

No. 609

September 2001

## 2001 CROPS AND LIVESTOCK BUDGETS ESTIMATES FOR MICHIGAN by Barbara Dartt Gerald D. Schwab

Department of Agricultural Economics MICHIGAN STATE UNIVERSITY East Lansing, MI 48824-1039

### TABLE OF CONTENTS

I.	Introduction1
II.	Uses and Sources of Data 2 – 3
III.	Prices and Costs Used in 2001 Budgets4
IV.	Crop and Forage Budgets 5 – 21
	Barley – High and Mid-Yield11Barley – Silage21Beans – Navy14Corn Grain – Following Legume and Corn, High Yield5Corn Grain – Following Legume and Corn, Mid-Yield6Corn Grain – Irrigated, High Yield7Corn Grain – Organic Practices, Realistic Yield7Corn Silage – Following Legume and Corn, Mid-Yield15Hay – Alfalfa, Four and Three Cut Systems17Hay – Grass19Hay – Mixed, Three and Two Cut Systems18Haylage – Alfalfa, Four and Three Cut Systems16Oats – High and Mid-Yield12Oats – Organic Practices, Realistic Yield13Oatlage21Pasture – Intensively and Continuously Grazed20Seeding – Alfalfa, Spring19Soybeans – Conventional and No-Till, High Yield9Soybeans – Organic Practices, Realistic Yield13Sugar Beets14Wheat – High and Mid-Yield10
۷.	Fruit and Vegetable Budgets 22 – 30
	Apples – Central Leader System22Apples – Vertical Axe System23Blueberries24Cherries – Tart,25

Planting, Nonbearing, Full Bearing ...... 25, 26

V.	Fruit and Vegetable Budgets, continued Cherries –Sweet,	
	Planting, Nonbearing, Full Bearing	26, 27
	Peppers – Bell, Fresh Market	
	Pumpkins – Jack-o-Lantern	
	Tomatoes – Fresh Market	
VI.	Livestock Budgets	. 31 – 43
	Beef – Cow-Calf	
	Beef – Feeder Steer Calf, Holstein	
	Beef – Stocker Calf, Colored	
	Beef - Yearling Feeder Steer, Colored	
	Dairy – Cow,	
	18,000 and 22,000 and 26,000 lb Milk	34, 35
	Dairy – Cow & Replacement,	
	18,000 and 22,000 and 26,000 lb Milk	36, 37
	Dairy – Cow & Replacement,	
	16,000 lb Milk, Grazing	
	Dairy – Heifer, Birth to Freshening	
	Sheep – Ewe and Lambs	33
	Sheep – Finishing Lamb	33
	Swine – Farrow to Finish, High and Ave Production.	
	Swine – Breed to Feeder, High and Ave Production	
	Swine – Breed to Wean, High and Ave Production	
	Swine – Feeder to Finish, High and Ave Production	
	Swine – Wean to Finish, High and Ave Production	
	Swine – Wean to Feeder, High and Ave Production.	43

\* Includes adjustment factors for heavier placements and heifers.

#### Crop and Livestock Budget Estimates for Michigan, 2001

Barbara A. Dartt and Gerald D. Schwab, Extension Specialists Department of Agricultural Economics, Michigan State University

#### Introduction

This report provides estimates of returns and selected cash costs for a variety of crop and livestock enterprises produced on representative Michigan farms. It is expected that the budgets will be used for three main purposes: 1) Budgeting and planning on farms that lack their own cost and performance data because the enterprise is new to the farm and/or farm records are inadequate; 2) Verification of a farm's own historical data as they use their own information to plan ahead; and 3) Benchmarking of individual production costs. Because the following budgets were generated with a "representative" Michigan producer in mind, they will be much more appropriate for uses 1) and 2).

The format of these budgets has been selected to mimic input necessary for budgets used by the FINPACK 2001® software program. FINPACK 2001® is a computerized farm planning and analysis system that can generate year end analysis, long range plans, cash flow plans and coordinated farm balance sheets and income and cash flow statements. Michigan State University Extension agents can use this program to assist producers to evaluate a farm's financial situation, explore alternatives, recommend management strategies, and to make informed loan decisions.

The FINPACK 2001® budget format contains notable distinctions from a typical variable cost enterprise budget.

Crop and livestock budgets both report the number of "Family and regular hired labor hours." This practice is in contrast to making an assumption about the allocation of hired (paid) and contributed (unpaid) hours and adding the cost of the hired portion to the budget. With the exception of the vegetable and organic crop budgets, no labor costs are included in "Total Selected Cash Expense." In the livestock budgets, corn, hay and corn silage (potential homegrown feeds) are reported as bushels or tons fed. This practice is in contrast to assuming that all feeds are purchased and adding these costs to the budget. No costs for corn, hay, haylage, corn silage or pasture are included in "Total Selected Cash Expense."

#### **Using These Budgets**

Each budget was generated based on a specific set of production assumptions. These assumptions are stated, generally, in the budget subtitles and footnotes. As much additional production detail as possible has been added in budget footnotes. The choice of each "typical" production system may not be appropriate for your intended use. However, it is hoped that the assumptions for each budget are sufficiently clear so that individual practices can be added or removed to appropriately model specific circumstances. The user's access to historical records or other farm specific information will much enhance the use of these budgets in decision-making.

When utilizing these budgets to determine the profitability level of various and perhaps competing enterprises, care should be used to ensure that all costs appropriate for the users' circumstances are included. For example, if most feeds for a given livestock enterprise will be purchased rather than homegrown, the cash cost of these inputs must be included in the cash expenses for the enterprise.

Livestock farms will use less purchased fertilizer than shown in this book if manure has been applied. For planning purposes, get a soil test and adjust budgets accordingly.

Specific herbicide and pesticide names have been used in this publication to facilitate accurate budgeting. Michigan State University does not endorse the listed brand name products and is not directing producers to limit management systems to these products.

#### Sources of Data

The crop and livestock budgets were assembled in Winter/Spring 2000-2001 and represent an estimate of 2000-2001 conditions. Michigan State University agricultural economists estimated grain and livestock prices with assistance from county and regional Extension staff for specialized crops. Seed, fertilizer and chemical costs are based on ingredient costs from an informal survey of commercial sources.

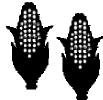
#### The authors wish to thank the following individuals for the development and editing of budgets found in this publication. Without their expertise and contributions, this publication would not be possible.

- Jim Bardenhagen, County Extension Director (Cherries)
- Ben Bartlett, District Extension Dairy and Livestock Agent (Stocker Calf, Sheep and Pasture)
- Ron Bates, Extension Swine Specialist (Swine)
- Roger Betz, District Extension Farm Management Agent (Dairy, Swine)
- Roy Black, Extension Farm Management Specialist (Feeder Steers)
- Joel Cowley, Extension Beef Specialist (Cow-calf)
- Ron Goldy, District Extension Vegetable Agent (Tomatoes)
- Kevin Gould, District Extension Livestock Agent (Feeder Steers, Stocker Calf)
- Steve Harsh, Extension Farm Management Specialist (Dairy)
- Jim Hilker, Extension Farm Management Specialist (Prices)
- Glenn Kole, District Extension Farm Management Agent (Cherries)
- Jerry Lindquist, County Extension Director (Hay and Pasture)
- Mark Longstroth, District Extension Fruit Agent (Blueberries)
- Paul Marks, Extension Agricultural Agent (Vegetables)
- Sherrill Nott, Extension Farm Management Agent (Dairy)
- Jim Nugent, Coordinator, Northwest Michigan Horticultural Research Station (Cherries)

- Steve Poindexter, Extension Agricultural Agent (Sugar Beets)
- •
- Joe Rook, Extension Sheep Specialist (Sheep)
- Dan Rossman, County Extension Director (Organic Crops)
- Steve Rust, Extension Beef Specialist (Feeder Steers)
- Warren Schauer, District Extension Farm Management Agent (Dairy)
- Phil Schwallier, District Extension Fruit Agent (Apples)
- Don Smucker, County Extension Director (Vegetables)
- Dennis Stein, District Extension Farm Management Agent (Barley, Oats, Navy Beans, Sugar Beets)
- Craig Thomas, District Extension Dairy Agent (Dairy)
- Eric Wittenberg, Agricultural Economics Graduate Student (Dairy)

FIELD CROPS         Livestock         FERTILIZER         Nitrogen – Urea         Ib N         0.25           Barley         bu         1.90         Beef cow – Cull         cwt         35         Nitrogen – Urea         Ib N         0.25           Beans – Navy         cwt         17.90         Beef cow – Cull         cwt         35         Nitrogen – Anhydrous         Ib N         0.26           Corn – Grain         bu         2.10         Beef cow – Replacement         head         900         Super Phosphate         Ib N_0         0.26           Corn – Grain         bu         4.00         Heifer – Weaned         cwt         85         Potash         Ib Ky0         0.10           Oats         bu         5.25         Steer – Feeder         cwt         78         SEED & TREES         0.00           Soybeans         bu         5.25         Steer – Slaughter (70% choice)         cwt         87         Corn – Grain         50 Ib         90           Sugar Beets         ton         34.00         Beef – Holsteins         Oats         Ib         0.16           Wheat         bu         2.60         Steer – Slaughter (70% choice)         cwt         70         Soybeans – non GM         50 Ib         21		Unit	Cost (\$)		Unit	Cost		Unit	Cost (\$)
Beans – Navy         cwt         17.90         Beef cow – Cull         cwt         35         Nitrogen – Anhydrous         Ib N         0.20           Corn – Grain         bu         2.10         Beef cow – Replacement         head         900         Super Phosphate         Ib P <sub>2</sub> 0 <sub>5</sub> 0.18           Corn – Grain, Organic         bu         4.00         Heifer – Weaned         cwt         85         Potash         Ib K <sub>2</sub> 0         0.13           Oats         bu         1.50         Steer – Calf (400 lb)         cwt         93         Lime         ton         20.00           Oats         Organic         bu         1.50         Steer – Feeder         cwt         76         Berley         bu         0         0           Soybeans         bu         5.00         Steer – Veaned         cwt         87         Corn – Grain         50 lb         90           Sugar Beets         ton         34.00         Beef – Holsteins         Oats         lb         0.16         90           Barley – Silage         ton         17         Dairy         Wheat         bu         7.20           Corn Silage         ton         24         Dairy Calf – Bull         head         80         Apple </th <th>FIELD CROPS</th> <th></th> <th></th> <th>LIVESTOCK</th> <th></th> <th></th> <th>FERTILIZER</th> <th></th> <th></th>	FIELD CROPS			LIVESTOCK			FERTILIZER		
Corn – Grain         bu         2.10         Beef cow – Replacement         head         900         Super Phosphate         Ib P <sub>2</sub> 0 <sub>5</sub> 0.16           Corn – Grain, Organic         bu         1.20         Steer – Calf (400 lb)         cwt         85         Potash         Ib K <sub>2</sub> 0         0.13           Oats         bu         1.50         Steer – Calf (400 lb)         cwt         93         Lime         ton         20.00           Oats, Organic         bu         1.50         Steer – Feeder         cwt         78         SEED & TREES           Soybeans         bu         5.25         Steer – Slaughter (70% choice)         cwt         87         Corn – Grain         50 lb         99           Sugar Beets         ton         34.00         Beef – Holsteins         Oats         lb         0.16           Wheat         bu         2.60         Steer – Calf         cwt         79         Soybeans – on GM         50 lb         21           FORAGES         Steer – Slaughter (70% choice)         cwt         70         Soybeans – on GM         50 lb         15           Barley – Silage         ton         17         Dairy         Wheat         bu         7.20           Corn Silage <t< td=""><td>Barley</td><td>bu</td><td>1.90</td><td>Beef – Colored</td><td></td><td></td><td>Nitrogen – Urea</td><td>lb N</td><td>0.25</td></t<>	Barley	bu	1.90	Beef – Colored			Nitrogen – Urea	lb N	0.25
Corn – Grain, Organic         bu         4.00         Heifer – Weaned         cwt         85         Potash         Ib K <sub>2</sub> 0         0.13           Oats         bu         1.20         Steer – Calf (400 lb)         cwt         93         Lime         ton         20.00           Oats, Organic         bu         1.50         Steer – Feeder         cwt         78         SEED & TREES           Soybeans         bu         5.25         Steer – Slaughter (70% choice)         cwt         76         Barley         bu         66           Soybeans         bu         5.00         Steer – Weaned         cwt         87         Corn – Grain         50 lb         90           Sugar Beets         ton         34.00         Beef – Holsteins	Beans – Navy	cwt	17.90	Beef cow – Cull	cwt	35	Nitrogen – Anhydrous	lb N	0.20
Oats         bu         1.20         Steer – Calf (400 lb)         cwt         93         Lime         ton         20.00           Oats, Organic         bu         1.50         Steer – Feeder         cwt         78         SEED & TREES           Soybeans         bu         5.25         Steer – Slaughter (70% choice)         cwt         76         Barley         bu         66           Soybeans         bu         15.00         Steer – Weaned         cwt         87         Corn – Grain         50 lb         99           Sugar Beets         ton         34.00         Beef – Holsteins         Oats         Ib         0.16           Wheat         bu         2.60         Steer – Calf         cwt         79         Soybeans – onG         50 lb         21           FORAGES         Steer – Slaughter (70% choice)         cwt         70         Soybeans – non GM         50 lb         15           Barley – Silage         ton         17         Dairy         Wheat         bu         7.20           Corn Silage         ton         24         Dairy Cow – Cull         cwt         30         Cherry Trees         tree         7.50           Hay – Alfalfa, Later         ton         50	Corn – Grain	bu	2.10	Beef cow – Replacement	head	900	Super Phosphate	lb P <sub>2</sub> 0 <sub>5</sub>	0.18
Oats, Organic         bu         1.50         Steer - Feeder         cwt         78         SEED & TREES           Soybeans         bu         5.25         Steer - Slaughter (70% choice)         cwt         76         Barley         bu         66           Soybeans         bu         15.00         Steer - Weaned         cwt         87         Corn - Grain         50 lb         96           Sugar Beets         ton         34.00         Beef - Holsteins         Oats         lb         0.16           Wheat         bu         2.60         Steer - Calf         cwt         79         Soybeans - GM         50 lb         21           FORAGES         Steer - Slaughter (70% choice)         cwt         70         Soybeans - non GM         50 lb         15           Barley - Silage         ton         17         Dairy         Wheat         bu         7.20           Corn Silage         ton         24         Dairy Cow - Cull         cwt         30         Cherry Trees         tree         7.50           Hay - Alfalfa, Later         ton         65         Ewes - Cull         cwt         30         Drying Fuel         bu         0.25           Hay - Grass         ton         65	Corn – Grain, Organic	bu	4.00	Heifer – Weaned	cwt	85	Potash	lb K <sub>2</sub> 0	0.13
Soybeans         bu         5.25         Steer – Slaughter (70% choice)         cwt         76         Barley         bu         60           Soybeans         bu         15.00         Steer – Weaned         cwt         87         Corn – Grain         50 lb         90           Sugar Beets         ton         34.00         Beef – Holsteins         Oats         lb         0.16           Wheat         bu         2.60         Steer – Calf         cwt         79         Soybeans – GM         50 lb         21           FORAGES         Steer – Slaughter (70% choice)         cwt         70         Soybeans – non GM         50 lb         15           Barley – Silage         ton         17         Dairy         Wheat         bu         7.20           Corn Silage         ton         24         Dairy Calf – Bull         head         80         Apple Trees         tree         7.50           Hay – Alfalfa, Early         ton         70         Dairy Cow – Cull         cwt         30         Cherry Trees         tree         7.50           Hay – Alfalfa, Later         ton         80         Sheep         OTHER INPUTS         50         50           Hay – Grass         ton         65	Oats	bu	1.20	Steer – Calf (400 lb)	cwt	93	Lime	ton	20.00
Soybeans         bu         15.00         Steer – Weaned         cwt         87         Corn – Grain         50 lb         90           Sugar Beets         ton         34.00         Beef – Holsteins         Oats         Ib         0.16           Wheat         bu         2.60         Steer – Calf         cwt         79         Soybeans – GM         50 lb         21           FORAGES         Steer – Slaughter (70% choice)         cwt         70         Soybeans – non GM         50 lb         15           Barley – Silage         ton         17         Dairy         Wheat         bu         7.20           Corn Silage         ton         24         Dairy Calf – Bull         head         80         Apple Trees         tree         6           Hay – Alfalfa, Early         ton         70         Dairy Cow – Cull         cwt         30         Cherry Trees         tree         7.50           Hay – Alfalfa, Later         ton         60         Sheep         OTHER INPUTS         50           Hay – Grass         ton         65         Ewes – Cull         cwt         30         Drying Fuel         bu         0.22           Haylage – Alfalfa         ton         65         Ewes – Cull	Oats, Organic	bu	1.50	Steer – Feeder	cwt	78	SEED & TREES		
Sugar Beets         ton         34.00         Beef – Holsteins         Oats         Ib         0.16           Wheat         bu         2.60         Steer – Calf         cwt         79         Soybeans – GM         50 lb         21           FORAGES         Steer – Slaughter (70% choice)         cwt         70         Soybeans – non GM         50 lb         15           Barley – Silage         ton         17         Dairy         Wheat         bu         7.20           Corn Silage         ton         24         Dairy Calf – Bull         head         80         Apple Trees         tree         66           Hay – Alfalfa, Early         ton         70         Dairy Cow – Cull         cwt         30         Cherry Trees         tree         7.50           Hay – Alfalfa, Later         ton         80         Milk         cwt         13         Blueberry Bushes         bush         2.50           Hay – Grass         ton         65         Ewes – Cull         cwt         30         Drying Fuel         bu         0.25           Hay- Mixed         ton         65         Ewes – Cull         cwt         30         Drying Fuel         bu         0.25           Haylage – Alfalfa	Soybeans	bu	5.25	Steer – Slaughter (70% choice)	cwt	76	Barley	bu	6
Wheatbu2.60Steer - Calfcwt79Soybeans - GM50 lb21FORAGESSteer - Slaughter (70% choice)cwt70Soybeans - non GM50 lb15Barley - Silageton17DairyWheatbu7.20Corn Silageton24Dairy Calf - Bullhead80Apple Treestree66Hay - Alfalfa, Earlyton70Dairy Cow - Cullcwt30Cherry Treestree7.50Hay - Alfalfa, Laterton80Milkcwt13Blueberry Bushesbush2.50Hay - Grasston50Ewes - Cullcwt30Drying Fuelbu0.25Hay - Mixedton65Ewes - Cullcwt30Drying Fuelbu0.25Hay and Mixedton17Lamb - Fall marketcwt70Interest Rate%9%Pasture - Improvedton80Lamb - Finishedcwt80Marketing, Grainbu0.05FRUITS & VEGETABLESWool - EweIb0.25Milk Haulingcwt0.44ApplesIb0.08Wool - Market LambIb0.10Soybean Meal (48%)ton180Beil Peppers30 Ib8.00SwineSwineSoybean Meal (48%)ton180	Soybeans	bu	15.00	Steer – Weaned	cwt	87	Corn – Grain	50 lb	90
FORAGES         Steer - Slaughter (70% choice)         cwt         70         Soybeans - non GM         50 lb         15           Barley - Silage         ton         17         Dairy         Wheat         bu         7.20           Corn Silage         ton         24         Dairy Calf - Bull         head         80         Apple Trees         tree         6           Hay - Alfalfa, Early         ton         70         Dairy Cow - Cull         cwt         30         Cherry Trees         tree         7.50           Hay - Alfalfa, Later         ton         80         Milk         cwt         13         Blueberry Bushes         bush         2.50           Hay - Grass         ton         50         Sheep         OTHER INPUTS         50         50           Hay - Mixed         ton         65         Ewes - Cull         cwt         30         Drying Fuel         bu         0.25           Haylage - Alfalfa         ton         40         Ewe - Replacement         head         110         Irrigation Water         acre-         4.50           Oatlage         ton         17         Lamb - Fall market         cwt         70         Interest Rate         %         9%           Pasture - Imp	Sugar Beets	ton	34.00	Beef – Holsteins			Oats	lb	0.16
Barley - Silageton17DairyWheatbu7.20Corn Silageton24Dairy Calf - Bullhead80Apple Treestree6Hay - Alfalfa, Earlyton70Dairy Cow - Cullcwt30Cherry Treestree7.50Hay - Alfalfa, Laterton80Milkcwt13Blueberry Bushesbush2.50Hay - Grasston50SheepOTHER INPUTS00.250Hay - Mixedton65Ewes - Cullcwt30Drying Fuelbu0.25Haylage - Alfalfaton40Ewe - Replacementhead110Irrigation WateraCre-4.50Oatlageton17Lamb - Fall marketcwt70Interest Rate%9%Pasture - Improvedton80Lamb - Finishedcwt80Trucking, Grainbu0.15Pasture - Unimprovedton40Ram - Replacementhead300Marketing, Grainbu0.05FRUITS & VEGETABLESWool - EweIb0.25Milk Haulingcwt0.44ApplesIb0.08Wool - Market LambIb0.10Soybean Meal (48%)ton180Bell Peppers30 Ib8.00SwineSwineSwineSwineSwineSwineSwineSwine	Wheat	bu	2.60	Steer – Calf	cwt	79	Soybeans – GM	50 lb	21
Corn Silageton24Dairy Calf – Bullhead80Apple Treestree6Hay – Alfalfa, Earlyton70Dairy Cow – Cullcwt30Cherry Treestree7.50Hay – Alfalfa, Laterton80Milkcwt13Blueberry Bushesbush2.50Hay – Grasston50SheepOTHER INPUTSHay – Mixedton65Ewes – Cullcwt30Drying Fuelbu0.25Haylage – Alfalfaton40Ewe – Replacementhead110Irrigation Wateracre-4.50Oatlageton17Lamb – Fall marketcwt70Interest Rate%9%Pasture – Improvedton80Lamb – Finishedcwt80Marketing, Grainbu0.15FRUITS & VEGETABLESWool – EweIb0.25Milk Haulingcwt0.44ApplesIb0.08Wool – Market LambIb0.10Soybean Meal (48%)ton180Bell Peppers30 Ib8.00SwineSwineSwineSwineSwineSwineSwineSwine	FORAGES			Steer – Slaughter (70% choice)	cwt	70	Soybeans – non GM	50 lb	15
Hay – Alfalfa, Earlyton70Dairy Cow – Cullcwt30Cherry Treestree7.50Hay – Alfalfa, Laterton80Milkcwt13Blueberry Bushesbush2.50Hay – Grasston50SheepOTHER INPUTS00.25Hay – Mixedton65Ewes – Cullcwt30Drying Fuelbu0.25Haylage – Alfalfaton40Ewe – Replacementhead110Irrigation Wateracre-4.50Oatlageton17Lamb – Fall marketcwt70Interest Rate%9%Pasture – Improvedton80Lamb – Finishedcwt80Trucking, Grainbu0.15Pasture – Unimprovedton40Ram – Replacementhead300Marketing, Grainbu0.05FRUITS & VEGETABLESWool – EweIb0.25Milk Haulingcwt0.44ApplesIb0.08Wool – Market LambIb0.10Soybean Meal (48%)ton180Bell Peppers30 Ib8.00SwineIb0.10Soybean Meal (48%)ton180	Barley – Silage	ton	17	Dairy			Wheat	bu	7.20
Hay – Alfalfa, Laterton80Milkcwt13Blueberry Bushesbush2.50Hay – Grasston50SheepOTHER INPUTSHay – Mixedton65Ewes – Cullcwt30Drying Fuelbu0.25Haylage – Alfalfaton40Ewe – Replacementhead110Irrigation Wateracre-4.50Oatlageton17Lamb – Fall marketcwt70Interest Rate%9%Pasture – Improvedton80Lamb – Finishedcwt80Trucking, Grainbu0.15Pasture – Unimprovedton40Ram – Replacementhead300Marketing, Grainbu0.05FRUITS & VEGETABLESWool – EweIb0.25Milk Haulingcwt0.44ApplesIb0.08Wool – Market LambIb0.10Soybean Meal (48%)ton180Bell Peppers30 Ib8.00SwineIb0.10Soybean Meal (48%)ton180	Corn Silage	ton	24	Dairy Calf – Bull	head	80	Apple Trees	tree	6
Hay - Grasston50SheepOTHER INPUTSHay - Mixedton65Ewes - Cullcwt30Drying Fuelbu0.25Haylage - Alfalfaton40Ewe - Replacementhead110Irrigation Wateracre-4.50Oatlageton17Lamb - Fall marketcwt70Interest Rate%9%Pasture - Improvedton80Lamb - Finishedcwt80Trucking, Grainbu0.15Pasture - Unimprovedton40Ram - Replacementhead300Marketing, Grainbu0.05FRUITS & VEGETABLESWool - EweIb0.25Milk Haulingcwt0.44ApplesIb0.08Wool - Market LambIb0.10Soybean Meal (48%)ton180Bell Peppers30 Ib8.00Swine5050505050	Hay – Alfalfa, Early	ton	70	Dairy Cow – Cull	cwt	30	Cherry Trees	tree	7.50
Hay – Mixedton65Ewes – Cullcwt30Drying Fuelbu0.25Haylage – Alfalfaton40Ewe – Replacementhead110Irrigation Wateracre-4.50Oatlageton17Lamb – Fall marketcwt70Interest Rate%9%Pasture – Improvedton80Lamb – Finishedcwt80Trucking, Grainbu0.15Pasture – Unimprovedton40Ram – Replacementhead300Marketing, Grainbu0.05FRUITS & VEGETABLESWool – EweIb0.25Milk Haulingcwt0.44ApplesIb0.08Wool – Market LambIb0.10Soybean Meal (48%)ton180Bell Peppers30 Ib8.00Swine505050505050	Hay – Alfalfa, Later	ton	80	Milk	cwt	13	Blueberry Bushes	bush	2.50
Haylage – Alfalfaton40Ewe – Replacementhead110Irrigation Wateracre-4.50Oatlageton17Lamb – Fall marketcwt70Interest Rate%9%Pasture – Improvedton80Lamb – Finishedcwt80Trucking, Grainbu0.15Pasture – Unimprovedton40Ram – Replacementhead300Marketing, Grainbu0.05FRUITS & VEGETABLESWool – EweIb0.25Milk Haulingcwt0.44ApplesIb0.08Wool – Market LambIb0.10Soybean Meal (48%)ton180Bell Peppers30 Ib8.00SwineSwineSoybean Meal (48%)ton180	Hay – Grass	ton	50	Sheep			OTHER INPUTS		
Oatlageton17Lamb – Fall marketcwt70Interest Rate%9%Pasture – Improvedton80Lamb – Finishedcwt80Trucking, Grainbu0.15Pasture – Unimprovedton40Ram – Replacementhead300Marketing, Grainbu0.05FRUITS & VEGETABLESWool – EweIb0.25Milk Haulingcwt0.44ApplesIb0.08Wool – Market LambIb0.10Soybean Meal (48%)ton180Bell Peppers30 Ib8.00SwineAAAAAAA	Hay – Mixed	ton	65	Ewes – Cull	cwt	30	Drying Fuel	bu	0.25
Pasture – Improvedton80Lamb – Finishedcwt80Trucking, Grainbu0.15Pasture – Unimprovedton40Ram – Replacementhead300Marketing, Grainbu0.05FRUITS & VEGETABLESWool – EweIb0.25Milk Haulingcwt0.44ApplesIb0.08Wool – Market LambIb0.10Soybean Meal (48%)ton180Bell Peppers30 Ib8.00SwineSwineSoybean Meal (48%)ton180	Haylage – Alfalfa	ton	40	Ewe – Replacement	head	110	Irrigation Water	acre-	4.50
Pasture – Unimprovedton40Ram – Replacementhead300Marketing, Grainbu0.05FRUITS & VEGETABLESWool – EweIb0.25Milk Haulingcwt0.44ApplesIb0.08Wool – Market LambIb0.10Soybean Meal (48%)ton180Bell Peppers30 lb8.00SwineSwineSoybean Meal (48%)ton180	Oatlage	ton	17	Lamb – Fall market	cwt	70	Interest Rate	%	9%
FRUITS & VEGETABLES         Wool – Ewe         Ib         0.25         Milk Hauling         cwt         0.44           Apples         Ib         0.08         Wool – Market Lamb         Ib         0.10         Soybean Meal (48%)         ton         180           Bell Peppers         30 lb         8.00         Swine                       180             30 <td>Pasture – Improved</td> <td>ton</td> <td>80</td> <td>Lamb – Finished</td> <td>cwt</td> <td>80</td> <td>Trucking, Grain</td> <td>bu</td> <td>0.15</td>	Pasture – Improved	ton	80	Lamb – Finished	cwt	80	Trucking, Grain	bu	0.15
Apples         Ib         0.08         Wool – Market Lamb         Ib         0.10         Soybean Meal (48%)         ton         180           Bell Peppers         30 lb         8.00         Swine         5	Pasture – Unimproved	ton	40	Ram – Replacement	head	300	Marketing, Grain	bu	0.05
Bell Peppers 30 lb 8.00 Swine	FRUITS & VEGETABLES			Wool – Ewe	lb	0.25	Milk Hauling	cwt	0.44
	Apples	lb	0.08	Wool – Market Lamb	lb	0.10	Soybean Meal (48%)	ton	180
Blueberries Ib 0.75 Boar – Cull cwt 20	Bell Peppers	30 lb	8.00	Swine					
	Blueberries	lb	0.75	Boar – Cull	cwt	20			
Cherries – Sweet Ib 0.25 Boar – Replacement head 600	Cherries – Sweet	lb	0.25	Boar – Replacement	head	600			
Cherries – Tart Ib 0.23 Hog – Finished cwt 42.00	Cherries – Tart	lb	0.23	Hog – Finished	cwt	42.00			
Pumpkin ton 120 Pig – Feeder (40 lb) head 46.00	Pumpkin	ton	120	Pig – Feeder (40 lb)	head	46.00			
Tomatoes – Fresh mkt 20 lb 10 Pig – Weaned head 26.50	Tomatoes – Fresh mkt	20 lb	10	Pig – Weaned	head	26.50			
Sow – Cull cwt 26.00				Sow – Cull	cwt	26.00			
Sow – Replacement head 200				Sow – Replacement	head	200			

### Prices and Costs Used in 2001 Budgets



## Corn Grain (following legume)

High Yield Goal Conventional Cultural Practices

	Quantity	Unit	Price per Unit	Total per Acre
	Quantity	Onic	0111	Acic
<b>REVENUE SOURCES</b>	5			
Grain	150	bu	\$ 2.10	\$ 315.00
TOTAL REVENUE				\$ 315.00
CASH EXPENSES				
Seed	30,000	kernel	\$ 90.00	\$ 33.75
Fertilizer <sup>1</sup>				
Nitrogen	150	lbs	\$ 0.20	\$ 30.00
$P_2O_5$	55	lbs	\$ 0.18	\$ 9.90
K <sub>2</sub> O	85	lbs	\$ 0.13	\$ 11.05
Lime				\$ 8.00
Herbicides <sup>2</sup>				\$ 29.25
Insecticides <sup>3</sup>	0	lbs	\$ 2.50	\$ -
Drying	150	bu	\$ 0.25	\$ 37.50
Fuel, oil, lube <sup>4</sup>	5	gal	\$ 1.73	\$ 8.63
Repairs		Ū		\$ 22.00
Utilities				\$ 6.00
Trucking	150	bu	\$ 0.15	\$ 22.50
Marketing	150	bu	\$ 0.05	\$ 7.50
TOTAL SELECTED C	\$ 226.08			
REVENUE ABOVE S	\$ 88.93			
Family and regular hir	3.6			
Corn grain equivalent,	bu			150.0

1 Assumes 35 lb N contribution from previous crop and soil test indicating 50 lbs/acre available phosphorus and 150 lbs/acre available potassium. Refer to Michigan State University Extension bulletin E-2567, 2000, "Tri-State Fertilizer Recommendations for Corn, Soybeans, Wheat & Alfalfa" for more detail.

2 Assumes post-emergence application of 1 pt Buctril and 1 pt 4L atrazine; and preemergence grass control from 1.3 pt Dual II magnum.

3 Assumes no insecticide treatment required for corn rootworm because of crop rotation. 4 Includes a \$1.50 per gallon charge for diesel fuel and an additional 15% per gallon to cover cost of oil and lubrication materials.



## Corn Grain (following corn)

High Yield Goal Conventional Cultural Practices

· • • –			Drico por		Total par
	Quantity	Unit	Price per Unit		Total per Acre
REVENUE SOURCES					
Grain	135	bu	\$ 2.10	\$	283.50
TOTAL REVENUE				\$	283.50
CASH EXPENSES					
Seed	30,000	kernel	\$ 90.00	\$	33.75
Fertilizer <sup>1</sup>					
Nitrogen	155	lbs	\$ 0.20	\$	31.00
$P_2O_5$	45	lbs	\$ 0.18	\$	8.10
K <sub>2</sub> O	75	lbs	\$ 0.13	\$	9.75
Lime				\$	8.00
Herbicides <sup>2</sup>				\$	29.25
Insecticides <sup>3</sup>	5	lbs	\$ 2.50	\$	12.50
Drying	135	bu	\$ 0.25	\$	33.75
Fuel, oil, lube <sup>4</sup>	5	gal	\$ 1.73	\$	8.63
Repairs		Ū		\$	22.00
Utilities				\$	6.00
Trucking	135	bu	\$ 0.15	\$	20.25
Marketing	135	bu	\$ 0.05	\$	6.75
TOTAL SELECTED C REVENUE ABOVE S	\$ \$	229.73 53.78			
Family and regular hir	ed labor, h	nours			3.6
Corn grain equivalent,	bu				135.0

1 Assumes no N contribution from previous crop and soil test indicating 50 lbs/acre available phosphorus and 150 lbs/acre available potassium. Refer to Michigan State University Extension bulletin E-2567, 2000, "Tri-State Fertilizer Recommendations for Corn, Soybeans, Wheat & Alfalfa" for more detail.

2 Assumes post-emergence application of 1 pt Buctril and 1 pt 4L atrazine; and preemergence grass control from 1.3 pt Dual II magnum.

3 Assumes treatment for corn rootworm with Counter insecticide.



## **Corn Grain (following legume)**

Mid-Level Yield Goal **Conventional Cultural Practices** 

<b>– –</b>	•			Price per		Total per
	Quantity	Unit		Unit		Acre
REVENUE SOURCE Grain	<b>ES</b> 120	hu	¢	2.10	¢	252.00
Grain	120	bu	\$	2.10	\$	252.00
TOTAL REVENUE					\$	252.00
CASH EXPENSES						
Seed	26,000	kernel	\$	90.00	\$	29.25
Fertilizer <sup>1</sup>						
Nitrogen	105	lbs	\$	0.20	\$	21.00
$P_2O_5$	45	lbs	\$	0.18	\$	8.10
K <sub>2</sub> O	70	lbs	\$	0.13	\$	9.10
Lime					\$	8.00
Herbicides <sup>2</sup>					\$	29.25
Insecticides <sup>3</sup>						
Drying	120	bu	\$	0.25	\$	30.00
Fuel, oil, lube <sup>4</sup>	5	gal	\$	1.73	\$	8.63
Repairs		0			\$	22.00
Utilities		bu			\$	5.50
Trucking	120	bu	\$	0.15	\$	18.00
Marketing	120	bu	\$	0.05	\$	6.00
TOTAL SELECTED	\$	194.83				
REVENUE ABOVE S	\$	57.18				
Family and regular hi		3.5				
Corn grain equivalent	t, bu					120.0

1 Assumes 35 lb N contribution from previous crop and soil test indicating 50 lbs/acre available phosphorus and 150 lbs/acre available potassium. Refer to Michigan State University Extension bulletin E-2567, 2000, "Tri-State Fertilizer Recommendations for Corn, Soybeans, Wheat & Alfalfa" for more detail.

2 Assumes post-emergence application of 1 pt Buctril and 1 pt 4L atrazine; and preemergence grass control from 1.3 pt Dual II magnum.

3 Assumes no insecticide treatment required for rootworm because of crop rotation.

4 Includes a \$1.50 per gallon charge for diesel fuel and an additional 15% per gallon to cover cost of oil and lubrication materials.



## Corn Grain (following corn)

Mid-Level Yield Goal Conventional Cultural Practices

<b>– –</b>				Price per		Total per
	Quantity	Unit		Unit		Acre
REVENUE SOURCES						
Grain	108	bu	\$	2.10	\$	226.80
TOTAL REVENUE					\$	226.80
CASH EXPENSES						
Seed	26,000	kernel	\$	90.00	\$	29.25
Fertilizer <sup>1</sup>						
Nitrogen	120	lbs	\$	0.20	\$	24.00
$P_2O_5$	40	lbs	\$	0.18	\$	7.20
K <sub>2</sub> O	65	lbs	\$	0.13	\$	8.45
Lime					\$	8.00
Herbicides <sup>2</sup>					\$	29.25
Insecticides <sup>3</sup>	5	lbs	\$	2.50	\$	12.50
Drying	108	bu	\$	0.25	\$	27.00
Fuel, oil, lube <sup>4</sup>	5	gal	\$	1.73	\$	8.63
Repairs		5	•		\$	22.00
Utilities					\$	5.50
Trucking	108	bu	\$	0.15	\$	16.20
Marketing	108	bu	\$	0.05	\$	6.00
TOTAL SELECTED O	\$ \$	203.98 22.83				
Family and regular hir	ed labor, h	nours				3.4
Corn grain equivalent,	bu					108.0

1 Assumes no N contribution from previous crop and soil test indicating 50 lbs/acre available phosphorus and 150 lbs/acre available potassium. Refer to Michigan State University Extension bulletin E-2567, 2000, "Tri-State Fertilizer Recommendations for Corn, Soybeans, Wheat & Alfalfa" for more detail.

2 Assumes post-emergence application of 1 pt Buctril and 1 pt 4L atrazine; and preemergence grass control from 1.3 pt Dual II magnum.

3 Assumes treatment for corn rootworm with Counter insecticide.

4 Includes a \$1.50 per gallon charge for diesel fuel and an additional 15% per gallon to cover cost of oil and lubrication materials.

### Corn Grain, Irrigated (following legume)

High Yield Goal Conventional Cultural Practices

- • •			Ρ	rice per	Т	otal per
	Quantity	Unit		Unit		Acre
REVENUE SOUR	CES					
Grain	200	bu	\$	2.10	\$	420.00
TOTAL REVENUE	i				\$	420.00
CASH EXPENSES	5					
Seed	34,000	kernel	\$	90.00	\$	38.25
Fertilizer <sup>1</sup>						
Nitrogen	185	lb	\$	0.20	\$	37.00
$P_2O_5$	90	lb	\$	0.18	\$	16.20
K <sub>2</sub> O	200	lb	\$	0.13	\$	26.00
Lime					\$	8.00
Herbicides <sup>2</sup>					\$	29.25
Insecticides					\$	-
Drying	200	bu	\$	0.25	\$	50.00
Irrigation	6	acre-inch	\$	4.50	\$	27.00
Fuel, oil, lube <sup>3</sup>	5.5	gal	\$	1.73	\$	9.49
Repairs					\$	30.00
Utilities					\$	5.50
Trucking	200	bu	\$	0.15	\$	30.00
Marketing	200	bu	\$	0.05	\$	10.00
TOTAL SELECTE	D CASH EX	PENSES			\$	316.69
REVENUE ABOVE SELECTED CASH EXPENSES \$						
Family and regular	hired labor,	hours				3.5
Corn grain equivale	ent, bu					200

1 Assumes 35 lb N contribution from previous crop and soil test indicating 50 lbs/acre available phosphorus and 150 lbs/acre available potassium. Refer to Michigan State University Extension bulletin E-2567, 1995, "Tri-State Fertilizer Recommendations for Corn, Soybeans, Wheat & Alfalfa" for more detail.

2 Assumes post-emergence application of 1 pt Buctril and 1 pt 4L atrazine; and preemergence grass control from 1.3 pt Dual II magnum.

3 Includes a \$1.50 per gallon charge for diesel fuel and an additional 15% per gallon to cover cost of oil and lubrication materials.



Corn Grain, Organic (following legume)

Realistic Yield Goal ORGANIC Cultural Practices

	Price per									
	Quantity	Unit		Unit		Acre				
REVENUE SOURCES										
Grain	100	bu	\$	4.00	\$	400.00				
TOTAL REVENUE					\$	400.00				
CASH EXPENSES										
Seed	25,000	kernel	\$	90.00	\$	28.13				
Fertilizer <sup>1</sup>										
Compost <sup>2</sup>	3000	lb	\$	0.02	\$	60.00				
Cover crop (previous yea	r 12	lb	\$	1.25	\$	15.00				
Lime					\$	8.00				
Drying	100	bu	\$	0.25	\$	25.00				
Fuel, oil, lube <sup>3</sup>	7	gal	\$	1.73	\$	12.08				
Repairs					\$	22.00				
Labor for weeding <sup>4</sup>	5	hr	\$	10.00	\$	50.00				
Utilities					\$	6.00				
Trucking	100	bu	\$	0.30	\$	30.00				
Marketing	100	bu	\$	0.10	\$	10.00				
TOTAL SELECTED CASH EXPENSES \$										
REVENUE ABOVE SELECTED CASH EXPENSES \$										
Family and regular hired la	bor, hours					3.4				
Corn grain equivalent, bu						100				

1 Assumes 50 lb N contribution from previous crop and soil test indicating 50 lbs/acre available phosphorus and 150 lbs/acre available potassium. Refer to Michigan State University Extension bulletin E-2567, 1995, "Tri-State Fertilizer Recommendations for Corn, Soybeans, Wheat & Alfalfa" for more detail.

2 Compost nutrient analysis: 2-5-3.

3 Includes a \$1.50 per gallon charge for diesel fuel and an additional 15% per gallon to cover cost of oil and lubrication materials.

4 Weed control with rotary hoeing, row cultivation and labor hired for hand weeding.

Soybeans

High Yield Goal Conventional Culture, Non-GM

	Quantity	Unit	Price per Unit	Total per Acre
REVENUE SOURCES	5			
Soybeans	50	bu	\$ 5.25	\$ 262.50
TOTAL REVENUE				\$ 262.50
CASH EXPENSES				
Seed	200,000	seeds	\$ 15.00	\$ 21.43
Fertilizer <sup>1</sup>				
$P_2O_5$	40	lbs	\$ 0.18	\$ 7.20
K <sub>2</sub> O	105	lbs	\$ 0.13	\$ 13.65
Lime				\$ 8.00
Herbicides <sup>2</sup>	3	pint	\$ 5.00	\$ 15.00
Fuel, oil, lube <sup>3</sup>	4.25	gal	\$ 1.73	\$ 7.33
Repairs				\$ 18.00
Utilities				\$ 1.50
Trucking	50	bu	\$ 0.15	\$ 7.50
Marketing	50	bu	\$ 0.05	\$ 2.50

TOTAL SELECTED CASH EXPENSES	\$ 102.11
REVENUE ABOVE SELECTED CASH EXPENSES	\$ 160.39

Family and regular hired labor, hours

1 Assumes soil test indicating 50 lbs/acre available phosphorus and 150 lbs/acre available potassium. Refer to Michigan State University Extension bulletin E-2567, 2000, "Tri-State Fertilizer Recommendations for Corn, Soybeans, Wheat & Alfalfa" for more detail.

2 Assumes 3 pint Steel per acre pre-emergence.

3 Includes a \$1.50 per gallon charge for diesel fuel and an additional 15% per gallon to cover cost of oil and lubrication materials.



**Soybeans** High Yield Goal No-Till, GM

			Price per		Total per
Quantity	Unit		Unit		Acre
50	<b>b</b>	¢	5.05	¢	000 50
50	bu	\$	5.25	\$	262.50
				\$	262.50
200,000	seeds	\$	21.00	\$	30.00
40	lbs	\$	0.18	\$	7.20
105	lbs	\$	0.13	\$	13.65
				\$	8.00
1	quart	\$	9.00	\$	9.00
2.5	gallon	\$	1.73	\$	4.31
				\$	10.00
				\$	1.50
50	bu	\$	0.15	\$	7.50
50	bu	\$	0.05	\$	2.50
	50 200,000 40 105 1 2.5 50	50 bu 200,000 seeds 40 lbs 105 lbs 1 quart 2.5 gallon 50 bu	50 bu \$ 200,000 seeds \$ 40 lbs \$ 105 lbs \$ 1 quart \$ 2.5 gallon \$ 50 bu \$	Quantity         Unit         Unit           50         bu         \$ 5.25           200,000         seeds         \$ 21.00           40         lbs         \$ 0.18           105         lbs         \$ 0.13           1         quart         \$ 9.00           2.5         gallon         \$ 1.73           50         bu         \$ 0.15	50 bu \$ 5.25 \$ \$ 200,000 seeds \$ 21.00 \$ 40 lbs \$ 0.18 \$ 105 lbs \$ 0.13 \$ 1 quart \$ 9.00 \$ 2.5 gallon \$ 1.73 \$ \$ 50 bu \$ 0.15 \$

TOTAL SELECTED CASH EXPENSES	\$ 93.66
REVENUE ABOVE SELECTED CASH EXPENSES	\$ 168.84

Family and regular hired labor, hours

2.2

1 Assumes soil test indicating 50 lbs/acre available phosphorus and 150 lbs/acre available potassium. Refer to Michigan State University Extension bulletin E-2567, 2000, "Tri-State Fertilizer Recommendations for Corn, Soybeans, Wheat & Alfalfa" for more detail.

2 Assumes 1 quart Roundup Ultra post-emergence.

3 Includes a \$1.50 per gallon charge for diesel fuel and an additional 15% per gallon to cover cost of oil and lubrication materials.

3.2

Soybeans Mid-Yield Goal Conventional C

Mid-Yield Goal Conventional Culture, Non-GM

	Quantity	Unit	Price per Unit	Total per Acre
REVENUE SOURCE	S			
Soybeans	40	bu	\$ 5.25	\$ 210.00
TOTAL REVENUE				\$ 210.00
CASH EXPENSES				
Seed	180,000	seeds	\$ 15.00	\$ 19.29
Fertilizer <sup>1</sup>				
$P_2O_5$	30	lbs	\$ 0.18	\$ 5.40
K <sub>2</sub> O	90	lbs	\$ 0.13	\$ 11.70
Lime				\$ 7.50
Herbicides <sup>2</sup>	3	pint	\$ 5.00	\$ 15.00
Fuel, oil, lube <sup>3</sup>	4.25	gal	\$1.50	\$ 6.38
Repairs		0	·	\$ 18.00
Utilities				\$ 1.50
Trucking	40	bu	\$ 0.15	\$ 6.00
Marketing	40	bu	\$ 0.05	\$ 2.00
TOTAL SELECTED (				\$ 92.76

# TOTAL SELECTED CASH EXPENSES\$92.76REVENUE ABOVE SELECTED CASH EXPENSES\$117.24

Family and regular hired labor, hours

1 Assumes soil test indicating 50 lbs/acre available phosphorus and 150 lbs/acre available potassium. Refer to Michigan State University Extension bulletin E-2567, 2000, "Tri-State Fertilizer Recommendations for Corn, Soybeans, Wheat & Alfalfa" for more detail.

2 Assumes 3 pint Steel per acre pre-emergence.

3 Includes a \$1.50 per gallon charge for diesel fuel and an additional 15% per gallon to cover cost of oil and lubrication materials.



Soybeans Mid-Yield Goal No-Till, GM

	Quantity	Unit		Price per Unit		Total per Acre
	2					
REVENUE SOURCES	S					
Soybeans	40	bu	\$	5.25	\$	210.00
			Ŧ		Ŧ	
TOTAL REVENUE					\$	210.00
CASH EXPENSES						
Seed	180,000	spads	\$	21.00	\$	27.00
Fertilizer <sup>1</sup>	100,000	36603	Ψ	21.00	Ψ	27.00
	30	lha	ድ	0.10	¢	E 40
P <sub>2</sub> O <sub>5</sub>		lbs	\$	0.18	\$	5.40
K₂O	90	lbs	\$	0.13	\$	11.70
Lime					\$	7.50
Herbicides <sup>2</sup>	1	quart	\$	9.00	\$	9.00
Fuel, oil, lube <sup>3</sup>	2.5	gal		\$1.50	\$	3.75
Repairs		•			\$	10.00
Utilities					\$	1.50
Trucking	40	bu	\$	0.15	\$	6.00
Marketing	40	bu	\$	0.05	\$	2.00
-						

TOTAL SELECTED CASH EXPENSES	\$ 83.85
REVENUE ABOVE SELECTED CASH EXPENSES	\$ 126.15

#### Family and regular hired labor, hours

2.0

1 Assumes soil test indicating 50 lbs/acre available phosphorus and 150 lbs/acre available potassium. Refer to Michigan State University Extension bulletin E-2567, 2000, "Tri-State Fertilizer Recommendations for Corn, Soybeans, Wheat & Alfalfa" for more detail.

2 Assumes 1 quart Roundup Ultra post-emergence.

3 Includes a \$1.50 per gallon charge for diesel fuel and an additional 15% per gallon to cover cost of oil and lubrication materials.

3.0



### Wheat (without legume seeding)

High Yield Goal Conventional Cultural Practices

71: X				Price per		Total per	
/11	Quantity	Unit		Unit		Acre	
	- 0						
REVENUE SOURCE				<b>*0</b> 00	•	004.00	
Grain	90	bu		\$2.60	\$	234.00	
TOTAL REVENUE					\$	234.00	
CASH EXPENSES							
Seed	120	lbs	\$	0.15	\$	18.00	
Fertilizer <sup>1</sup>							
Nitrogen	110	lbs	\$	0.25	\$	27.50	
Phosphate	55	lbs	\$	0.18	\$	9.90	
Potash	70	lbs	\$	0.13	\$	9.10	
Lime					\$	8.00	
Herbicides <sup>2</sup>	1	pint	\$	1.65	\$	6.60	
Insecticides <sup>3</sup>	4	ΟZ	\$	2.58	\$	10.31	
Fuel, oil, lube <sup>4</sup>	4	gal	\$	1.73	\$	6.90	
Repairs					\$	15.00	
Utilities					\$	2.00	
Trucking	90	bu	\$	0.15	\$	13.50	
Marketing	90	bu	\$	0.05	\$	4.50	
TOTAL SELECTED	CASH EXP	ENSES	5		\$	131.31	
REVENUE ABOVE	SELECTED	CASH	E)	(PENSES	\$	102.69	
Family and regular h		3.5					
Corn grain equivaler	it, bu					99	
1 Assumes soil test indicating 50 lbs/acre available phosphorus and 150 lbs/acre							

1 Assumes soil test indicating 50 lbs/acre available phosphorus and 150 lbs/acre available potassium. Refer to Michigan State University Extension bulletin E-2567, 2000, "Tri-State Fertilizer Recommendations for Corn, Soybeans, Wheat & Alfalfa" for more detail.

2 Assumes weed control with 1 pint of 2,4-D.

3 Assumes scab control with 4 ounces of Tilt.

4 Includes a \$1.50 per gallon charge for diesel fuel and an additional 15% per gallon to cover cost of oil and lubrication materials.



### Wheat (without legume seeding)

Mid-Level Yield Goal Conventional Cultural Practices

M						
X	0	11		Price per		Total per
/ 1	Quantity	Unit		Unit		Acre
<b>REVENUE SOURCE</b>	S					
Grain	70	bu		\$2.60	\$	182.00
TOTAL REVENUE					\$	182.00
CASH EXPENSES						
Seed	100	lbs	\$	0.15	\$	15.00
Fertilizer <sup>1</sup>						
Nitrogen	75	lbs	\$	0.25	\$	18.75
Phosphate	45	lbs	\$	0.18	\$	8.10
Potash	60	lbs	\$	0.13	\$	7.80
Lime					\$	8.00
Herbicides <sup>2</sup>	1	pint	\$	1.65	\$	1.65
Insecticides						
Fuel, oil, lube <sup>3</sup>	4	gal	\$	1.73	\$	6.90
Repairs		U			\$	15.00
Utilities					\$	2.00
Trucking	70	bu	\$	0.15	\$	10.50
Marketing	70	bu	\$	0.05	\$	3.50
TOTAL SELECTED	<b>CASH ΕΧΡΙ</b>		2		\$	97.20
REVENUE ABOVE			-	PENSES	\$	84.80
Family and regular hired labor, hours						3.5
Corn grain equivalen	t, bu					77

1 Assumes soil test indicating 50 lbs/acre available phosphorus and 150 lbs/acre available potassium. Refer to Michigan State University Extension bulletin E-2567, 2000, "Tri-State Fertilizer Recommendations for Corn, Soybeans, Wheat & Alfalfa" for more detail.

2 Assumes weed control with 1 pint of 2,4-D.



## Barley (without legume seeding)

High Yield Goal

BARLEY				Price per		Total per
	Quantity	Unit		Unit		Acre
REVENUE SOURCES						
Grain	90	bu	\$	1.90	\$	171.00
TOTAL REVENUE					\$	171.00
CASH EXPENSES						
Seed	120	lb	\$	0.13	\$	15.00
Fertilizer <sup>1</sup>						
Nitrogen	60	lb	\$	0.25	\$	15.00
Phosphate	60	lb	\$	0.18	\$	10.80
Potash	110	lb	\$	0.13	\$	14.30
Lime					\$	7.50
Herbicides <sup>2</sup>	1	pint	\$	1.65	\$	1.65
Fuel, oil, lube <sup>3</sup>	4	gal	\$	1.73	\$	6.90
Equipment repairs					\$	15.00
Utilities, phone					\$	1.65
Trucking	90	bu	\$	0.15	\$	13.50
Marketing	90	bu	\$	0.05	\$	4.50
TOTAL SELECTED C	\$	105.80				
<b>REVENUE ABOVE SE</b>	LECTED C	ASH EX	KP	ENSES	\$	65.20
Family and regular hired labor, hours						3.0
Corn grain equivalent,	bu					72.0

1 Assumes soil test indicating 50 lbs/acre available phosphorus and 150 lbs/acre available potassium. Refer to Michigan State University Extension bulletin E-2567, 2000, "Tri-State Fertilizer Recommendations for Corn, Soybeans, Wheat & Alfalfa" for more d 2 Assumes weed control with 1 pint of 2,4-D.

3 Includes a \$1.50 per gallon charge for diesel fuel and an additional 15% per gallon to cover cost of oil and lubrication materials.



Barley (without legume seeding)

Mid-Level Yield Goal

BARLEY				Price per	Total per
	Quantity	Unit		Unit	Acre
REVENUE SOURCES					
Grain	60	bu	\$	1.90	\$ 114.00
TOTAL REVENUE					\$ 114.00
CASH EXPENSES					
Seed	100	lb	\$	0.13	\$ 12.50
Fertilizer <sup>1</sup>		lb			
Nitrogen	50	lb	\$	0.25	\$ 12.50
Phosphate	50	lb	\$	0.18	\$ 9.00
Potash	40	lb	\$	0.13	\$ 5.20
Lime					\$ 7.50
Herbicides <sup>2</sup>	1	pint	\$	1.65	\$ 1.65
Fuel, oil, lube <sup>3</sup>	4	gal	\$	1.73	\$ 6.90
Equipment repairs		Ū.			\$ 15.00
Utilities, phone					\$ 1.65
Trucking	60	bu	\$	0.15	\$ 9.00
Marketing	60	bu	\$	0.05	\$ 3.00
TOTAL SELECTED C	ASH EXPEN	ISES			\$ 83.90
<b>REVENUE ABOVE SE</b>	LECTED C	ASH EX	KΡ	ENSES	\$ 30.10
Family and regular hire	d labor, hou	irs			3.0
Corn grain equivalent,	bu				48.0

1 Assumes soil test indicating 50 lbs/acre available phosphorus and 150 lbs/acre available potassium. Refer to Michigan State University Extension bulletin E-2567, 2000, "Tri-State Fertilizer Recommendations for Corn, Soybeans, Wheat & Alfalfa" for more d 2 Assumes weed control with 1 pint of 2,4-D.



**Oats** High Yield Goal

			Price per		Total per
Quantity	Unit		Unit		Acre
		•		•	
90	bu	\$	1.20	\$	108.00
				\$	108.00
80	lb	\$	0.25	\$	20.00
65	lb	\$	0.25	\$	16.25
24	lb	\$	0.18	\$	4.32
40	lb	\$	0.13		5.20
					7.50
0.75	pint	\$	1.65	\$	1.24
4	gal	\$	1.73	\$	6.90
				\$	15.00
					1.65
	bu	•			13.50
90	bu	\$	0.05	\$	4.50
				•	
		٢P	ENSES		96.06 11.94
Family and regular hired labor, hours					
					45.0
	90 80 65 24 40 0.75 4 90 90 90 <b>ASH EXPEI</b>	90 bu 80 lb 65 lb 24 lb 40 lb 0.75 pint 4 gal 90 bu 90 bu 90 bu	90 bu \$ 80 lb \$ 65 lb \$ 24 lb \$ 40 lb \$ 0.75 pint \$ 4 gal \$ 90 bu \$ 90 bu \$ 90 bu \$ State	Quantity         Unit         Unit           90         bu         \$         1.20           80         lb         \$         0.25           65         lb         \$         0.25           24         lb         \$         0.18           40         lb         \$         0.13           0.75         pint         \$         1.65           4         gal         \$         1.73           90         bu         \$         0.15           90         bu         \$         0.15           90         bu         \$         0.05	Quantity         Unit         Unit           90         bu         \$         1.20         \$           90         bu         \$         0.25         \$           80         lb         \$         0.25         \$           65         lb         \$         0.25         \$           24         lb         \$         0.18         \$           40         lb         \$         0.13         \$           0.75         pint         \$         1.65         \$           90         bu         \$         0.15         \$           90         bu         \$         0.05         \$

1 Assumes soil test indicating 50 lbs/acre available phosphorus and 150 lbs/acre available potassium. Refer to Michigan State University Extension bulletin E-2567, 2000, "Tri-State Fertilizer Recommendations for Corn, Soybeans, Wheat & Alfalfa" for more d

2 Assumes weed control with 1 pint of 2,4-D.

3 Includes a \$1.50 per gallon charge for diesel fuel and an additional 15% per gallon to cover cost of oil and lubrication materials.



**Oats** Mid-Level Yield Goal

OATS Here				Price per		Total per		
	Quantity	Unit		Unit		Acre		
REVENUE SOURCES Grain	65	bu	\$	1.20	\$	78.00		
TOTAL REVENUE					\$	78.00		
CASH EXPENSES								
Seed	65	lb	\$	0.25	\$	16.25		
Fertilizer <sup>1</sup>								
Nitrogen	40	lb	\$	0.25	\$	10.00		
Phosphate	12	lb	\$	0.18	\$	2.16		
Potash	30	lb	\$	0.13	\$	3.90		
Lime					\$	7.50		
Herbicides <sup>2</sup>	0.75	pint	\$	1.65	\$	1.24		
Fuel, oil, lube <sup>3</sup>	4	gal	\$	1.73	\$	6.90		
Equipment repairs					\$ \$	15.00		
Utilities, phone					\$	1.65		
Trucking	65	bu	\$	0.15	\$	9.75		
Marketing	65	bu	\$	0.05	\$	3.25		
TOTAL SELECTED CA	ASH EXPEN	ISES			\$	77.60		
REVENUE ABOVE SE			٢P	ENSES	\$	0.40		
Family and regular hire	d labor, hou	rs				3.0		
Corn grain equivalent, I	Corn grain equivalent, bu							

1 Assumes soil test indicating 50 lbs/acre available phosphorus and 150 lbs/acre available potassium. Refer to Michigan State University Extension bulletin E-2567, 2000, "Tri-State Fertilizer Recommendations for Corn, Soybeans, Wheat & Alfalfa" for more d

2 Assumes weed control with 1 pint of 2,4-D.



### Soybeans, Organic

Realistic Yield Goal ORGANIC Cultural Practices

·····				Price per		Total per
	Quantity	Unit		Unit		Acre
REVENUE SOURCES						
Soybeans, cert organic	27	bu		\$15.00	\$	405.00
Soybeans, com grade	3	bu		\$5.25	\$	15.75
TOTAL REVENUE					\$	420.75
CASH EXPENSES						
Seed	175,000	kernel	\$	15.00	\$	18.75
Fertilizer <sup>1</sup>						
Potassium sulfate	100	lb	\$	0.15	\$	15.00
Lime					\$	8.00
Fuel, oil, lube <sup>2</sup>	5	gal	\$	1.73	\$	8.63
Repairs					\$	18.00
Labor for weeding <sup>3</sup>	5	hr	\$	10.00	\$	50.00
Utilities					\$	1.50
Trucking	27	bu	\$	0.30	\$	8.10
Marketing	27	bu	\$	0.10	\$	2.70
TOTAL SELECTED CA		NSES			\$	130.68
REVENUE ABOVE SELECTED CASH EXPENSES						290.08
Family and regular hired labor, hours						3.2

1 Assumes soil test indicating 50 lbs/acre available phosphorus and 150 lbs/acre available potassium. Refer to Michigan State University Extension bulletin E-2567, 2000, "Tri-State Fertilizer Recommendations for Corn, Soybeans, Wheat & Alfalfa" for more detail.

2 Includes a \$1.50 per gallon charge for diesel fuel and an additional 15% per gallon to cover cost of oil and lubrication materials.

3 Weed control with rotary hoeing, row cultivation and labor hired for hand weeding.



## Oats, Organic

Realistic Yield Goal ORGANIC Cultural Practices

1 A ME ILIT						
				Price per		Total per
the proceeding where we'r	Quantity	Unit		Unit		Acre
REVENUE SOURCES						
Oats, cert organic	90	bu	¢	1.50	\$	135.00
Cais, cert organic	90	bu	ψ	1.50	Ψ	155.00
TOTAL REVENUE					\$	135.00
CASH EXPENSES						
Seed	65	lb	\$	0.25	\$	16.25
Fertilizer <sup>1</sup>						
Potassium sulfate	100	lb	\$	0.15	\$	15.00
Cover crop	12	lb	\$	1.25	\$	15.00
Lime					\$	8.00
Fuel, oil, lube <sup>2</sup>	4	gal	\$	1.73	\$	6.90
Repairs					\$	15.00
Utilities					\$	1.50
Trucking	90	bu	\$	0.30	\$	27.00
Marketing	90	bu	\$	0.10	\$	9.00
TOTAL SELECTED CA		ISES			\$	113.65
REVENUE ABOVE SE			XF	PENSES	\$	21.35
Family and regular hire	d labor, hou	irs				3.0
Corn grain equivalent, t						45
1 Assumes soil test indicating	50 lbs/acre ava	ilable ph	osp	phorus and 15	0 lbs	acre available

1 Assumes soil test indicating 50 lbs/acre available phosphorus and 150 lbs/acre available potassium. Refer to Michigan State University Extension bulletin E-2567, 2000, "Tri-State Fertilizer Recommendations for Corn, Soybeans, Wheat & Alfalfa" for more detail.

**Sugar Beets** 

1				Price per		Total per
1	Quantity	Unit		Unit		Acre
REVENUE SOURCES						
Sugar beets	19	ton	\$	34.00	\$	646.00
TOTAL REVENUE					\$	646.00
CASH EXPENSES						
Seed/Pelletizing					\$	35.00
Fertilizer						
Nitrogen	120	lb	\$	0.25	\$	30.00
Phosphate	90	lb	\$	0.18	\$	16.20
Potash	200	lb	\$	0.13	\$	26.00
Herbicides					\$	87.00
Fungicides <sup>1</sup>					\$	-
Fuel, oil, lube <sup>2</sup>	14	gal	\$	1.73	\$	24.15
Equipment repairs		-			\$	35.00
Custom harvesting					\$	25.00
Hoeing	2	hours	\$	10.00	\$	20.00
Utilities, phone					\$	2.00
Trucking	19	ton	\$	3.50	\$	66.50
TOTAL SELECTED CAS REVENUE ABOVE SEL		-	EN	SES	\$ \$	366.85 279.15
Family and regular hired	labor, hours					12.0

1 Depending upon the climatic year, this crop may benefit from applications of insect and disease control materials at an additional cost.

2 Includes a 1.50 per gallon charge for diesel fuel and an additional 15% per gallon to cover cost of oil and lubrication materials.

Beans, Navy

Price per Total per Quantity Unit Unit Acre **REVENUE SOURCES** 19 cwt \$ 16.00 \$ 304.00 Navy beans TOTAL REVENUE \$ 304.00 CASH EXPENSES Seed & treatment \$ 37.50 Fertilizer 12.50 Nitrogen 0.25 \$ 50 lb \$ Phosphate 60 lb \$ 0.18 \$ 10.80 0.13 \$ 15.60 Potash 120 lb \$ Herbicides \$ 26.50 Fungicides/Insecticides<sup>1</sup> \$ -Fuel, oil, lube<sup>2</sup> 8.5 1.73 \$ 14.66 gal \$ Equipment repairs \$ 20.00 10.00 \$ hours \$ 12.00 Hoeing 1.2 Utilities, phone \$ 2.00 0.25 \$ Trucking 4.75 cwt \$ 19 19 cwt \$ 0.15 \$ 2.85 Marketing TOTAL SELECTED CASH EXPENSES \$ 159.16 **REVENUE ABOVE SELECTED CASH EXPENSES** \$ 144.84 Family and regular hired labor, hours 7.0

1 Depending upon the climatic year, some varieties may benefit from applications of insect and disease control materials at an additional cost.

## Corn Silage (following legume)

Mid-Level Yield Goal Conventional Cultural Practices

V JAV KAG			Price per	Total per
, î. v	Quantity	Unit	Unit	Acre
REVENUE SOURC	<b>CES</b> 20	ton	\$ 24.00	\$ 480.00
TOTAL REVENUE				\$ 480.00
CASH EXPENSES				
Seed	26,000	kernel	\$ 90.00	\$ 29.25
Fertilizer <sup>1</sup>				
Nitrogen	105	lbs	\$ 0.20	\$ 21.00
$P_2O_5$	65	lbs	\$ 0.18	\$ 11.70
K <sub>2</sub> O	200	lbs	\$ 0.13	\$ 26.00
Lime				\$ 8.00
Herbicides <sup>2</sup>			\$ 1.73	\$ 29.25
Insecticides <sup>3</sup>				\$ -
NPN Additive	160	lbs	\$ 0.20	\$ 32.00
Fuel, oil, lube <sup>4</sup>	7.5	gal	\$ 1.73	\$ 12.94
Repairs		-		\$ 28.00
Utilities				\$ 5.50
Trucking	20	ton	\$ 1.50	\$ 30.00

# TOTAL SELECTED CASH EXPENSES233.64REVENUE ABOVE SELECTED CASH EXPENSES\$246.36

Family and regular hired labor, hours

#### 7.0

1 Assumes 35 lb N contribution from previous crop; and soil test indicating 50 lbs/acre available phosphorus and 150 lbs/acre available potassium. Refer to Michigan State University Extension bulletin E-2567, 2000, "Tri-State Fertilizer Recommendations for Corn, Soybeans, Wheat & Alfalfa" for more detail.

2 Assumes post-emergence application of 1 pt Buctril and 1 pt 4L atrazine; and pre-emergence grass control from 1.3 pt Dual II magnum.

3 Assumes no insecticide treatment required for rootworm because of crop rotation.

4 Includes a \$1.50 per gallon charge for diesel fuel and an additional 15% per gallon to cover cost of oil and lubrication materials.



## Corn Silage (following corn)

Mid-Level Yield Goal Conventional Cultural Practices

NAT.				Price per		Total per
- 11 4	Quantity	Unit		Unit		Acre
REVENUE SOURC						
Silage	18	bu	\$	24.00	\$	432.00
TOTAL REVENUE					\$	432.00
CASH EXPENSES						
Seed	26,000	kernel	\$	90.00	\$	29.25
Fertilizer <sup>1</sup>						
Nitrogen	120	lbs	\$	0.20	\$	24.00
$P_2O_5$	60	lbs	\$	0.18	\$	10.80
K <sub>2</sub> O	180	lbs	\$	0.13	\$	23.40
Lime					\$	8.00
Herbicides <sup>2</sup>					\$	29.25
Insecticides <sup>3</sup>	5	lbs	\$	2.50	\$	12.50
NPN Additive	144	lbs	\$	0.20	\$	28.80
Fuel, oil, lube <sup>4</sup>	7	gal	\$	1.73	\$	12.08
Repairs		0	·		\$	28.00
Utilities					\$	5.50
Trucking	18	te	с\$	1.50	\$	27.00
TOTAL SELECTED					¢	238 58

# TOTAL SELECTED CASH EXPENSES238.58REVENUE ABOVE SELECTED CASH EXPENSES\$193.43

#### Family and regular hired labor, hours

7.0

1 Assumes no N contribution from previous crop; and soil test indicating 50 lbs/acre available phosphorus and 150 lbs/acre available potassium. Refer to Michigan State University Extension bulletin E-2567, 2000, "Tri-State Fertilizer Recommendations for Corn, Soybeans, Wheat & Alfalfa" for more detail.

2 Assumes post-emergence application of 1 pt Buctril and 1 pt 4L atrazine; and preemergence grass control from 1.3 pt Dual II magnum.

3 Assumes treatment for corn rootworm with Counter insecticide.

Fou						
- Alexandree	Quantity	Unit		Price per Unit		Total per Acre
REVENUE SOURCES	S					
Alfalfa haylage	12	ton	\$	40	\$	480.00
TOTAL REVENUE					\$	480.00
CASH EXPENSES Fertilizer						
Phosphate	90	lb	\$	0.18	\$	16.20
Potash Insecticides Crop supplies, pack	300 s	lb	\$	0.13	\$ \$ \$	39.00 8.00 2.00
Fuel, oil, lube <sup>1</sup> Equipment repairs Utilities, phone	14	gal	\$	1.73	\$ \$ \$	24.15 35.90 1.50
Trucking	12	ton	\$	1.50	\$	18.00
TOTAL SELECTED CASH EXPENSES REVENUE ABOVE SELECTED CASH EXPENSES						144.75 335.25

REVENUE ABOVE SELECTED CASH EXPENSES \$	335.25
Family and regular hired labor, hours	6.0
Dry hay equivalent, tons <sup>2</sup>	6.8

1 Includes a \$1.50 per gallon charge for diesel fuel and an additional 15% per gallon to cover cost of oil and lubrication materials.

2 Assumes 88% moisture.

W 8.9 1	Haylage, <i>I</i> Three Cut Sys		a		
Sec.				Price per	Total per
-	Quantity	Unit		Unit	Acre
REVENUE SOUR	CES				
Alfalfa haylage	8	ton	\$	40	\$ 320.00
TOTAL REVENUE	E				\$ 320.00
CASH EXPENSES	5				
Phosphate	60	lb	\$	0.18	\$ 10.80
Potash	270	lb	\$	0.13	\$ 35.10
Insecticides					\$ 4.00
Crop supplies, pa	acks				\$ 2.00
Fuel, oil, lube <sup>1</sup>	10.5	gal	\$	1.73	\$ 18.11
Equipment repair	rs				\$ 35.90
Utilities, phone					\$ 1.50
Trucking	8	ton	\$	1.50	\$ 12.00

TOTAL SELECTED CASH EXPENSESSREVENUE ABOVE SELECTED CASH EXPENSESS	\$ \$	119.41 200.59
Family and regular hired labor, hours		5.0
Dry hay equivalent, tons <sup>2</sup>		4.5

1 Includes a \$1.50 per gallon charge for diesel fuel and an additional 15% per gallon to cover cost of oil and lubrication materials.

2 Assumes 88% moisture.

Four Cut System

1 000 I b Round Bales

365 Yeld	1,000 LD Rour	id Bale	S			
Ke				Price per		Total per
	Quantity	Unit		Unit		Acre
REVENUE SOUI	RCES					
Alfalfa hay	6	ton	\$	80.00	\$	480
TOTAL REVENU	JE				\$	480.00
CASH EXPENSE	ES					
Fertilizer						
Phosphate	80	lb	\$	0.18	\$	14.40
Potash	300	lb	\$	0.13	\$	39.00
Insecticides					\$	8.00
Twine, wrap	12	bales	\$	1.50	\$	18.00
Fuel, oil, lube <sup>1</sup>	8	gal	\$	1.73	\$	13.80
Equipment repa	airs	3	Ŧ		\$	33.70
Utilities, phone					\$	1.50
Transportation	6	ton	\$	3.00	\$	18.00
			Ŧ		*	
TOTAL SELECT REVENUE ABO	\$ \$	146.40 333.60				

Family and regular hired labor, hours27.0Dry hay equivalent, tons36.0

1 Includes a \$1.50 per gallon charge for diesel fuel and an additional 15% per gallon to cover cost of oil and lubrication materials.

2 Labor hours required are highly influenced by the chosen harvest system.

3 Assumes 88% moisture.



Hay, Alfalfa Three Cut System

1,000 Lb Round Bales

Ker	Quantity	Unit		Price per Unit		Total per Acre
REVENUE SOURCE	<b>S</b> 4	ton	\$	80.00	\$	320
TOTAL REVENUE					\$	320.00
CASH EXPENSES Fertilizer Phosphate Potash Insecticides Twine, wrap	50 240 8	lb lb bales	\$ \$ \$	0.18 0.13 1.50	\$ \$ \$ \$	9.00 31.20 4.00 12.00
Fuel, oil, lube <sup>1</sup> Equipment repairs Utilities, phone Transportation	6	gal ton	\$ \$	1.73 3.00	\$ \$ \$ \$	10.35 25.90 1.50 12.00

TOTAL SELECTED CASH EXPENSES REVENUE ABOVE SELECTED CASH EXPENSES	\$ \$	105.95 214.05
Family and regular hired labor, hours <sup>2</sup>		5.5
Dry hay equivalent, tons <sup>3</sup>		4.0

1 Includes a \$1.50 per gallon charge for diesel fuel and an additional 15% per gallon to cover cost of oil and lubrication materials.

2 Labor hours required are highly influenced by the chosen harvest system.3 Assumes 88% moisture.

This section The	<b>ay, Mixe</b> ree Cut Sys 100 Lb Rour	tem	s			
有到時	Quantity	Unit		Price per Unit		Total per Acre
REVENUE SOURCE	S					
Mixed hay	4	ton	\$	65.00	\$	260.00
TOTAL REVENUE					\$	260.00
CASH EXPENSES Fertilizer						
Phosphate	40	lb	\$	0.18	\$	7.20
Potash Insecticides	240	lb	\$	0.13	\$ \$	31.20
Twine, wrap	8	bales		\$1.50	э \$	8.00 12.00
Fuel, oil, lube <sup>1</sup>	8	gal		\$1.73	\$	13.80
Equipment repairs	U	gai		ψσ	\$	25.90
Building repairs					\$	2.20
Utilities, phone					\$	1.50
TOTAL SELECTED REVENUE ABOVE S				PENSES	\$ \$	101.80 158.20
Family and regular hi	red labor, h	ours <sup>2</sup>				5.5
Dry hay equivalent, to	ons <sup>3</sup>					4.0
1 Includes a \$1.50 per gallo cover cost of oil and lubricat 2 Labor hours required are l	tion materials.					

3 Assumes 88% moisture.

A state	Hay, Mixe Two Cut Syste 1,000 Lb Roun	m	s				
44 2000				Price per			
Aballer	Quantity	Unit		Unit			
REVENUE SOU	RCES 2	ton	\$	65.00	\$		
TOTAL REVENU	JE				\$		
CASH EXPENSE Fertilizer			•	0.40	¢		
Potash Insecticides	40	lb	\$	0.13	ֆ \$		

Potash	40	lb	\$ 0.13	\$ 5.20
Insecticides				\$ 4.00
Twine, wrap	4	bales	\$1.50	\$ 6.00
Fuel, oil, lube <sup>1</sup>	5	gal	\$1.73	\$ 8.63
Equipment repairs				\$ 18.30
Building repairs				\$ 2.20
Utilities, phone				\$ 1.50

Total per

130.00

130.00

Acre

TOTAL SELECTED CASH EXPENSES REVENUE ABOVE SELECTED CASH EXPENSES	\$ \$	45.83 84.18
Family and regular hired labor, hours <sup>2</sup>		3.7
Dry hay equivalent, tons <sup>3</sup>		2.0

1 Includes a \$1.50 per gallon charge for diesel fuel and an additional 15% per gallon to cover cost of oil and lubrication materials.

2 Labor hours required are highly influenced by the chosen harvest system.

3 Assumes 88% moisture.

# Alfalfa, Spring Seeded With Oats as Companion Crop

	Quantity	Unit		Price per Unit		Total per Acre
REVENUE SOURCE	S					
Hay	- 1	ton	\$	70.00	\$	70.00
Oatlage	2	ton	\$	17.00	\$	34.00
TOTAL REVENUE					\$	104.00
CASH EXPENSES						
Seed						
Alfalfa	15	lb	\$	3.50	\$	52.50
Oats	1	bu	\$	5.00	\$	5.00
Fertilizer						
Nitrogen	30	lb	\$	0.25	\$	7.50
Phosphate	40	lb	\$	0.18	\$	7.20
Potash	60	lb	\$	1.73	\$	103.50
Lime	2	ton	\$	20.00	\$	40.00
Insecticides					\$	9.00
Fuel, oil, lube <sup>1</sup>	5	gal		\$1.73	\$	8.63
Equipment repairs					\$	20.00
Utilities, phone					\$	0.50
TOTAL SELECTED			-	PENSES	\$ \$	253.83 (149.83)
Family and regular hi	red labor, he	ours				6.5
Dry hay equivalent, to	ons <sup>2</sup>					6.8

1 Includes a \$1.50 per gallon charge for diesel fuel and an additional 15% per gallon to cover cost of oil and lubrication materials.

2 Assumes 88% moisture.



Hay, Grass 1,000 Lb Round Bales

ALL DARKS						
A DESCRIPTION				Price per		Total per
111/4	Quantity	Unit		Unit		Acre
REVENUE SOURCE	:e					
Grass hay	.5	ton	¢	50.00	\$	150.00
Glass hay	5	ton	ψ	50.00	Ψ	150.00
TOTAL REVENUE					\$	150.00
CASH EXPENSES						
Fertilizer						
Nitrogen	65	lb	\$	0.25	\$	16.25
Phosphate	40	lb	\$	0.18	\$	7.20
Potash	85	lb	\$	0.13	\$	11.05
Lime	0.25	ton		\$20.00	\$	5.00
Insecticides					\$	3.75
Twine, wrap	6	bales		\$1.50	\$	9.00
Fuel, oil, lube <sup>1</sup>	7	gal		\$1.73	\$	12.08
Equipment repairs		Ũ			\$	8.00
Utilities, phone					\$	0.50

TOTAL SELECTED CASH EXPENSES REVENUE ABOVE SELECTED CASH EXPENSES	\$ \$	72.83 77.18
Family and regular hired labor, hours <sup>2</sup>		5.0
Dry hay equivalent, tons <sup>3</sup>		3.0

1 Includes a \$1.50 per gallon charge for diesel fuel and an additional 15% per gallon to cover cost of oil and lubrication materials.

2 Labor hours required are highly influenced by the chosen harvest system.

3 Assumes 88% moisture.



## Pasture

Improved Grass/Legume, Intensively Grazed

	_		Ρ	rice per		Total per
	Quantity	Unit		Unit		Acre
<b>REVENUE SOURCES</b>	5					
Grass/Legume <sup>1</sup>	3	ton	\$	65.00	\$	195.00
TOTAL REVENUE					\$	195.00
CASH EXPENSES						
Fertilizer						
Nitrogen	100	lb	\$	0.25	\$	25.00
Phosphate	30	lb	\$	0.18	\$	5.40
Potash	50	lb	\$	0.13	\$	6.50
Fuel, oil, lube <sup>2</sup>	2	gal		\$1.73	\$	3.45
Equipment repairs					\$ \$ \$	5.40
Fence repairs					\$	2.00
Water system repair	S				\$ \$	1.00
Utilities, phone					Φ	0.50
TOTAL SELECTED ( REVENUE ABOVE S	-			PENSES	\$ 5\$	49.25 145.75
Family and regular hir	ed labor, ho	ours				3.0
Dry hay equivalent, to	ns <sup>3</sup>					3.4

1 Tonnage harvested is 100% of what could be harvested mechanically.

2 Includes a \$1.50 per gallon charge for diesel fuel and an additional 15% per gallon to cover cost of oil and lubrication materials. Includes fuel for spreading fertilizer and for one clipping of pasture to control weeds.

3 Assumes 88% moisture.



## Pasture

Unimproved, Continuously Grazed

Lille Will	Quantity	Unit	Ρ	rice per Unit		Total per Acre
REVENUE SOURCES Grass/Legume	<b>S</b> 1.5	ton	\$	40.00	\$	60.00
TOTAL REVENUE					\$	60.00
<b>CASH EXPENSES</b> Fence repairs Water system repai Utilities, phone	rs				\$ \$ \$	1.50 0.50 0.50

TOTAL SELECTED CASH EXPENSES\$REVENUE ABOVE SELECTED CASH EXPENSES\$	2.50 57.50
Family and regular hired labor, hours	0.5
Dry hay equivalent, tons <sup>2</sup>	1.7

1 Tonnage harvested is 50% of what could be harvested mechanically. 2 Assumes 88% moisture. Revenue de la companya de la company

# Barley Silage 7 Ton

BARLEY				Price per		Total per
	Quantity	Unit		Unit		Acre
REVENUE SOURCES	<b>S</b> 7	ton	\$	17.00	\$	119.00
TOTAL REVENUE					\$	119.00
CASH EXPENSES						
Seed	120	lb	\$	0.13	\$	15.00
Fertilizer <sup>1</sup>						
Nitrogen	60	lb	\$	0.25	\$	15.00
Phosphate	60	lb	\$	0.18	\$	10.80
Potash	110	lb	\$	0.13	\$	14.30
Lime					\$	7.50
Herbicides <sup>2</sup>	1	pint	\$	1.65	\$	1.65
Fuel, oil, lube <sup>3</sup>	3	gal	\$	1.73	\$	5.18
Equipment repairs					\$	20.00
Utilities, phone					\$	1.65
Trucking	7	ton	\$	1.50	\$	10.50
TOTAL SELECTED CASH EXPENSES						101.58 17.43
Family and regular hi	ed labor, h	ours				3.0
Dry hay equivalent, to	ons <sup>4</sup>					4.0

1 Assumes soil test indicating 50 lbs/acre available phosphorus and 150 lbs/acre available potassium. Refer to Michigan State University Extension bulletin E-2567, 2000, "Tri-State Fertilizer Recommendations for Corn, Soybeans, Wheat & Alfalfa" for more detail.

2 Assumes weed control with 1 pint of 2,4-D.

3 Includes a \$1.50 per gallon charge for diesel fuel and an additional 15% per gallon to cover cost of oil and lubrication materials.

4 Assumes 88% moisture.



Oatlage 6.5 Ton

				Price per		Total per
OATS	Quantity	Unit		Unit		Acre
	<b>S</b> 6.5	ton	¢	17.00	\$	110.50
Silage	0.5	lon	φ	17.00	φ	110.50
TOTAL REVENUE					\$	110.50
CASH EXPENSES						
Seed	80	lb	\$	0.16	\$	12.50
Fertilizer <sup>1</sup>		lb				
Nitrogen	65	lb	\$	0.25	\$	16.25
Phosphate	24	lb	\$	0.18	\$	4.32
Potash	60	lb	\$	0.13	\$	7.80
Lime					\$	7.50
Herbicides <sup>2</sup>	1	pint	\$	1.65	\$	1.65
Fuel, oil, lube <sup>3</sup>	3	gal	\$	1.73	\$	5.18
Equipment repairs					\$	20.00
Utilities, phone					\$	1.65
Trucking	6.5	ton	\$	1.50	\$	9.75
TOTAL SELECTED ( REVENUE ABOVE S	\$ \$	86.60 23.91				
Family and regular hi	red labor, h	ours				3.0
Dry hay equivalent, to	ons <sup>4</sup>					3.7

1 Assumes soil test indicating 50 lbs/acre available phosphorus and 150 lbs/acre available potassium. Refer to Michigan State University Extension bulletin E-2567, 2000, "Tri-State Fertilizer Recommendations for Corn, Soybeans, Wheat & Alfalfa" for more detail.

2 Assumes weed control with 1 pint of 2,4-D.

3 Includes a \$1.50 per gallon charge for diesel fuel and an additional 15% per gallon to cover cost of oil and lubrication materials.

4 Assumes 88% moisture.

Apples, Fresh Market Central Leader System

Planting Vear

	Planting Year			
	Quantity	Unit	Price per Unit	Total per Acre
	CES			
TOTAL REVENUE	E			\$ -
CASH EXPENSES	5			
Trees	182	trees	\$ 6.00	\$ 1,092
Custom plant	182	trees	\$ 0.30	\$ 55
Training material	S			\$ 10
Fertilizer <sup>1</sup>				\$ 12
Herbicides <sup>2</sup>				\$ 14
Pesticides <sup>3</sup>				\$ 30
Rodenticides				\$ 6
Mouse guards	182	guards	\$ 0.25	\$ 45
Wildlife control <sup>4</sup>	182	trees	\$ 0.05	\$ 9
Fuel				\$ 30
Repairs				\$ 15
Utilities				\$ 5
TOTAL SELECTE	D CASH EXPE	INSES		\$ 1,322
Family and regular	hired labor, h	ours⁵		19.6

1 Includes urea for trees and \$11 for sod fertilizer.

2 Includes Gramoxone (twice), Surlfan and 2,4-D.

3 Includes Nova (twice), Provado (twice) and Lorsban 50W.

4 Includes ribbons, soap, etc.

5 Includes Plowing - 0.5 hr, Disking - 0.3 hr, Stone & Root Picking - 3 hr, Layout & Marking - 1 hr, Watering - 2 hr, Training - 3 hr, Spraying Herbicide - 0.8 hr, Airblast Spraying - 0.2 hr, Fertilizer Spreading - 0.3 hr, Sod Establishment - 0.9 hr, Spreading bait and Applying Mouse Guards - 5.3 hr, Wildlife Control - 0.3 hr, Management - 2 hr.

See Michigan State University Department of Agricultural Economics Staff Paper 99-43, "Cost of Producing Fresh Market Apples in Western Michigan, 1998" for more detail.

Available at http://agecon.lib.umn.edu/msu.html



## **Apples, Fresh Market**

Central Leader System Full Bearing (8th Year of Stand Life)

	Quantity	Unit		Price per Unit		Total per Acre
REVENUE SOURCES			<b>•</b>		<b>^</b>	0.000
Apples	33,600	lb	\$	0.08	\$	2,688
TOTAL REVENUE					\$	2,688
CASH EXPENSES						
Trees	1.8	trees	\$	6.00	\$	11
Fertilizer <sup>1</sup>					\$	50
Foliar fertilizers <sup>2</sup>					\$	31
Herbicide <sup>3</sup>					\$	17
Pesticides <sup>4</sup>					\$	600
Rodenticide					\$	6
Wildlife control <sup>5</sup>	182	trees	\$	0.05	\$	9
Scouting					\$	15
Bees					\$	35
Fuel					\$	50
Repairs					\$	23
Utilities					\$	10
TOTAL SELECTED CA	\$	858				
Family and regular hire		urs <sup>6</sup>				40.5

1 Includes urea, potash and lime.

2 Includes Boron (once), 20-20-20 (four times) and CorClear (four times).

3 Includes Round-up, Princep, Karmex, 2,4-D, and Gramoxone.

4 Too numerous to list. See reference below.

5 Includes ribbons, soap, etc.

6 Includes Pruning - 30.3 hr, Brush Removal - 3 hr, Tree Replacement - 0.5 hr, Spraying Herbicide - 0.8 hr, Airblast Spraying - 1.8 hr, Mowing - 1.5 hr, Mouse Control -0.3 hr, Wildlife Control - 2 hr, Fertilizer Spreading - 0.3 hr.

See Michigan State University Department of Agricultural Economics Staff Paper 99-43, "Cost of Producing Fresh Market Apples in Western Michigan, 1998" for more detail.

Available at http://agecon.lib.umn.edu/msu.html

Apples, Fresh Market Vertical Axe System

$\smile$	Quantity	Unit		Price per Unit		Total per Acre
REVENUE SOURCES						
TOTAL REVENUE					\$	-
CASH EXPENSES						
Trees	519	trees	\$	6.00	\$	3,111
Custom plant	519	trees	\$	0.30	\$	156
Trellis					\$	1,248
Fertilizer <sup>1</sup>					\$	13
Herbicides <sup>2</sup>					\$	20
Pesticides <sup>3</sup>					\$	22
Rodenticides					\$	6
Wildlife control <sup>4</sup>	519	trees	\$	0.04	\$	21
Trickle irrigation			Ŧ			933
Training materials					\$ \$ \$	20
Fuel					\$	18
Repairs					\$	33
Utilities					\$	5
TOTAL SELECTED CASH EXPENSES \$						
Family and regular hired labor, hours <sup>5</sup>						

1 Includes urea for trees and \$11 for sod fertilizer.

2 Includes Gramoxone (twice), Surlfan and 2,4-D.

3 Includes Nova (twice), Provado (twice) and Lorsban 50W.

4 Includes ribbons, soap, etc.

5 Includes Plowing - 0.5 hr, Disking - 0.3 hr, Stone & Root Picking - 3 hr, Layout & Marking - 1 hr, Trellis - 40 hr, Trickle Irrigation - 8 hr, Training - 15 hr, Spraying Herbicide - 1.1 hr, Airblast Spraying - 0.4 hr, Fertilizer Spreading - 0.4 hr, Sod Establishment - 0.9 hr, Spreading Mouse Bait - 0.4 hr, Wildlife Control - 0.3 hr, Management - 2 hr.

See Michigan State University Department of Agricultural Economics Staff Paper 99-43, "Cost of Producing Fresh Market Apples in Western Michigan, 1998" for more detail.

Available at http://agecon.lib.umn.edu/msu.html



Apples, Fresh Market Vertical Axe System

Full Bearing (6th Year of Stand Life)

$\smile$	Quantity	Unit	Price per Unit	Total per Acre
REVENUE SOURCES				
Apples	33,600	lb	\$ 0.08	\$ 2,688
TOTAL REVENUE				\$ 2,688
CASH EXPENSES				
Trees	5.2	trees	\$ 6.00	\$ 31
Training materials				\$ 3
Fertilizer <sup>1</sup>				\$ 52
Foliar fertilizers <sup>2</sup>				\$ 24
Herbicide <sup>3</sup>				\$ 18
Pesticides <sup>4</sup>				\$ 450
Rodenticide				\$ 6
Wildlife control <sup>5</sup>	519	trees	\$ 0.04	\$ 21
Scouting				\$ 15
Bees				\$ 35
Fuel				\$ 81
Repairs				\$ 22
Utilities				\$ 10
TOTAL SELECTED CA	\$ 768			
Family and regular hire		ours <sup>6</sup>		48.1
<ol> <li>Includes urea instach and li</li> </ol>	imo			

1 Includes urea, potash and lime.

2 Includes Boron (once), 20-20-20 (four times) and CorClear (four times).

3 Includes Round-up, Princep, Karmex, 2,4-D, and Gramoxone.

4 Too numerous to list. See reference below

5 Includes ribbons, soap, etc.

6 Includes Training - 2 hr, Pruning - 34.6 hr, Brush Removal - 2 hr, Tree Replacement - 0.5 hr, Spraying Herbicide - 1.1 hr, Airblast Spraying - 2.5 hr, Mowing - 2.1 hr, Mouse Control - 0.4, Wildlife Control - 2 hr, Fertilizer Spreading - 0.4 hr, Trickle Irrigation - 0.5 hr.

See Michigan State University Department of Agricultural Economics Staff Paper 99-43, "Cost of Producing Fresh Market Apples in Western Michigan, 1998" for more detail.

Available at http://agecon.lib.umn.edu/msu.html

Ň	
R	32

**Blueberries, Fresh Market** 

Planting Year

Plant	ting Year			
	Quantity	Unit	Price per Unit	Total per Acre
REVENUE SOURCES				
TOTAL REVENUE				\$ -
CASH EXPENSES				
Rye cover crop				\$ 7
Bushes	1210 t	oushes	\$ 2.50	\$ 3,025
Herbicides <sup>1</sup>				\$ 229
Irrigation operation				\$ 25
Fuel				\$ 16
Repairs				\$ 8
Utilities				\$ 5

TOTAL SELECTED CASH EXPENSES	\$	3,315
------------------------------	----	-------

 Family and regular hired labor, hours<sup>2</sup>
 24.4

 1 Includes 2 - 1 gal applications of Paraquat, 1 - 1.5 gal application of Surflan and spot spraying of perennials with RoundUp.

2 Includes Planting - 6 hr, Deflowering - 4 hr, Weed spraying - 1.38 hr, Planting cover crop - 0.3 hr, Hand hoeing - 10 hr, Tilling - 0.7 hr, Spot spraying perennials - 1 hr, Management - 1 hr.

See Michigan State University Extension Bulletins E-0154 "2001 Fruit Spraying Calendar," E-1456 "Blueberry Varieties for Michigan" and E-2011 "Managing the Nutrition of Highbush Blueberries" for more detail.



## **Blueberries, Fresh Market**

Full Bearing (Year 6 of production)

Full Bearing (Year 6 of production)								
~ <b>~</b>	Quantity	Unit	I	Price per Unit		Total per Acre		
REVENUE SOURCES Blueberries	2,700	lb	\$	0.75	\$	2,025		
TOTAL REVENUE					\$	2,025		
CASH EXPENSES								
Plant replacement Fertilizer	5 b	oushes	\$	2.50	\$	13		
Nitrogen	75	lb		\$0.25	\$	19		
Lime	50	lb	\$	0.01	\$	1		
Herbicides <sup>1</sup>					\$	21		
Insecticides <sup>2</sup>					\$	45		
Fungicides <sup>3</sup>					\$	269		
Bird control					\$ \$ \$ \$ \$ \$	15		
Fuel					\$	41		
Repairs					\$	18		
Plant inspection					\$	11		
Pest management/cor	nsulting				\$	25		
Utilities					\$	5		
TOTAL SELECTED CA	SH EXPEN	SES			\$	482		
Family and regular hired	d labor, hou	rs <sup>4</sup>				22.8		
1 Includes 1 - 2 pt application of application of Sinbar, and spot 2 Includes 2 applications of Gu 3 Includes 1 application of Inda Alliete. 4 Includes Brush removal - 1 h 0.7 hr, Tilling - 0.7 hr, Insect au	of Paraquat, 1 spraying of pe uthion, 1 applic ar, 2 of Bravo, nr, Fertilizing - nd Disease an	- 2 lb ap erennials ation of 1 of Cap 0.7 hr, V d Wildlif	with Imid otec, Veec e co	n RoundUp an and 1 of 1 of Benela d control - 1 ntrol - 3.95	f Mala ate, a .79 h	1 - 0.5 lb athion. Ind 2 of Ir, Mowing -		
replacement - 2 hr, Irrigation re					04 5-	uit Currenia a		

See Michigan State University Extension Bulletins E-0154 "2001 Fruit Spraying Calendar," E-1456 "Blueberry Varieties for Michigan" and E-2011 "Managing the Nutrition of Highbush Blueberries" for more detail.



Cherries, Tart Processing Fruit

Planting Year

Price per **Total per** Quantity Unit Unit Acre **REVENUE SOURCES TOTAL REVENUE** \$ CASH EXPENSES Trees 125 7.50 \$ 938 trees \$ Fertilizer 227 \$ Chemicals<sup>1</sup> \$ 265 Tree guards 125 guards \$ 0.35 \$ 44 Sod cover seed \$ 63 Straw supplies \$ 94 Custom hire - site prep \$ 450

TOTAL SELECTED CASH EXPENSES	\$ 2,080
Family and regular hired labor, hours <sup>2</sup>	30.0

1 Includes nematode, miticide, mouse bait, deer spray, and weed control.

2 Includes Mulching - 6 hr, Roots & rock pick-up - 8 hr, Tillage - 4 hr, Marking orchard - 5 hr, Planting trees - 2 hr, Deer control - 2 hr, Fertilizer and chemical application and cover seeding - 3 hr.

See Michigan State University Extension Bulletins E-1108, January 1997, "Cost of Producing Tart Cherries in Northwestern Michigan" and E-852, 1996, "Fertilizing Fruit Crops" or the "New Jersey Commercial Tree Fruit Production

Guide 2001" available at

http://www.rce.rutgers.edu/pubs/treefruitguide/index.html or by calling 732-932-9762 for more detail.



Cherries, Tart Processing Fruit Nonbearing Year

	Nonbeamig rea	ai		
\$ <b>0</b>			Price per	Total per
	Quantity	Unit	Unit	Acre

#### **REVENUE SOURCES**

TOTAL REVENUE				\$	-
CASH EXPENSES Replacement trees Fertilizer Chemicals	125	trees	\$ 0.38	\$ \$	15 48
Insect control Disease control Weed control Deer control Mouse control Growth regulator	125	trees	\$ 0.45	\$ \$ \$ \$ \$ \$	7 40 18 56 8 22

TOTAL SELECTED CASH EXPENSES	\$	214
Family and regular hired labor, hours <sup>1</sup>		10.0
1 Includes Pruning - 3 hr, Replanting, fertilizer and chemica	al application - 4	hr, Deer
control - 2 hr, Mowing - 1 hr.		

See Michigan State University Extension Bulletins E-1108, January 1997, "Cost of Producing Tart Cherries in Northwestern Michigan" and E-852, 1996, "Fertilizing Fruit Crops" or the "New Jersey Commercial Tree Fruit Production Guide 2001" available at http://www.rce.rutgers.edu/pubs/treefruitguide/index.html or by calling 732-932-

9762 for more detail.

**Cherries**, Tart

**Processing Fruit** Full Bearing

	Bearing					
	Quantity	Unit	Ρ	rice per Unit		Total per Acre
REVENUE SOURCES						
Processing cherries	7,500	lb	\$	0.23	\$	1,725
TOTAL REVENUE					\$	1,725
CASH EXPENSES						
Fertilizer					\$	42
Lime					\$	21
Weed control					\$	19
Spray program					\$	171
Borer spray					\$	8
Foliar nutrients					\$ \$	16
GA					\$	15
Ethryl					\$	5
Bee rental					\$	15
Harvest costs <sup>1</sup>					\$	47
Fuel, repair, utilities					\$	107
Scouting/consulting					\$	25
Trucking	7,500	lb	\$	0.01	\$	75
Marketing	7,500	lb	\$	0.05	\$	375
TOTAL SELECTED CASH EXPENSES \$						
Family and regular hire	24.5					
1 Includes fuel, repairs, pad o	peration and ut	ilities.				

2 Includes Pruning/Brush Removal - 11 hrs, Fertilizer Spreading - 0.3 hr, Spaying - 2.5 hr, Mowing - 1 hr and Repairs and Supervision - 9.75 hr.

See Michigan State University Extension Bulletins E-1108, January 1997, "Cost of Producing Tart Cherries in Northwestern Michigan" and E-852, 1996, "Fertilizing Fruit Crops" or the "New Jersey Commercial Tree Fruit Production Guide 2001" available at http://www.rce.rutgers.edu/pubs/treefruitguide/index.html or by calling 732-932-

9762 for more detail.



**Cherries**, Sweet

Processing, Machine Harvested Planting Year

		Price per	Total per
Quantity	Unit	Unit	Acre

#### **REVENUE SOURCES**

TOTAL REVENUE				\$ -
CASH EXPENSES				
Trees	105	trees	\$ 7.50	\$ 788
Fertilizer				\$ 227
Chemicals <sup>1</sup>				\$ 251
Tree guards	105	guards	\$ 0.35	\$ 37
Sod cover seed				\$ 63
Straw dupplies				\$ 79
Custom hire - site prep				\$ 450

TOTAL SELECTED CASH EXPENSES \$	1,894
Family and regular hired labor, hours <sup>2</sup>	30.0
1 Includes nematode miticide mouse bait deer spray and weed control	

2 Includes Mulching - 6 hr, Roots & rock pick-up - 8 hr, Tillage - 4 hr, Marking orchard - 5 hr, Planting trees - 2 hr, Deer control - 2 hr, Fertilizer and chemial application and cover seeding - 3 hr.

See Michigan State University Extension Bulletin E-852, 1996, "Fertilizing Fruit Crops" or the "New Jersey Commercial Tree Fruit Production Guide 2001" available at http://www.rce.rutgers.edu/pubs/treefruitguide/index.html or by calling 732-932-9762 for more detail.

	Cheri Process Nonbea	ing, Ma	chine		vested		
	Qu	antity	Unit	Ρ	rice per Unit		Total per Acre
REVENUE SOUR	RCES						
TOTAL REVENU	E					\$	-
CASH EXPENSE Replacement tr Fertilizer	-	105	trees	\$	0.38	\$ \$	23 40
Chemicals Insect control Disease control Weed control		405	<b>t</b> ua a a	¢	0.45	\$ \$ \$ \$ \$ \$ \$	7 40 18
Deer control Mouse control		105	trees	\$	0.45	ֆ \$	47 8
TOTAL SELECT	ED CASH	I EXPE	NSES			\$	183

1 Includes Pruning - 3 hr, Replanting, fertilizer and chemical application - 4 hr, Deer

See Michigan State University Extension Bulletin E-852, 1996, "Fertilizing Fruit

Crops" or the "New Jersey Commercial Tree Fruit Production Guide 2001"

available at http://www.rce.rutgers.edu/pubs/treefruitguide/index.html or by

calling 732-932-9762 for more detail.

Family and regular hired labor, hours<sup>1</sup>

control - 2 hr, Mowing - 1 hr, Painting trunks, misc - 1 hr.

TOTAL REVENUE				\$ 1,625
CASH EXPENSES				
Fertilizer				\$ 42
Lime				\$ 27
Weed control				\$ 19
Spray program				\$ 245
Borer spray				\$ 8
Scouting/consulting				\$ 25
Ethryl				\$ 13
Bee rental				\$ 68
Custom harvest				\$ 229
Trucking	6,500	lb	\$ 0.01	\$ 65
Marketing	6,500	lb	\$ 0.07	\$ 423
TOTAL SELECTED CASH	EXPENS	SES		\$ 1,164
Family and regular hired la	bor, hour	s <sup>1</sup>		20.2

**Cherries**, Sweet

Full Bearing

**REVENUE SOURCES** 

Processing cherries

Processing, Machine Harvested

Quantity Unit

6,500

Price per

lb \$

Unit

0.25 \$

**Total per** 

Acre

1,625

1 Includes Pruning/Brush Removal - 11 hrs, Fertilizer Spreading - 0.5 hr, Spraying - 2.7 hr, Mowing - 1 hr and Repairs and Supervision - 5 hr.

See Michigan State University Extension Bulletin E-852, 1996, "Fertilizing Fruit Crops" or the "New Jersey Commercial Tree Fruit Production Guide 2001" available at http://www.rce.rutgers.edu/pubs/treefruitguide/index.html or by calling 732-932-9762 for more detail.

11.0



## Peppers, Bell

Fresh Market Non-irrigated

Price per Total p									
	Quantity	Unit	٣	Unit		Total per Acre			
REVENUE SOURCES	suantity	Unit		Unit		Aue			
Peppers	600	30 lb	\$	8.00	\$	4,800			
TOTAL REVENUE					\$	4,800			
CASH EXPENSES									
Plants	12	1000	\$	40.00	\$	480			
Fertilizer									
Nitrogen	140	lb	\$	0.25	\$	35			
Phosphate	60	lb	\$	0.18	\$	11			
Potash	180	lb	\$	0.13	\$	23			
Lime	0.5	ton	\$	20.00	\$	10			
Boxes	600	boxes	\$	1.40	\$	840			
Herbicides <sup>1,2</sup>					\$	36			
Insecticides <sup>1,3</sup>					\$	132			
Fungicides <sup>1,4</sup>					\$	28			
Gas, fuel, oil					\$ \$	126			
Equipment repairs					\$	145			
Building repairs					\$	26			
Custom hire (spraying	)				\$	24			
Seasonal labor <sup>5</sup>	32	hr	\$	5.50	\$	176			
Utilities, phone	-		Ŧ		\$	12			
Trucking					\$ \$	96			
Marketing					\$	24			
TOTAL SELECTED CA	SH EXPE	INSES			\$	2,224			
Family and regular hired						15.0			
1 Refer to Michigan State Unive									
and Nematode Control for Com http://www.msue.msu.edu/pest	-	eladies" t	or m	ore detall.	Avall	able at			
2 Generally in 1 application.									
3 Generally in 2 applications.									

4 Generally in 5-6 applications.

5 Includes hoeing and harvesting labor.



### Peppers, Bell Fresh Market

Plastic over Beds, Staked and Tied, Drip Irrigated

		,	P	rice per	,	Total per
	Quantity	Unit		Unit		Acre
<b>REVENUE SOURCES</b>						
Peppers	1200	30 lb	\$	8.00	\$	9,600
TOTAL REVENUE					\$	9,600
CASH EXPENSES						
Plants	12	1000	\$	87.00	\$	1,044
Fertilizer						
Nitrogen <sup>1</sup>	50	lb	\$	0.25	\$	13
Phosphate <sup>1</sup>	65	lb	\$	0.18	\$	12
Potash <sup>1</sup>	100	lb	\$	0.13	\$	13
Lime <sup>1</sup>	0.5	ton	\$	20.00	\$	10
4-0-8 liquid <sup>2</sup>	350	gal	\$	1.20	\$	420
Boxes	1200	boxes	\$	1.40	\$	1,680
Plastic & drip tape					\$	350
Stakes	5600	stake	\$	0.08	\$	448
String for ties	55	100ft	\$	1.00	\$	55
Herbicides <sup>3,4</sup>					\$	36
Insecticides <sup>3,5</sup>					\$	132
Fungicides <sup>3,6</sup>					\$	28
Gas, fuel, oil <sup>7</sup>					\$	105
Equipment repairs					\$	230
Building repairs					\$	26
Custom hire (spraying	g)				\$	24
Seasonal labor	67	hr	\$	5.50	\$	369
Trucking					\$	124
Marketing					\$	28
TOTAL SELECTED CA	ASH EXPE	INSES			\$	5,146
Family and regular hire	d labor, ho	ours <sup>8</sup>				18.0

1 Applied before planting.

2 Applied after planting.

3 Refer to Michigan State University Extension bulletin E-312, "2001 Insect, Disease and Nematode Control for Commercial Vegetables" for more detail. Available at http://www.msue.msu.edu/pestpubs/E312/

4 Generally in 1 application.

5 Generally in 2 applications.

6 Generally in 5-6 applications.

7 Includes irrigation fuel.

8 Includes hoeing, staking & tying, stake and tie removal and harvesting labor.

To From Not

5 Includes hoeing and harvesting labor.

#### Tomatoes Fresh Market

Non-irrigated

alense we	Ingaleu		F	Price per	Total per
	Quantity	Unit	-	Unit	Acre
<b>REVENUE SOURCES</b>					
Tomato	1000	20 lb	\$	10.00	\$ 10,000
TOTAL REVENUE					\$ 10,000
CASH EXPENSES					
Plants	8	1000	\$	28.00	\$ 224
Fertilizer					
Nitrogen	90	lb	\$	0.25	\$ 23
Phosphate	75	lb	\$	0.18	\$ 14
Potash	250	lb	\$	0.13	\$ 33
Lime	0.4	ton	\$	20.00	\$ 8
Boxes	1000	boxes	\$	1.20	\$ 1,200
Herbicides <sup>1,2</sup>					\$ 30
Insecticides <sup>1,3</sup>					\$ 80
Fungicides <sup>1,4</sup>					\$ 220
Gas, fuel, oil					\$ 45
Equipment repairs					\$ 52
Building repairs					\$ 33
Custom hire (spraying	1)				\$ 27
Seasonal labor <sup>5</sup>	720	hr	\$	5.50	\$ 3,960
Utilities, phone			·		\$ <sup></sup> 35
Trucking					\$ 185
Marketing					\$ 140
TOTAL SELECTED CA	SH EXPE	NSES			\$ 6,308
Family and regular hire					 25.0
<ol> <li>Refer to Michigan State Univ and Nematode Control for Cor http://www.msue.msu.edu/pes</li> <li>Generally in 2 applications.</li> <li>Generally in 1 application.</li> <li>Generally in 7-8 applications</li> </ol>	versity Extens nmercial Vege stpubs/E312/	ion bullet			

Fres	<b>matoes</b> h Market tic over Bed	ds, Stał			I, Dri	
and a	<b>.</b> . <b>.</b> .		F	Price per		Total per
	Quantity	Unit		Unit		Acre
REVENUE SOURCES Tomato	1500	20 lb	\$	10.00	\$	15,000
	1500	2010	Ψ	10.00	-	
TOTAL REVENUE					\$	15,000
CASH EXPENSES						
Plants	5.5	1000	\$	56.00	\$	308
Fertilizer						
Nitrogen <sup>1</sup>	50	lb	\$	0.25	\$	13
Phosphate <sup>1</sup>	75	lb	\$	0.18	\$	14
Potash <sup>1</sup>	100	lb	\$	0.13	\$	13
Lime <sup>1</sup>	0.4	ton	\$	20.00	\$	8
4-0-8 liquid <sup>2</sup>	240	gal	\$	1.20	\$	288
Boxes	1500	boxes	\$	1.00	\$	1,500
Plastic & drip tape	5500	ft	\$	0.04	\$	220
Stakes	2800	stake	\$	0.16	\$	448
String for ties	55	100	\$	2.40	\$	132
Herbicides <sup>3,4</sup>					\$	30
Insecticides <sup>3,5</sup>					\$	80
Fungicides <sup>3,6</sup>					\$	220
Gas, fuel, oil					\$	45
Equipment repairs					\$	52
Building repairs					\$	33
Custom hire (spraying	g)				\$	27
Seasonal Labor <sup>7</sup>	738	hr	\$	5.50	\$	4,059
Utilities, phone					\$	35
Trucking					\$	200
Marketing	_				\$	240

#### Family and regular hired labor, hours

TOTAL SELECTED CASH EXPENSES

1 Applied before planting.

2 Applied after planting.

3 Refer to Michigan State University Extension bulletin E-312, "2001 Insect, Disease and Nematode Control for Commercial Vegetables" for more detail. Available at http://www.msue.msu.edu/pestpubs/E312/

\$

**7,964** 25.0

4 Generally in 2 applications.

5 Generally in 1 application

6 Generally in 7-8 applications.

7 Includes hoeing, staking & tying, stake and tie removal and harvesting labor.

Pumpkins

ſ

Jack-o-l	Lantern
----------	---------

						Total per	
	Pric.						
	Quantity	Unit		Unit		Acre	
<b>REVENUE SOURCES</b>							
Pumpkins	16	ton	\$	120.00	\$	1,920	
TOTAL REVENUE					\$	1,920	
CASH EXPENSES							
Seed Fertilizer	4	lb	\$	32.00	\$	128	
Nitrogen	100	lb	\$	0.25	\$	25	
Phosphate	50	lb	\$	0.18	\$	9	
Potash	100	lb	\$	0.13	\$	13	
Lime	0.5	ton	\$	20.00	\$	10	
Herbicides <sup>1,2</sup>					\$	40	
Insecticides <sup>1,3</sup>					\$	60	
Fungicides <sup>1,4</sup>					\$ \$ \$	180	
Gas, fuel, oil					\$	32	
Equipment repairs					\$	85	
Custom hire (spraying)	6	арр	\$	9.00	\$	54	
Seasonal labor <sup>5</sup>	70	hr	\$	5.50	\$	385	
Utilities, phone					\$ \$	6	
Trucking					\$	300	
Marketing					\$	45	
TOTAL SELECTED CAS	H EXPENSI	ES			\$	1,372	
Family and regular hired la	abor, hours					30.0	
1 Refer to Michigan State Univers Nematode Control for Commercia http://www.msue.msu.edu/pestpu 2 Generally in 1 application.	ity Extension bu I Vegetables" fo						
3 Generally in 2 applications.							
4 Generally in 4-5 applications.							
5 Includes harvesting labor.							



Pasture (AUM)<sup>1</sup>

days.

## Beef Cow-Calf

April Calves Sold as Feeder Cattle

April Calves Sold as Feeder Cattle							
			Pr	ice per	Т	otal per	
	Quantity	Unit		Unit	Cov	/ & Calf	
REVENUE SOURCES							
Steer sales	215	lb	\$	0.87	\$	187	
0.43 Steers weaned @ Heifer sales	500		¢	0.85	¢	175	
0.43 Heifers weaned @	206 480	lb	\$	0.65	\$	175	
Cull cows	200	lb	\$	0.35	\$	70	
20% rate 100			Ψ	0.00	Ψ	10	
TOTAL REVENUE					\$	432	
CASH EXPENSES							
Purchased Feed							
Forage & concentrate					\$	18	
Minerals, vitamins					\$	5	
Supplements					\$ \$	13	
Breeding					\$	3	
Vet & medicine					\$ ¢	15 5	
Livestock supplies Fuel & oil					\$ \$	5 6	
Equipment & building repairs					φ \$	6	
Utilities					\$	4	
Hauling & trucking					\$	3	
Marketing					\$	2	
Replacement cow	0.20	hd	\$	900	\$	180	
TOTAL SELECTED CASH EXPENS	SES				\$	260	
Family and regular hired labor, hours					-	8.0	
Corn grain equivalent, bu (as fed)	-					3.0	
Dry hay equivalent, tons (as fed)						2.0	
Corn silage, tons (as fed)						0.0	
						0.0	

1 Assumes cow weight of 1200 lb and average calf weight of 300 lb with both on pasture for 165



## **Stocker Calf - Colored**

Fall Purchase, Feed:Gain - 10 lb, Winter Drylot Gain - 1.5 lb/day, Summer Grazing - 2 lb/day

			P	rice per	Total per	
	Quantity	Unit		Unit		Stee
REVENUE SOURCES					•	
Steer sales	883	lb	\$	0.78	\$	684
TOTAL REVENUE					\$	684
CASH EXPENSES					-	
Steer purchase	400	lb	\$	0.93	\$	372
3% Death loss	12	lb	\$	0.93	\$	11
Feed - Winter Drylot						
Minerals, vitamins	182	days	\$	0.04	\$	7
Feed - Spring/Summer Grazing Minerals, ionophores	123	days	\$	0.07	\$	8
Vet & medicine	123	uays	φ	0.07	φ \$	14
Implants					\$	2
Parasite control					\$	5
Equipment & building repairs <sup>1</sup>					\$	10
Marketing						
Sales commissions					\$	8
Transportation					\$	5
Beef check-off					\$	1
Interest						
Cattle <sup>2</sup>	9.0%				\$	29
TOTAL SELECTED CASH EXPENS					\$	472
Family and regular hired labor, hours	3					4.1
Corn grain equivalent, bu (as fed)						12.2
Dry hay equivalent, tons (as fed)						1.2
Corn silage, tons (as fed)						0.0
Pasture (AUM) <sup>4</sup>						3.0
1 Yardage costs are generally charged at \$0.29 per h building repair, labor, fuel and bedding costs as well a	as a manure c	redit.				
2 Assumes interest is charged on purchase price plus on feed.	s death loss co	ost for th	ne fra	action of th	e yea	Ir the steer is
3 Uses time per animal per day (about 1 minute) from fewer economies of scale in stocker operations and a Assumes 0.5 hour per steer for the summer.	-					

31

8.3



## Yearling Feeder Steer - Colored

70% Grade Choice, Feed:Gain - 7 lb, Ave Daily Gain - 3 lb

See Footnote 2 for adjustment factors for heavier placements and heifers.

				Price	Total per
	Quantity	Unit	pe	er Unit	Steer
REVENUE SOURCES					
Steer sales <sup>1</sup>	1275	lb	\$	0.76	\$ 969
TOTAL REVENUE					\$ 969
CASH EXPENSES					
Steer purchase <sup>2</sup>	725	lb	\$	0.83	\$ 602
1% Death loss <sup>3</sup>	7.25	lb	\$	0.83	\$ 6
Purchased Feed					
Soybean meal 48% (as fed)	194	days	\$	0.09	\$ 17
Urea	194	days			\$ 2
Minerals, vitamins	194	days	\$	0.04	\$ 8
lonophore	194	days	\$	0.02	\$ 4
Vet & medicine					\$ 8
Implants	194	days		\$0.04	\$ 8
Equipment & building repairs	s <sup>4</sup>				\$ 11
Marketing					
Sales commissions					\$ 8
Transportation					\$ 5
Beef check-off					\$ 1
Interest					
	9.0%				\$ 29
TOTAL SELECTED CASH EX	(PENSES				\$ 709
Family and regular hired labor	, hours <sup>4</sup>				3.1
Corn grain equivalent, bu (as f	ed)				69.8
Dry hay equivalent, tons (as fe	ed)				0.0
Corn silage, tons (as fed)					1.1

1 Shrunk weight at feedlot.

2 For every 100 lb increase in purchase weight, increase feed per lb of gain by 0.5 lb and increase sale weight by 25 lb. For heifers, reduce weight on feed by 10%, weight off feed by 10%, ADG by 10% and increase feed required per lb gain by 5%.

3 Majority of death loss occurs immediately after purchase. Budget applies to number of head sold, not number of head purchased.

4 Yardage costs are generally charged at \$0.29 per head per day. This charge includes equipment and building repair, labor, fuel and bedding costs as well as a manure credit.

5 Assumes interest is charged on purchase price plus death loss cost for the fraction of the year the steer is on feed.



## Feeder Steer Calf - Holstein

70% Grade Choice, Feed:Gain - 6.8 lb, Ave Daily Gain - 2.9 lb

Picture courtesy of Farm Sanctuary.				Price		Total per
	Quantity	Unit	pe	er Unit		Steer
REVENUE SOURCES						
Steer sales <sup>1</sup>	1250	lb	\$	0.70	\$	875
TOTAL REVENUE					\$	875
CASH EXPENSES						
Steer purchase	400	lb	\$	0.79	\$	316
2% Death loss <sup>2</sup>	8	lb	\$	0.79	\$	6
Purchased Feed						
Soybean meal 48% (as fed)	310	days	\$	0.11	\$	34
Urea	310	days	\$	0.01	\$	3
Minerals, vitamins	310	,	\$	0.03	\$	9
lonophore	310	days	\$	0.02	\$	7
Vet & medicine				<b>•</b> • • •	\$	14
Implants	310	days		\$0.04	\$	12
Equipment & building repairs	ຮັ				\$	17
Marketing						
Sales commissions					\$	8
Transportation					\$	5
Beef check-off					\$	1
Interest Cattle4	9.0%				\$	25
					-	
TOTAL SELECTED CASH EX	(PENSES				\$	458
Family and regular hired labor		5.0				
Corn grain equivalent, bu (as fed)						101.4
Dry hay equivalent, tons (as fe	ed)					0.0
Corn silage, tons (as fed)						1.5

1 Shrunk weight at feedlot.

2 Majority of death loss occurs immediately after purchase. Budget applies to number of head sold, not number of head purchased.

3 Yardage costs are generally charged at \$0.29 per head per day. This charge includes equipment and building repair, labor, fuel and bedding costs as well as a manure credit.

4 Assumes interest is charged on purchase price plus death loss cost for the fraction of the year the steer is on feed.

-	3	Ewe	and	Laı	nbs				
C1891-	The P	March	- Apri	l lamb	bing				
IT INTR			0112	ntity	Unit	Pri	ice per Unit	Tot	al per Ewe & Lambs
			Qua	intity	Unit		Unit		a Lamos
<b>REVENUE SO</b>	URCE	S							
Market lambs				195	lb	\$	0.70	\$	137
0	1.5	hd @	130	04		•	0.00	•	0
Cull ewes	0.15	hd @	140	21	lb	\$	0.30	\$	6
Ewe's wool	0.15	nu w	140	8	lb	\$	0.25	\$	2
	1	hd @	8	0		Ψ	0.20	Ψ	-
TOTAL REVEN	NUE							\$	145
CASH EXPENS Purchased Fi Soybean me Minerals, vit Vet & medici Livestock sup Gas, fuel & o Equipment re Building repa Utilities & pho Hauling, mar Shearing Miscellaneou Ewe replacer Ram replace	eed eal 48% tamins ne oplies oil epairs one keting s ment		1)	0.4 0.2 0.01	cwt hd		9.00 10.00 300.00	*****	4 3 6 2 1 1 1 4 1 3 22 3
TOTAL SELEC	TED (	CASH E	EXPE	NSES	6			\$	52
Family and reg	ular hi	red labo	or, ho	urs					4.0
Corn grain equ	ivalent	, bu (as	s fed)						8.0
Dry hay equiva	lent, to	ons (as	fed)						1.0
1 Includes \$2.50 pe	r lamb m	arketed a	and \$0.5	50 per o	cull ewe	mar	keted.		



## **Finishing Lamb**

530			Dri	ice per		Total per
	Quantity	Unit		Unit		Lamb
REVENUE SOURCES Marketlamb Wool	140 3	lb Ib	\$ \$	0.80 0.10	\$ \$	112 0
TOTAL REVENUE					\$	112
CASH EXPENSES Feeder lamb 2% Death loss <sup>1</sup> Purchased Feed	90 1.8	lb Ib	\$ \$	0.80 0.80	\$ \$	72 1
Soybean meal 48% (as fed Minerals, vitamins Vet & medicine Livestock supplies Gas, fuel & oil Equipment repairs Building repairs Utilities & phone Hauling, marketing Shearing Miscellaneous	) 0.4	cwt	\$	9.00	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	4 4 2 4 1 1 0 5 4 2 1
TOTAL SELECTED CASH EXPENSES\$Family and regular hired labor, hours\$Corn grain equivalent, bu (as fed)\$Dry hay equivalent, tons (as fed)\$1 Majority of death loss occurs immediately after purchase.						

## Dairy Cow

18,000 lbs Milk Sold

				Price per	Total per	
	Quantity	Unit		Unit		Cow
REVENUE SOURCES						
Milk	180	cwt	\$	13.00	\$	2,340
Cull cows	400	lb	\$	0.30	\$	120
32% Rate, 1250 lb Cows						
Bull calf <sup>1</sup>	0.4	hd	\$	80.00	\$	32
Heifer calf <sup>1</sup>	0.3	hd	\$	120.00	\$	36
TOTAL REVENUE					\$	2,528
CASH EXPENSES						
Purchased Feed						
Soybean meal 48% (as fed)	0.6	ton	\$	180	\$	108
Other feeds					\$	350
Breeding					\$ \$ \$	30
Vet & medicine						100
Livestock supplies <sup>2</sup>					\$	110
Gas, fuel & oil					\$ \$ \$	20
Equipment repairs					\$	82
Building repairs						53
Custom hire <sup>3</sup>					\$ \$ \$	12
Utilities & phone					\$	45
Milk trucking	180	cwt	\$	0.44		79
Marketing <sup>4</sup>					\$	40
Promotion	180	cwt	\$	0.15	\$	27
Miscellaneous <sup>5</sup>					\$	25
TOTAL SELECTED CASH EX	(PENSES	5			\$	1,081
Family and regular hired labor	, hours					62.0
Corn grain equivalent, bu (as f	ed) <sup>6</sup>					67.7
Dry hay equivalent, tons (as fe	ed) <sup>7</sup>					9.0
Corn silage, tons (as fed) <sup>7</sup> 1 Assumes 14 month calving interval, 9			- I'	050/		11.1

1 Assumes 14 month calving interval, 90% of calves born alive, 95% survive the first year, 55% born are bulls and 45% heifers.

2 Includes primarily milking and parlor supplies, tags, bedding, and pest control.

3 Includes hoof trimming and trucking for cull cows, calves and dead stock.

4 Includes dues and costs to market cull cows and calves.

5 Includes insurance, lease and other costs.

6 Includes 10% increase to account for shrink, storage and feeding losses and refusals.

7 Includes 30% increase to account for shrink, storage and feeding losses and refusals.



## Dairy Cow

22,000 lbs Milk Sold

22,000 lbs l	VIIIK Sola					
				Price per		Total per
	Quantity	Unit		Unit		Cow
REVENUE SOURCES						
Milk	220	cwt	\$	13.00	\$	2,860
Cull cows	400	lb	\$	0.30	\$	120
32% Rate, 1250 lb Cows						
Bull calf <sup>1</sup>	0.4	hd	\$	80.00	\$	32
Heifer calf <sup>1</sup>	0.3	hd	\$	120.00	\$	36
TOTAL REVENUE					\$	3,048
CASH EXPENSES						
Purchased Feed						
Soybean meal 48% (as fed)	0.9	ton	\$	180	\$	162
Other feeds					\$	396
Breeding					\$ \$ \$	30
Vet & medicine					\$	110
Livestock supplies <sup>2</sup>					\$	130
Gas, fuel & oil					\$ \$ \$ \$ \$	20
Equipment repairs					\$	82
Building repairs					\$	53
Custom hire <sup>3</sup>					\$	12
Utilities & phone					\$ \$	50
Milk trucking	220	cwt	\$	0.44	\$	97
Marketing <sup>4</sup>					\$	40
Promotion	220	cwt	\$	0.15	\$	33
Miscellaneous <sup>5</sup>					\$	25
TOTAL SELECTED CASH EX	PENSE	5			\$	1,240
Family and regular hired labor	, hours					62.0
Corn grain equivalent, bu (as f	ed) <sup>6</sup>					95.6
Dry hay equivalent, tons (as fe	ed) <sup>7</sup>					8.4
Corn silage, tons (as fed) <sup>7</sup>			P	050/		10.3

1 Assumes 14 month calving interval, 90% of calves born alive, 95% survive the first year, 55% born are bulls and 45% heifers.

2 Includes primarily milking and parlor supplies, tags, bedding, and pest control.

3 Includes hoof trimming and trucking for cull cows, calves and dead stock.

4 Includes dues and costs to market cull cows and calves.

5 Includes insurance, lease and other costs.

6 Includes 10% increase to account for shrink, storage and feeding losses and refusals.

7 Includes 30% increase to account for shrink, storage and feeding losses and refusals.

## Dairy Cow

26,000 lbs Milk Sold

			F	rice per		Total per
	Quantity	Unit		Unit		Cow
REVENUE SOURCES						
Milk	260	cwt		\$13.00	\$	3,380
Cull cows	400	lb		\$0.30	\$	120
32% Rate, 1250 lb Cows						
Bull calf <sup>1</sup>	0.4	hd		\$80.00	\$	32
Heifer calf <sup>1</sup>	0.3	hd	\$	120.00	\$	36
TOTAL REVENUE					\$	3,568
CASH EXPENSES						
Purchased Feed						
Soybean meal 48% (as fed)	1.1	ton	\$	180	\$	198
Other feeds					\$	460
Breeding					\$	30
Vet & medicine					\$	125
bST <sup>2</sup>	14	doses		\$5.80	\$	81
Livestock supplies <sup>3</sup>					\$ \$ \$ \$	150
Gas, fuel & oil					\$	20
Equipment repairs					\$	82
Building repairs						53
Custom hire <sup>4</sup>					\$ \$	12
Utilities & phone				•	\$	68
Milk trucking	260	cwt		\$0.44	\$	114
Marketing <sup>5</sup>					\$	40
Promotion	260	cwt	\$	0.15	\$	39
Miscellaneous <sup>6</sup>					\$	25
TOTAL SELECTED CASH E	XPENSES				\$	1,498
Family and regular hired labo	or, hours					62.0
Corn grain equivalent, bu (as	fed) <sup>7</sup>					115.5
Dry hay equivalent, tons (as	fed) <sup>8</sup>					8.1
Corn silage, tons (as fed) <sup>8</sup>						9.9

1 Assumes 14 month calving interval, 90% of calves born alive, 95% survive the first year, 55% born are bulls and 45% heifers.

2 Assumes cow is on bST for approximately half of the year.

3 Includes primarily milking and parlor supplies, tags, bedding, and pest control.

4 Includes hoof trimming and trucking for cull cows, calves and dead stock.

5 Includes dues and costs to market cull cows and calves.

6 Includes insurance, lease and other costs.

7 Includes 10% increase to account for shrink, storage and feeding losses and refusals.

8 Includes 30% increase to account for shrink, storage and feeding losses and refusals.



## Dairy Heifer

Birth to Freshening at 24 Months of Age

NY			Price per	Total per
00	Quantity	Unit	Unit	Heifer

#### **REVENUE SOURCES**

Assume that heifer is raised for use within herd.

TOTAL REVENUE CASH EXPENSES Purchased Feed				\$ -
Milk Replacer	60	lb	\$ 0.78	\$ 47
Calf Starter	100	lb	\$ 0.20	\$ 20
Soybean meal 48% (as fed)	0.3	ton	\$ 180	\$ 63
Mineral/Vitamin Mix	132	lb	\$ 0.23	\$ 30
Breeding				\$ 25
Vet & medicine				\$ 22
Livestock supplies				\$ 20
Gas, fuel & oil				\$ 10
Equipment repairs				\$ 40
Building repairs				\$ 20
Utilities & phone				\$ 30
Miscellaneous				\$ 8

TOTAL SELECTED CASH EXPENSES	\$ 335
Family and regular hired labor, hours	15.0
Corn grain equivalent, bu (as fed) <sup>1</sup>	22.6
Dry hay equivalent, tons (as fed) <sup>2</sup>	2.1
Corn silage, tons (as fed) <sup>2</sup>	6.4

1 Includes 10% increase to account for shrink, storage and feeding losses and refusals. 2 Includes 30% increase to account for shrink, storage and feeding losses and refusals.

## Dairy Cow and Replacement<sup>1</sup>

18,000 lbs Milk Sold

			Ρ	rice per	Total per Cow	
	Quantity	Unit		Unit		& Rplcmt
<b>REVENUE SOURCES</b>						
Milk	180	cwt	\$	13.00	\$	2,340
Cull cows	400	lb	\$	0.30	\$	120
32% Rate, 1250 lb Cows						
Bull calf	0.4	hd	\$	80.00	\$	32
TOTAL REVENUE					\$	2,492
CASH EXPENSES						
Purchased Feed						
Milk replacer & calf starter					\$	30
Soybean meal 48% (as fe	d) 0.8	ton	\$	180	\$	136
Other feeds					\$ \$ \$ \$	364
Breeding					\$	35
Vet & medicine					\$	110
Livestock supplies <sup>2</sup>					\$ \$ \$ \$	119
Gas, fuel & oil					\$	25
Equipment repairs					\$	100
Building repairs						62
Custom hire <sup>3</sup>					\$ \$	12
Utilities & phone					\$	59
Milk trucking	180	cwt	\$	0.44	\$	79
Marketing <sup>4</sup>					\$	40
Promotion	180	cwt	\$	0.15	\$	27
Miscellaneous⁵					\$	29
TOTAL SELECTED CASH	EXPENSE	S			\$	1,226
Family and regular hired lab	or, hours					68.8
Corn grain equivalent, bu (a	is fed) <sup>6</sup>					77.9
Dry hay equivalent, tons (as	s fed) <sup>7</sup>					9.9
Corn silage, tons (as fed) <sup>7</sup>						14.0

1 Assumes 0.9 replacement heifers per cow.

2 Includes primarily milking and parlor supplies, tags, bedding, and pest control.

3 Includes hoof trimming and trucking for cull cows, calves and dead stock.

4 Includes dues and costs to market cull cows and calves.

5 Includes insurance, lease and other costs.

6 Includes 10% increase to account for shrink, storage and feeding losses and refusals.

7 Includes 30% increase to account for shrink, storage and feeding losses and refusals.



## Dairy Cow and Replacement<sup>1</sup>

22,000 lbs Milk Sold

22,00	JU IDS IVIIIK	2010	-	niee nor	-	
	Quertit.	110-14	Р	rice per	Го	tal per Cow
REVENUE SOURCES	Quantity	Unit		Unit		& Rplcmt
Milk	220	cwt	\$	13.00	\$	2,860
Cull cows	400	lb	ֆ \$	0.30	ֆ \$	2,800
32% Rate, 1250 lb Cows	400	10	Ψ	0.00	Ψ	120
Bull calf	0.4	hd	\$	80.00	\$	32
TOTAL REVENUE					\$	3,012
CASH EXPENSES						
Purchased Feed						
Milk replacer & calf starter					\$	30
Soybean meal 48% (as fed	) 1.1	lb	\$	180	\$	190
Other feeds					\$ \$ \$	410
Breeding					\$	35
Vet & medicine						120
Livestock supplies <sup>2</sup>					\$ \$ \$	139
Gas, fuel & oil					\$	25
Equipment repairs					\$	100
Building repairs					\$	62
Custom hire <sup>3</sup>					\$	12
Utilities & phone					\$	64
Milk trucking	220	cwt	\$	0.44	\$	97
Marketing <sup>4</sup>					\$	40
Promotion	220	cwt	\$	0.15	\$	33
Miscellaneous⁵					\$	29
TOTAL SELECTED CASH	EXPENSE	S			\$	1,384
Family and regular hired lab	or, hours					68.8
Corn grain equivalent, bu (as fed) <sup>6</sup> 105						
Dry hay equivalent, tons (as	fed) <sup>7</sup>					9.3
Corn silage, tons (as fed) <sup>7</sup>						13.2
1 Assumes 0.9 replacement heifers p	er cow.					

1 Assumes 0.9 replacement heifers per cow.

2 Includes primarily milking and parlor supplies, tags, bedding, and pest control.

3 Includes hoof trimming and trucking for cull cows, calves and dead stock.

4 Includes dues and costs to market cull cows and calves.

5 Includes insurance, lease and other costs.

6 Includes 10% increase to account for shrink, storage and feeding losses and refusals.

7 Includes 30% increase to account for shrink, storage and feeding losses and refusals.

## Dairy Cow and Replacement<sup>1</sup>

26,000 lbs Milk Sold

			Price per	То	tal per Cow
	Quantity	Unit	Unit		& Rplcmt
REVENUE SOURCES					
Milk	260	cwt	\$ 13.00	\$	3,380
Cull cows	400	lb	\$ 0.30	\$	120
32% Rate, 1250 lb Cows					
Bull calf	0.4	hd	\$ 80.00	\$	32
TOTAL REVENUE				\$	3,532
CASH EXPENSES					
Purchased Feed					
Milk replacer & calf starter				\$	30
Soybean meal 48% (as fee	l) 1.3	ton	\$ 180.00	\$	226
Other feeds				\$ \$ \$	474
Breeding				\$	35
Vet & medicine					135
bST <sup>2</sup>	14	doses	\$ 5.80	\$	81
Livestock supplies <sup>3</sup>				\$	159
Gas, fuel & oil				\$ \$ \$	25
Equipment repairs					100
Building repairs				\$	62
Custom hire <sup>4</sup>				\$ \$	12
Utilities & phone				\$	82
Milk trucking	260	cwt	\$ 0.44	\$	114
Marketing <sup>5</sup>				\$	40
Promotion	260	cwt	\$ 0.15	\$	39
Miscellaneous <sup>6</sup>				\$	29
TOTAL SELECTED CASH	EXPENSE	ES		\$	1,642
Family and regular hired lab	or, hours				68.8
Corn grain equivalent, bu (a	s fed) <sup>7</sup>				125.7
Dry hay equivalent, tons (as	fed) <sup>8</sup>				9.0
Corn silage, tons (as fed) <sup>8</sup>					12.8

1 Assumes 0.9 replacement heifers per cow.

2 Assumes cow is on bST for approximately half of the year.

3 Includes milking and parlor supplies, tags, bedding, and pest control.

4 Includes hoof trimming and trucking for cull cows, calves and dead stock.

5 Includes dues and costs to market cull cows and calves.

6 Includes insurance, lease and other costs.

7 Includes a 10% increase to account for shrink, storage and feeding losses and refusals.

8 Includes a 30% increase to account for shrink, storage and feeding losses and refusals.



.

## Dairy Cow and Replacement<sup>1</sup>

16,000 lbs Milk, Management Intensive Grazing<sup>2</sup>

				Price per	То	tal per Cow
~ ~ <b>~ ~ ~ 1</b> 80%	Quantity	Unit		Unit	-	& Rplcmt
REVENUE SOURCES						
Milk	160	cwt	\$	13.00	\$	2,080
Cull cows	308	lb	\$	0.30	\$	92
28% Rate, 1100 lb Cows						
Bull calf	0.4	hd	\$	80.00	\$	32
TOTAL REVENUE					\$	2,204
CASH EXPENSES						
Purchased Feed						
Milk replacer & calf starter					\$	30
Soybean meal 48% (as fed	) 0.4	lb	\$	180	\$	72
Other feeds					\$ \$ \$	378
Breeding					\$	25
Vet & medicine						50
Livestock supplies <sup>3</sup>					\$	90
Gas, fuel & oil					\$	10
Equipment repairs					\$	65
Building repairs					\$	20
Custom hire <sup>4</sup>					\$	8
Utilities & phone					\$	45
Milk trucking	160	cwt	\$	0.44	\$	70
Marketing <sup>5</sup>					\$	40
Promotion	160	cwt	\$	0.15	\$	24
Miscellaneous <sup>6</sup>					\$	25
TOTAL SELECTED CASH	EXPENSI	ES			\$	952
Family and regular hired labo	or, hours					46.8
Corn grain equivalent, bu (as	s fed) <sup>7</sup>					70.0
Dry hay equivalent, tons (as fed) <sup>8,9</sup>						
Corn silage, tons (as fed) <sup>8</sup>						6.0
1 Assumes 0.9 replacement heifers per 2 Milks year around and approximately		calve ir	n spr	ing.		

2 Milks year around and approximately 2/3 of cows calve in spring.

 $\ensuremath{\mathsf{3}}$  Includes milking and parlor supplies, tags, bedding, and pest control.

4 Includes hoof trimming and trucking for cull cows, calves and dead stock.

5 Includes dues and costs to market cull cows and calves.

6 Includes insurance, lease and other costs.

7 Includes a 10% increase to account for shrink, storage and feeding losses and refusals. 8 Includes a 30% increase to account for shrink, storage and feeding losses and refusals. 9 Dry hay equivalent includes pasture yield.



## Swine, Farrow to Finish

High Production 2.26 Litters per Yr, 20.28 Pigs per Sow per Yr, Al, Raise Own Replacement Gilts

	Quantity	llnit	Price per Unit		al per Sow & Litters
	Quantity	Unit	Unit		a Litters
REVENUE SOURCES					
Finished hogs <sup>1</sup>	52.68	cwt	\$ 42	\$	2,213
19.88 hd			<b>ч</b> .=	Ŧ	_,
Sows <sup>2</sup>	1.6	cwt	\$ 27	\$	43
0.4 hd	l@ 400 lb	)		·	
TOTAL REVENUE				\$	2,256
CASH EXPENSES					
Purchased feed					
Soybean meal 44%	32.5	cwt	\$9	\$	293
Minerals, vitamins &	other feeds			\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	258
Breeding				\$	24
Vet & medicine				\$	62
Livestock supplies				\$	30
Gas, fuel & oil				\$	20
Equipment repairs				\$	60
Building repairs				\$	10
Utilities & phone				\$ ¢	55
Hauling, marketing				ծ Տ	65
Miscellaneous				\$	28
TOTAL SELECTED C		\$	904		
Family and regular hired labor, hours					33.3
Corn grain equivalent,			212.0		
Capital gains income in		\$	43		
1 Retain 0.4 gilts per sow for r	eplacement.				

2 Sow price is \$15 less than market hog price.



## Swine, Farrow to Finish

Average Production 2.15 Litters per Yr, 18.14 Pigs per Sow per Yr, AI, Raise Own Replacement Gilts

			Price per	То	tal per Sow
	Quantity	Unit	Unit		& Litters
REVENUE SOURCES					
Finished hogs <sup>1</sup>	47.01	cwt	\$ 42	\$	1,974
17.74 hd	0 -00	lb			
Sows <sup>2</sup>	1.6	cwt	\$ 27	\$	43
0.4 hd	@ 400	lb			
TOTAL REVENUE				\$	2,018
CASH EXPENSES Purchased feed					
Soybean meal 44%	32.0	cwt	\$ 9	\$	288
Minerals, vitamins & d	other feeds		•	\$	252
Breeding				\$	25
Vet & medicine				\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	59
Livestock supplies				\$	27
Gas, fuel & oil				\$	20
Equipment repairs				\$	57
Building repairs				\$	10
Utilities & phone				\$	55
Hauling, marketing				\$	58
Miscellaneous				\$	28
TOTAL SELECTED CA	SH EXPEN	ISES		\$	879
Family and regular hired			30.0		
Corn grain equivalent, b	ou (as fed)				208.5
Capital gains income in 1 Retain 0.4 gilts per sow for re		'e		\$	43

1 Retain 0.4 gilts per sow for replacement.

2 Sow price is \$15 less than market hog price.



## Swine, Breed to Feeder Pig

High Production 2.26 Litters per Yr, 20.58 Feeder Pigs per Sow per Yr, Al, Buy Replacement Gilts

	-			P	rice per	Tot	tal per Sow
	Q	uantity	Unit		Unit		& Litters
REVENUE SOURC	ES						
Feeder pigs	-	20.58	hd	\$	44	\$	899
	hd @	50	lb	·			
Sows <sup>1</sup>		1.6	cwt	\$	27	\$	43
0.4	hd @	400	lb	Ŧ		Ţ	-
TOTAL REVENUE						\$	943
CASH EXPENSES							
Purchased feed							
Soybean meal 44		6.9	cwt	\$	9	\$	62
Minerals, vitamin	s & othe	er feeds				\$	120
Breeding						\$	24
Vet & medicine	-					ን ¢	40 19
Livestock supplie Gas, fuel & oil	5					\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	19
Equipment repair	s					\$	33
Building repairs	•					\$	4
Utilities & phone						\$	34
Hauling, marketin	g					\$	15
Replacement gilts	6	0.4	hd	\$	186	\$	75
Miscellaneous						\$	27
TOTAL SELECTED CASH EXPENSES							458
Family and regular hired labor, hours							22.6
Corn grain equivale	nt, bu (	as fed)					37.3
Capital gains incom	e inclu	ded abov	/e			\$	43

1 Sow price is \$15 less than market hog price.



## Swine, Breed to Feeder Pig

Average Production 2.15 Litters per Yr, 18.67 Feeder Pigs per Sow per Yr, Al, Buy Replacement Gilts

Price per Total									
	Quantity	Unit		Unit		& Litters			
REVENUE SOURCES									
Feeder pigs	18.67	hd	\$	44	\$	816			
18.67 hd @	D 50	lb							
Sows <sup>1</sup>	1.6	cwt	\$	27	\$	43			
0.4 hd @	9 400	lb							
TOTAL REVENUE					\$	859			
CASH EXPENSES Purchased feed									
Soybean meal 44%	6.9	cwt	\$	9	\$	62			
Minerals, vitamins & of	ther feeds				\$ \$	117			
Breeding					\$	25			
Vet & medicine					\$	40			
Livestock supplies					\$	18			
Gas, fuel & oil					\$	5			
Equipment repairs					\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	32			
Building repairs					\$	4			
Utilities & phone					\$	36			
Hauling, marketing			•		\$	14			
Replacement gilts	0.4	hd	\$	186	\$	75			
Miscellaneous					\$	28			
TOTAL SELECTED CAS	SH EXPEN	ISES			\$	456			
Family and regular hired			20.0						
Corn grain equivalent, bu	u (as fed)					37.3			
Capital gains income inc	luded abov	/e			\$	43			

1 Sow price is \$15 less than market hog price.



## Swine, Feeder Pig to Finish

High Production

	•		P	rice per		
	Quantity	Unit		Unit		Total per Pig
<b>REVENUE SOURCES</b>						
Finished hogs	265	cwt	¢	42	\$	11,130
100 hd		lb	ψ	42	ψ	11,150
1.5% Death loss	<u>ده</u> 205 1.5	hd	\$	42	\$	(167)
						· · · ·
TOTAL REVENUE					\$	10,963
CASH EXPENSES						
Feeder pigs <sup>1</sup>	100	hd	\$	44	\$	4,370
Purchased Feed						
Soybean meal 44%	123.7	cwt	\$	9	\$	1,113
Minerals, vitamins & o	other feeds				\$	637
Vet & medicine					\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	150
Livestock supplies					\$	50
Gas, fuel & oil					\$	80
Equipment repairs					\$	130
Building repairs					\$	33
Utilities & phone					\$	100
Hauling, marketing					\$	314
Miscellaneous					\$	3
TOTAL SELECTED CA		SES			\$	6,980
Family and regular hired	d labor, hou	rs				50.0
Corn grain equivalent, b	ou (as fed)					841.3
4 Feeder size are suized at 770		Mauliat		······································		

1 Feeder pigs are priced at 77% of lean price. Market hog price (\$42) is assumed to be paid on a 74% lean hog. Lean price is \$42/.74 or \$61.



## Swine, Feeder Pig to Finish

Average Production

💘 🔜 χ 🦾 χ 🔊 100 F	Pigs					
			F	Price per		
	Quantity	Unit		Unit		Fotal per Pig
REVENUE SOURCES	005		•	10	•	44.400
Finished hogs	265	cwt	\$	42	\$	11,130
100 hd @		lb	•	10	•	(0,1,0)
2.8% Death loss	2.8	hd	\$	42	\$	(312)
TOTAL REVENUE					\$	10,818
CASH EXPENSES						
Feeder pigs <sup>1</sup>	100	hd	\$	44	\$	4,370
Purchased Feed						
Soybean meal 44%	135.2	cwt	\$	9	\$	1,217
Minerals, vitamins & oth	ner feeds					696
Vet & medicine					\$	150
Livestock supplies					\$	50
Gas, fuel & oil					\$	80
Equipment repairs					\$	130
Building repairs					\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	33
Utilities & phone					\$	100
Hauling, marketing					\$	310
Miscellaneous					\$	2
TOTAL SELECTED CAS		ISES			\$	7,139
Family and regular hired I	abor, hou	rs				50.0
Corn grain equivalent, bu	(as fed)					919.2

1 Feeder pigs are priced at 77% of lean price. Market hog price (\$42) is assumed to be paid on a 74% lean hog. Lean price is \$42/.74 or \$61.



## Swine, Breed to Wean<sup>1</sup>

High Production 2.26 Litters per Yr, 20.79 Pigs Weaned per Sow per Yr, AI, Buy Replacement Gilts

Ton		, / II, Duy	rtopia	Ρ	rice per	Tota	al per Sow &
	Q	uantity	Unit		Unit		Litters
REVENUE SOURC	ES						
Weaned pigs		20.79	hd	\$	30	\$	625
Cull sows <sup>2</sup>		1.6	cwt	\$	27	\$	43
0.4	hd @	400	lb				
TOTAL REVENUE						\$	669
CASH EXPENSES							
Purchased feed							
Soybean meal 44		3.8	cwt	\$	9	\$	34
Minerals, vitamin	s & othe	r feeds				\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	44
Breeding						\$	24
Vet & medicine	_					\$	21
Livestock supplies	5					\$	16
Gas, fuel & oil	_					\$ ¢	3
Equipment repairs	5					ф Ф	28 3
Building repairs Utilities & phone						¢ D	3 29
Hauling, marketin	a					ф Ф	29 13
Replacement gilts	•	0.4	hd	¢	186	φ Φ	75
Miscellaneous	•	0.4	nu	Ψ	100	φ \$	23
TOTAL SELECTED	TOTAL SELECTED CASH EXPENSES						
Family and regular hired labor, hours							20.4
Corn grain equivalent, bu (as fed)							25.3
Capital gains incom						\$	43

2 Sow price is \$15 less than market hog price.

-010			Pr	ice per	Total	per So
	Quantity	Unit		Unit		Litt
REVENUE SOURCES						
Weaned pigs	19.14	hd	\$	30	\$	5
Cull sows <sup>2</sup>	1.6	cwt	\$	27	\$	
0.4 hd	@ 400	lb				
TOTAL REVENUE					\$	6
Purchased feed Soybean meal 44% Minerals, vitamins & o Breeding Vet & medicine Livestock supplies Gas, fuel & oil Equipment repairs Building repairs Utilities & phone Hauling, marketing Replacement gilts	3.7 other feeds 0.4	cwt	•	9 186	* * * * * * * * * * * *	
Miscellaneous TOTAL SELECTED CA		ISES			\$ \$	3
Family and regular hired	-				Ŧ	
Corn grain equivalent, b	ou (as fed)					2

2 Sow price is \$15 less than market hog price.

Swine, W High Production		o F	inish		
100 Pigs, 3.00	blbs fee			า	
	11	Р	rice per	-	Total nar Dia
Quantity	Unit		Unit		otal per Pig
REVENUE SOURCES					
Finished hogs 265	cwt	\$	42	\$	11,130
100 hd @ 265	lb				
2.49% Death loss 2.49	hd	\$	42	\$	(277)
TOTAL REVENUE				\$	10,853
CASH EXPENSES					
Weaned pigs <sup>1</sup> 100	hd	\$	30	\$	3,008
Purchased Feed					
Soybean meal 44% 139.0	cwt	\$	9	\$	1,251
Minerals, vitamins & other feeds				\$ \$ \$ \$ \$ \$ \$ \$ \$	1,008
Vet & medicine				\$	290
Livestock supplies				\$	65
Gas, fuel & oil				\$	83
Equipment repairs				\$	155
Building repairs				\$	36
Utilities & phone				\$	127
Hauling, marketing				ֆ \$	311
Miscellaneous				Ф	24
TOTAL SELECTED CASH EXPE	NSES			\$	6,356
Family and regular hired labor, hou	65.0				
Corn grain equivalent, bu (as fed)					899.2

1 Weaned pigs are priced at 53% of lean price. Market hog price (\$42) is assumed to be paid on a 74% lean hog. Lean price is \$42/.74 or \$61.

REVENUE SOURCESFinished hogs265cwt \$42\$11,130100hd @265lb5.18%Death loss5.18hd \$42\$(577)TOTAL REVENUE\$10,553CASH EXPENSESWeaned pigs1100hd \$30\$3,008Purchased Feed\$9\$1,372Minerals, vitamins & other feeds\$1,086\$\$Vet & medicine\$307\$307Livestock supplies\$66\$\$\$Gas, fuel & oil\$\$85\$66Building repairs\$302\$302Miscellaneous\$28\$28TOTAL SELECTED CASH EXPENSES\$6,583Family and regular hired labor, hours65.0\$\$Corn grain equivalent, bu (as fed)984.2\$\$	A	Swine, Average P 00 Pigs, 3 Quan	rodu 3.36	ction	ed p			Fotal per Pig
Finished hogs265cwt42\$11,130100hd265lb5.18%hd\$42\$(577)TOTAL REVENUE\$10,553CASH EXPENSESWeaned pigs1100hd\$30\$3,008Purchased Feed\$100hd\$30\$\$Soybean meal 44%152.4cwt\$9\$1,372Minerals, vitamins & other feeds\$1,086\$307Livestock supplies\$\$66\$307Livestock supplies\$\$\$307Livestock supplies\$\$\$307Building repairs\$\$37Utilities & phone\$\$302Miscellaneous\$2828TOTAL SELECTED CASH EXPENSES\$6,583Family and regular hired labor, hours\$65.0			,					
100 hd @265 lb5.18% Death loss5.18 hd \$42 \$(577)TOTAL REVENUE\$10,553CASH EXPENSESWeaned pigs1100 hd \$30 \$3,008Purchased Feed30\$1,372Soybean meal 44%152.4 cwt \$9 \$1,372Minerals, vitamins & other feeds\$1,086Vet & medicine\$307Livestock supplies\$66Gas, fuel & oil\$85Equipment repairs\$160Building repairs\$377Utilities & phone\$133Hauling, marketing\$302Miscellaneous\$28TOTAL SELECTED CASH EXPENSES\$6,583Family and regular hired labor, hours65.0			005		ሱ	40	¢	11 100
5.18% Death loss5.18hd \$42\$(577)TOTAL REVENUE\$10,553CASH EXPENSESWeaned pigs1100hd \$30\$3,008Purchased Feed30\$1,372Minerals, vitamins & other feeds\$1,086Soybean meal 44%152.4cwt \$9\$1,372Minerals, vitamins & other feeds\$3071,086Vet & medicine\$307\$307Livestock supplies\$66\$85Equipment repairs\$160\$85Building repairs\$302\$302Miscellaneous\$28\$28TOTAL SELECTED CASH EXPENSES\$6,583Family and regular hired labor, hours65.065.0	•			•	\$	42	\$	11,130
TOTAL REVENUE\$10,553CASH EXPENSESWeaned pigs1100hd \$30\$Purchased Feed\$30\$3,008Purchased Feed\$9\$1,372Minerals, vitamins & other feeds\$1,086\$Vet & medicine\$307\$307Livestock supplies\$66\$66Gas, fuel & oil\$\$85Equipment repairs\$160\$Building repairs\$302\$Miscellaneous\$302\$TOTAL SELECTED CASH EXPENSES\$6,583Family and regular hired labor, hours65.0			-		¢	12	¢	(577)
CASH EXPENSESWeaned pigs1100hd \$30\$3,008Purchased FeedSoybean meal 44%152.4cwt \$9\$1,372Minerals, vitamins & other feeds\$1,086\$307Vet & medicine\$307\$66Gas, fuel & oil\$\$85Equipment repairs\$160Building repairs\$37Utilities & phone\$133Hauling, marketing\$302Miscellaneous\$28TOTAL SELECTED CASH EXPENSES\$6,583Family and regular hired labor, hours65.0	5.10% Deali11055			nu	φ	42	φ	(377)
Weaned pigs1100hd \$30\$3,008Purchased FeedSoybean meal 44%152.4cwt \$9\$1,372Minerals, vitamins & other feeds\$1,086\$1,086Vet & medicine\$307\$307Livestock supplies\$66\$85Equipment repairs\$160\$85Equipment repairs\$37\$37Utilities & phone\$302\$302Miscellaneous\$28\$6,583Family and regular hired labor, hours65.065.0	TOTAL REVENUE						\$	10,553
Purchased FeedSoybean meal 44%152.4cwt \$9\$1,372Minerals, vitamins & other feeds\$1,086\$1,086Vet & medicine\$307\$307Livestock supplies\$66\$307Livestock supplies\$66\$85Equipment repairs\$160\$Building repairs\$160\$Building repairs\$37Utilities & phone\$133Hauling, marketing\$302Miscellaneous\$28TOTAL SELECTED CASH EXPENSES\$6,583Family and regular hired labor, hours65.0	CASH EXPENSES							
Soybean meal 44%152.4cwt \$9\$1,372Minerals, vitamins & other feeds\$1,086Vet & medicine\$307Livestock supplies\$66Gas, fuel & oil\$85Equipment repairs\$160Building repairs\$37Utilities & phone\$133Hauling, marketing\$302Miscellaneous\$28TOTAL SELECTED CASH EXPENSES\$6,583Family and regular hired labor, hours65.0	Weaned pigs <sup>1</sup>		100	hd	\$	30	\$	3,008
Minerals, vitamins & other feeds\$1,086Vet & medicine\$307Livestock supplies\$66Gas, fuel & oil\$85Equipment repairs\$160Building repairs\$37Utilities & phone\$133Hauling, marketing\$302Miscellaneous\$28TOTAL SELECTED CASH EXPENSES\$65.0Family and regular hired labor, hours65.0	Purchased Feed							
Miscellaneous\$28TOTAL SELECTED CASH EXPENSES\$6,583Family and regular hired labor, hours65.0				cwt	\$	9		-
Miscellaneous\$28TOTAL SELECTED CASH EXPENSES\$6,583Family and regular hired labor, hours65.0		& other fee	ds				\$	
Miscellaneous\$28TOTAL SELECTED CASH EXPENSES\$6,583Family and regular hired labor, hours65.0							\$	
Miscellaneous\$28TOTAL SELECTED CASH EXPENSES\$6,583Family and regular hired labor, hours65.0							\$	
Miscellaneous\$28TOTAL SELECTED CASH EXPENSES\$6,583Family and regular hired labor, hours65.0	,						\$	
Miscellaneous\$28TOTAL SELECTED CASH EXPENSES\$6,583Family and regular hired labor, hours65.0							\$	
Miscellaneous\$28TOTAL SELECTED CASH EXPENSES\$6,583Family and regular hired labor, hours65.0	<b>e</b> ,						\$	
Miscellaneous\$28TOTAL SELECTED CASH EXPENSES\$6,583Family and regular hired labor, hours65.0	•						\$	
TOTAL SELECTED CASH EXPENSES\$6,583Family and regular hired labor, hours65.0								
Family and regular hired labor, hours65.0	Miscellaneous						\$	28
<b>y o</b>	TOTAL SELECTED (	CASH EX	PEN	SES			\$	6,583
Corn grain equivalent, bu (as fed) 984.2	Family and regular hir	red labor,	hour	S				65.0
1 Weaped pigs are priced at $53\%$ of leap price. Market bog price (\$42) is assumed to be		•						

1 Weaned pigs are priced at 53% of lean price. Market hog price (\$42) is assumed to be paid on a 74% lean hog. Lean price is \$42/.74 or \$61.

كىر	Swine, Wean to Feeder Pig High Production 100 Pigs											
<u>``</u>	TUU Pig	5		rice per	Tota	al per Sow &						
$\sim$	Qı	uantity	Unit		Unit		Litters					
<b>REVENUE SOURC</b> Feeder pigs <sup>1</sup>	E9	100	hd	¢	44	\$	4,370					
	hd @		na Ib	φ	44	Φ	4,370					
1% Death loss	nu e	1	hd	\$	44	\$	(22)					
TOTAL REVENUE						\$	4,348					
CASH EXPENSES												
Weaned $pigs^2$		100	hd	¢	30	\$	2 009					
Purchased Feed		100	na	Φ	30	Φ	3,008					
Soybean meal 44	%	15.3	cwt	\$	9	\$	138					
Minerals, vitamins			0001	Ψ	0		371					
Vet & medicine						\$ \$ \$ \$ \$ \$ \$	140					
Livestock supplies	6					\$	15					
Gas, fuel & oil						\$	3					
Equipment repairs	5					\$	25					
Building repairs						\$	3					
Utilities & phone						\$	27					
Hauling, marketin	g					\$	70					
Miscellaneous	•					\$	21					
TOTAL SELECTED	CASH	EXPEN	SES			\$	3,820					
Family and regular hired labor, hours												
Corn grain equivale	nt, bu (a	s fed)					57.9					
1 Feeder pigs are priced a	at 77% of la	an price	Markot	hoa	nrice (\$12) i	e 2001	imed to be					

1 Feeder pigs are priced at 77% of lean price. Market hog price (\$42) is assumed to be paid on a 74% lean hog. Lean price is \$42/.74 or \$61.

2 Weaned pigs are priced at 53% of lean price. Market hog price (\$42) is assumed to be paid on a 74% lean hog. Lean price is 42/.74 or 61.

Swine, Wean to Feeder Pig											
27					CEUEI	ГЦ	y				
(	Average	e Produ	ction								
	100 Pig	S		_							
$\sim$	0.	ontitu	11014	Р	Unit	Tota	I per Sow & Litters				
$\sim$	Q	antity	Unit		Unit		Litters				
<b>REVENUE SOURC</b>	ES										
Feeder pigs <sup>1</sup>		100	hd	\$	44	\$	4,370				
	hd @		lb	Ψ		Ψ	1,010				
2.45% Death loss		2.5	hd	\$	44	\$	(54)				
TOTAL REVENUE						\$	4,317				
CASH EXPENSES		400		•		•	0.000				
Weaned pigs <sup>2</sup>		100	hd	\$	30	\$	3,008				
Purchased Feed					_	•					
Soybean meal 44		17.2	cwt	\$	9	\$	155				
Minerals, vitamins	s & other	feeds				\$ \$ \$ \$ \$ \$ \$	390				
Vet & medicine						\$	157				
Livestock supplies	6					\$	16				
Gas, fuel & oil						\$	5				
Equipment repairs	6					\$	30				
Building repairs						\$	4				
Utilities & phone						\$	33				
Hauling, marketing	g					\$	69				
Miscellaneous	-					\$	25				
TOTAL SELECTED CASH EXPENSES							3,892				
Family and regular h	15.0										
Corn grain equivalent, bu (as fed)											
1 Feeder pigs are priced a	nt 77% of le	an price.	Market	hog	price (\$42) i	is assu	imed to be				

1 Feeder pigs are priced at 77% of lean price. Market hog price (\$42) is assumed to be paid on a 74% lean hog. Lean price is \$42/.74 or \$61.

2 Weaned pigs are priced at 53% of lean price. Market hog price (\$42) is assumed to be paid on a 74% lean hog. Lean price is \$42/.74 or \$61.