4.50			4.50			4.50
54 WEED SPRAYS			3.00			0.00			20.00 1/			20.00 1/
73 GASOLINE-FUEL-OIL			9.30			9.30			9.75			9.75
77 UTILITIES-PHONE			1.20			.80			.70			.60
78 TRUCKING-FREIGHT			9.55			6.35			6.40			4.95
83 MARKETING			.65			.45			.35			.30
2 TOTAL SELECTED CASH EXPENSES*	\$ 69.30			58.50			94.70			85.90		
4 FAMILY AND/OR REGULAR HIRED LABOR, HOURS	3.80			3.80			5.50			5.00		
5 CORN GRAIN EQUIVALENT	BUSHELS	0.00		0.00			0.00			0.00		
6 CORN SILAGE	TONS (AS FED)	0.00		0.00			0.00			0.00		
7 DRY HAY EQUIVALENT	TONS	0.00		0.00			0.00			0.00		
8 CAPITAL GAINS INCOME INCLUDED IN ABOVE	0.00			0.00			0.00			0.00		

\*DOES NOT INCLUDE DEPRECIATION, INSURANCE, RENT, TAXES, INTEREST, OR CHARGE FOR LINE 4 LABOR.

1/ Example field bean herbicide program is 1.25 qt EPTC (Eptam) + 4 qt chloramben (Amiben) + 1 pt Trifluralin (Treflan).





ENTERPRISE OR BUDGET NAME:	PLANTING YEAR ASPARAGUS	HARVEST YEAR ASPARAGUS	IRRIGATED TOMATOES FOR FRESH MARKET	TOMATOES FOR PROCESSING
ENTERPRISE CODE NUMBER:	57	58	59	60
++++ INCOME PER ENTERPRISE +++++	\$	\$	\$	\$
INCOME 1: PLANT 'GRAS		ASPARAGUS	IRR.FRSH TOM	PROC. TOMATO
0.00CWT @ 62.0	0.00	15.00CWT @ 62.0	930.00	8.00TON @ 370.0
INCOME 2:			2960.00	20.00TON @ 88.0
0.00 @ 0.0	0.00	@ 0.0	0.00	0.00 @ 0.0
1 GROSS INCOME:	\$ 0.00	930.00	2960.00	1760.00
---- CASH EXPENSE PER ENTERPRISE ----\$				
21 NON-HARVEST LABOR	75.0 HR. @ 5.00	375.00	4.0 HR. @ 5.00	20.00
23 HARVEST LABOR	0.0 @ 0.00	0.00	58.0 HR. @ 3.80	220.40
28 REPAIRS + MAINT.	25.00		100.0 HR. @ 3.80	380.00
44 SEEDS AND PLANTS	255.00		3.80	20.0 HR. @ 3.80
45 NITROGEN DRY N	75.0 LB. @ .24	18.00	50.0 LB. @ .24	12.00
47 PHOSPHORUS P	60.0 LB. @ .20	12.00	15.0 LB. @ .20	3.00
48 POTASIUM K	250.0 LB. @ .12	30.00	200.0 LB. @ .12	24.00
49 LIMESTONE	60.00		200.0 LB. @ .12	24.00
51 FUNGICIDES	56.00		6.00	5.00
52 INSECTICIDES	90.00		70.00	76.00
54 WEED SPRAYS	119.00		20.00	125.00
55 OTHER CHEMICALS	0.00		0.00	24.00
58 MACHINE HIRE	0.00		40.00	20.00
59 CROP SUPPLIES + PACS	0.00		300.00	20.00
61 SUPPLIES PURCHASED	0.00		13.00	13.00
73 GASOLINE-FUEL-OIL	40.00		25.00	42.00
77 UTILITIES-PHONE	3.00		10.00	7.00
78 TRUCKING-FREIGHT	0.00		255.00	275.00
83 MARKETING	0.00		35.00	0.00
84 OTHER CASH EXPENSE	3.00		25.00	15.00
2 TOTAL SELECTED CASH EXPENSES*	\$ 1086.00	645.40	1517.00	967.00
4 FAMILY AND/OR REGULAR HIRED LABOR, HOURS	20.00	24.00	50.00	40.00
5 CORN GRAIN EQUIVALENT	BUSHELS 0.00	0.00	0.00	0.00
6 CORN SILAGE	TONS (AS FED) 0.00	0.00	0.00	0.00
7 DRY HAY EQUIVALENT	TONS 0.00	0.00	0.00	0.00
8 CAPITAL GAINS INCOME INCLUDED IN ABOVE	0.00	0.00	0.00	0.00

\*DOES NOT INCLUDE DEPRECIATION, INSURANCE, RENT, TAXES, INTEREST, OR CHARGE FOR LINE 4 LABOR.



ENTERPRISE  
OR BUDGET NAME:

GRAPES

STRAWBERRIES  
GROWING YEAR

STRAWBERRIES  
FIRST YEAR

STRAWBERRIES  
LAST YEAR

ENTERPRISE CODE NUMBER:	65		66		67		68	
++++ INCOME PER ENTERPRISE +++++	\$		\$		\$		\$	
INCOME 1: GRAPES	3.50TON	@ 250.0	875.00	GR.YR STRAWS	0.00CR.	@ 0.0	0.00	400.00CR.
							9.5	3800.00
INCOME 2:	0.00	@ 0.0	0.00	0.00	@ 0.0	0.00	0.00	0.00
1 GROSS INCOME:	\$ 875.00		0.00		3800.00		3800.00	
---- CASH EXPENSE PER ENTERPRISE ----\$								
21 NON-HARVEST LABOR	28.3 HR.	@ 5.00	141.25	12.0 HR.	@ 5.00	60.00	32.0 HR.	@ 5.00
23 HARVEST LABOR	0.0	@ 0.00	0.00	0.0	@ 0.00	0.00	390.0 HR.	@ 3.80
28 REPAIRS + MAINT.			14.00			50.40		33.50
45 NITROGEN DRY N	80.0 LB.	@ .24	19.20	110.0 LB.	@ .24	26.40	47.0 LB.	@ .24
47 PHOSPHORUS P	0.0	@ 0.00	0.00	0.0	@ 0.00	0.00	24.0 LB.	@ .20
48 POTASIUM K	120.0 LB.	@ .12	14.40	480.0 LB.	@ .12	57.60	24.0 LB.	@ .12
49 LIMESTONE			2.00			0.00		0.00
51 FUNGICIDES			44.25			26.30		180.00
52 INSECTICIDES			19.45			44.30		38.00
54 WEED SPRAYS			12.00			62.10		35.00
55 OTHER CHEMICALS			1.75			147.80		0.00
58 MACHINE HIRE			131.25			21.00		0.00
59 CROP SUPPLIES + PACS			62.70			0.00		185.25
73 GASOLINE-FUEL-OIL			37.00			59.60		44.00
77 UTILITIES-PHONE			3.25			10.90		26.50
83 MARKETING			21.00			0.00		35.60
84 OTHER CASH EXPENSE			3.60			17.80		75.60
2 TOTAL SELECTED CASH EXPENSES*	\$ 527.10		584.20		2285.26		2338.93	
4 FAMILY AND/OR REGULAR HIRED LABOR, HOURS	18.00		19.80		66.50		60.30	
5 CORN GRAIN EQUIVALENT	BUSHELS	0.00		0.00		0.00		0.00
6 CORN SILAGE	TONS (AS FED)	0.00		0.00		0.00		0.00
7 DRY HAY EQUIVALENT	TONS	0.00		0.00		0.00		0.00
8 CAPITAL GAINS INCOME INCLUDED IN ABOVE	0.00		0.00		0.00		0.00	

\*DOES NOT INCLUDE DEPRECIATION, INSURANCE, RENT, TAXES, INTEREST, OR CHARGE FOR LINE 4 LABOR.

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ENTERPRISE OR BUDGET NAME:	TART CHERRIES	SWEET CHERRIES	PEACHES	PEARS
ENTERPRISE CODE NUMBER:	73	74	75	76
++++ INCOME PER ENTERPRISE +++++	\$	\$	\$	\$
INCOME 1: TART CHERRY	50.00CWT @ 25.0	1250.00	60.00CWT @ 20.0	1200.00
INCOME 2:	0.00 @ 0.0	0.00 @ 0.0	0.00 @ 0.0	0.00 @ 0.0
1 GROSS INCOME:	\$ 1250.00	-----	1200.00	-----
----- CASH EXPENSE PER ENTERPRISE -----	\$	\$	\$	\$
21 NON-HARVEST LABOR	16.0 HR. @ 5.00	80.00	16.0 HR. @ 5.00	80.00
23 HARVEST LABOR	0.0 @ 0.00	0.00	0.0 @ 0.00	0.00
28 REPAIRS + MAINT.		25.40		25.40
45 NITROGEN DRY N	150.0 LB. @ .24	36.00	0.0 @ 0.00	0.00
48 POTASIUM K	35.0 LB. @ .12	4.20	0.0 @ 0.00	0.00
50 FERTILIZER AND LIME		0.00		66.40
51 FUNGICIDES		56.85		68.60
52 INSECTICIDES		30.25		37.90
54 WEED SPRAYS		14.30		12.40
55 OTHER CHEMICALS		7.30		97.80
58 MACHINE HIRE		400.00		480.00
59 CROP SUPPLIES + PACS		1.40		1.40
73 GASOLINE-FUEL-OIL		79.00		79.00
77 UTILITIES-PHONE		23.20		23.10
83 MARKETING		6.80		15.60
84 OTHER CASH EXPENSE		14.30		14.25
2 TOTAL SELECTED CASH EXPENSES*	\$ 779.00	-----	1001.85	480.19
4 FAMILY AND/OR REGULAR HIRED LABOR, HOURS	32.80	-----	32.80	55.70
5 CORN GRAIN EQUIVALENT	BUSHELS 0.00	-----	0.00	0.00
6 CORN SILAGE	TONS (AS FED) 0.00	-----	0.00	0.00
7 DRY HAY EQUIVALENT	TONS 0.00	-----	0.00	0.00
8 CAPITAL GAINS INCOME INCLUDED IN ABOVE	0.00	-----	0.00	0.00

\*DOES NOT INCLUDE DEPRECIATION, INSURANCE, RENT, TAXES, INTEREST, OR CHARGE FOR LINE 4 LABOR.

ENTERPRISE  
 OR BUDGET NAME: SUNFLOWERS  
 PLUMS SOLD  
 MEDIUM YIELD

ENTERPRISE CODE NUMBER:	77	78
++++ INCOME PER ENTERPRISE +++++	\$	\$
INCOME 1: PLUMS 3.00TON @ 140.0	420.00	1500.00LB. @ .1
INCOME 2: 0.00 @ 0.0	0.00	0.00 @ 0.0
1 GROSS INCOME: \$ 420.00		\$ 180.00
---- CASH EXPENSE PER ENTERPRISE ----\$		
23 HARVEST LABOR 96.0 HR. @ 3.80	364.80	0.0 @ 0.00 0.00
28 REPAIRS + MAINT. 21.10		4.20
44 SEEDS AND PLANTS 0.0 @ 0.00	0.00	12.0 LB. @ .50
45 NITROGEN DRY N 100.0 LB. @ .24	24.00	0.0 @ 0.00 0.00
46 NITROGEN LIQUID N 0.0 @ 0.00	0.00	60.0 LB. @ .16
47 PHOSPHORUS P 0.0 @ 0.00	0.00	60.0 LB. @ .20
48 POTASIUM K 0.0 @ 0.00	0.00	60.0 LB. @ .12
49 LIMESTONE 0.00		7.20
51 FUNGICIDES 114.20		4.50
52 INSECTICIDES 25.50		0.00
54 WEED SPRAYS 15.60		0.00
55 OTHER CHEMICALS 9.50		0.00
56 CHEMICALS 0.00		52.50
58 MACHINE HIRE 240.00		0.00
59 CROP SUPPLIES + PACS 1.45		0.00
72 DRYING FUEL 0.0 @ 0.00	0.00	0.00 PT. @ .03
73 GASOLINE-FUEL-OIL 41.00		14.80
77 UTILITIES-PHONE 12.10		2.45
78 TRUCKING-FREIGHT 0.00		16.75
83 MARKETING 8.90		1.50
84 OTHER CASH EXPENSE 2.40		0.00
2 TOTAL SELECTED CASH EXPENSES* \$ 880.55		131.50
4 FAMILY AND/OR REGULAR HIRED LABOR, HOURS 33.00		5.60
5 CORN GRAIN EQUIVALENT BUSHELS 0.00		0.00
6 CORN SILAGE TONS (AS FED) 0.00		0.00
7 DRY HAY EQUIVALENT TONS 0.00		0.00
8 CAPITAL GAINS INCOME INCLUDED IN ABOVE 0.00		0.00

\*DOES NOT INCLUDE DEPRECIATION, INSURANCE, RENT, TAXES, INTEREST, OR CHARGE FOR LINE 4 LABOR.





ENTERPRISE OR BUDGET NAME:	BEEF COW-CALF BUY REPLACEMENTS PER BEEF COW	BEEF FEEDER YEARLING ONE ANIMAL UNIT	BEEF FEEDER STEER ONE ANIMAL UNIT	SWINE FARROW TO FINISH 2 LITTERS PER YR
ENTERPRISE CODE NUMBER:	90	91	92	93
++++ INCOME PER ENTERPRISE +---	\$	\$	\$	\$
INCOME 1: STEER SALES		YEARLING	STEER SALES	FIN HOGS
1.91CWT. @ 72.0	137.52	11.50CWT. @ 68.0	782.00	33.60CWT. @ 55.0
INCOME 2: HEIFER SALES		DEATH LOSS	DEATH LOSS	SOWS SOLD
1.81CWT. @ 61.0	110.41	.12CWT. @ -68.0	-8.16	1.60CWT. @ 40.0
INCOME 3: COWS CULLED				BOARS SOLD
1.70CWT. @ 40.0	68.00	0.00CWT. @ 0.0	0.00	.18CWT. @ 25.0
1 GROSS INCOME:	\$ 315.93	773.84	699.72	1916.50
---- CASH EXPENSE PER ENTERPRISE ----\$				
26 BUILDING REPAIRS	.3.90	2.60	2.80	21.00
27 EQUIPMENT REPAIRS	5.30	6.25	6.90	32.60
35 MINERALS + VITAMINS	0.0 @ 0.00	0.00 100.0 LBS. @ .22	22.00 120.0 LBS. @ .22	26.40 320.0 LBS. @ .19
36 PIG CREEP FEED	0.0 @ 0.00	0.00 @ 0.00	0.00 0.0 @ 0.00	0.00 600.0 LBS. @ .17
37 SALT	55.0 LBS. @ .07	3.85 10.0 LBS. @ .07	.70 10.0 LBS. @ .07	.70 0.0 @ 0.00
38 SOYBEAN OIL MEAL	.5 CWT. @ 12.00	6.00 1.8 CWT. @ 12.00	21.60 2.8 CWT. @ 12.00	33.60 19.5 CWT. @ 12.00
62 BREEDING FEES	10.50	0.00	0.00	0.00
63 VET. + MEDICINE	8.00	8.00	9.00	25.00
73 GASOLINE-FUEL-OIL	0.00	0.00	0.00	13.50
76 INSURANCE	0.00	2.00	2.20	0.00
77 UTILITIES-PHONE	4.50	1.00	1.10	47.00
83 MARKETING	7.00	5.75	5.25	17.70
84 OTHER CASH EXPENSE	2.50	.90	1.00	10.25
85 FEEDER ANIMAL	0.0 @ 0.00	0.00 6.5 CWT. @ 68.00	442.00 5.0 CWT. @ 72.00	360.00 0.0 @ 0.00
86 FEMALE REPLACEMENT	.2 HEAD @ 500.00	85.00 0.0 @ 0.00	0.00 0.0 @ 0.00	0.00 0.0 @ 0.00
87 MALE BREEDING ANIMAL	0.0 @ 0.00	0.00 0.0 @ 0.00	0.00 0.0 @ 0.00	.0 HEAD @ 400.00
2 TOTAL SELECTED CASH EXPENSES*	\$ 136.55	512.80	448.95	576.85
4 FAMILY AND/OR REGULAR HIRED LABOR, HOURS	12.00	4.60	5.50	28.00
5 CORN GRAIN EQUIVALENT	BUSHELS 3.00	40.00	40.00	195.00
6 CORN SILAGE	TONS (AS FED) 0.00	4.00	4.00	0.00
7 DRY HAY EQUIVALENT	TONS 5.50	0.00	0.00	0.00
8 CAPITAL GAINS INCOME INCLUDED IN ABOVE	68.00	0.00	0.00	68.50

\*DOES NOT INCLUDE DEPRECIATION, INSURANCE, RENT, TAXES, INTEREST, OR CHARGE FOR LINE 4 LABOR.

