



AgEcon SEARCH
RESEARCH IN AGRICULTURAL & APPLIED ECONOMICS

The World's Largest Open Access Agricultural & Applied Economics Digital Library

This document is discoverable and free to researchers across the globe due to the work of AgEcon Search.

Help ensure our sustainability.

Give to AgEcon Search

AgEcon Search
<http://ageconsearch.umn.edu>
aesearch@umn.edu

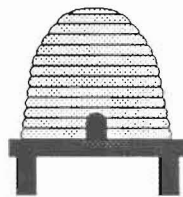
*Papers downloaded from **AgEcon Search** may be used for non-commercial purposes and personal study only. No other use, including posting to another Internet site, is permitted without permission from the copyright owner (not AgEcon Search), or as allowed under the provisions of Fair Use, U.S. Copyright Act, Title 17 U.S.C.*

December 1995

E.B. 95-24

BEE ECONOMICS

A Computer Model for Economic Analysis of Beekeeping Operations



Developed by:
Lois Schertz Willett
Cornell University

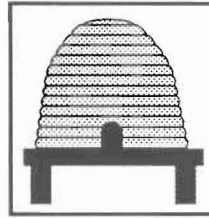
Nicholas W. Calderone
U.S. Department of Agriculture, Agricultural Research Service

Malcolm T. Sanford
University of Florida

Department of Agricultural, Resource, and Managerial Economics
College of Agriculture and Life Sciences
Cornell University
Ithaca, New York 14853-7801

BEE ECONOMICS

A Computer Model for Economic Analysis of Beekeeping Operations



Developed by:

Lois Schertz Willett, Department of Agricultural, Resource and Managerial Economics,
Cornell University, Ithaca, NY 14853-7801, 607-255-4489

Nicholas W. Calderone, U.S. Department of Agriculture, Agricultural Research Service,
Bee Research Laboratory, Beltsville, MD 20705

Malcolm T. Sanford, Entomology and Nematology Department, University of Florida,
Gainesville, FL 32601

Assistance received from S. B. Willett, J. C. Bernard, and S. C. Czado

This project was funded, in part, by grant #LNE91-27 from the U.S. Department of
Agriculture, Sustainable Agriculture, Research and Education Program
(formerly LISA) to N. W. Calderone and L. S. Willett.

©1995 Lois Schertz Willett. All Rights Reserved.

<u>Section</u>	<u>Page</u>
Welcome to Bee Economics	1
Introduction	1
Description of Modules	2
Getting Started	3
Hints for the Bee Planner Module	5
Sample Model Output	6
Description of Modules	7
Instructions	9
Bee Planner Module	12
Record Keeping Module	15
Investment	16
Expense	21
Revenue	31
Cashflow	33
Enterprise Analysis Module	36

WELCOME TO BEE ECONOMICS

INTRODUCTION

Welcome to Bee Economics. We hope you find this economic package helpful in the analysis of your beekeeping operation.

All the instructions necessary to use Bee Economics are included in this document. It is important to have a basic understanding of Microsoft® Excel before using Bee Economics.

Bee Economics consists of several modules that are linked together so that information entered in one module flows to appropriate sections of other modules. The modules are identified in the section called Description of Modules. Information about entering data and using Bee Economics is included in Getting Started. Helpful hints for the Bee Planner Module, an effective forecasting tool, are included in the section called Hints for the Bee Planner Module. Finally, the records and economic analysis of a sample beekeeping operation are included in the section, Sample Model Output.

The minimum requirements to use Bee Economics on an IBM compatible machine are a 386 machine, 4 megs of RAM, Windows 3.1, and Microsoft® Excel 4.0. The minimum requirements to use Bee Economics on a Macintosh machine are 4 megs of RAM and Microsoft® Excel 4.0.

If you have any recommendations for improvements to, or questions about Bee Economics, please write or call Dr. Lois Schertz Willett at Department of Agricultural, Resource, and Managerial Economics, Cornell University, Ithaca, NY 14853-7801, 607-255-4489. She may also be contacted via Email at lsw2@cornell.edu.

DESCRIPTION OF MODULES

BEE PLANNER

Bee Planner allows you to forecast your beekeeping operation four years in the future or under four different scenarios. The first year (or scenario) is derived from information available in the Record Keeping module. Other scenarios are based on inflation rates and adjustment factors for product production, prices, and expenses. Current product adjustment factors are derived from economic analysis of nearly 50 beekeeping operations in the Northeast region. This economic analysis incorporates joint product production and externalities in the beekeeping industry.

The Bee Planner module consists of a single file BEEPLAN.XLS. Information for the Bee Planner module is derived from the Record Keeping module.

RECORD KEEPING

Record Keeping allows you to identify all revenue and expenses in your complete beekeeping operation. This module will generate financial statements, operating statements and assist you in determining your cash flow and net worth. This module was based on the work by Dr. M. T. Sanford, "A Study in Profitability for a Mid-Sized Beekeeping Operation" Circular 722, Institute of Food and Agricultural Sciences, University of Florida, August 1986.

The Record Keeping module consists of four (4) files: INVESTMT.XLS, EXPENSE.XLS, REVENUE.XLS, and CASHFLOW.XLS. Each file is linked to other files so that information can be updated quickly and efficiently.

The INVESTMT.XLS file contains information on investment in bees, buildings, land, fences, hives, machinery and equipment. Summary tables for depreciation, interest, and principal and interest payments are also included. In addition, the allocation of colonies between the enterprises is done in this file.

The EXPENSE.XLS file contains information on monthly and annual expenses incurred by each enterprise in the operation and the total operation. A summary of the allocation of the expenses is included in this file.

The REVENUE.XLS file includes revenues from product sales of the operation.

The CASHFLOW.XLS file presents the cash flow analysis and summary statistics for the entire beekeeping operation. Gross returns, operating profit, net profit and economic profit are calculated.

ENTERPRISE ANALYSIS

Enterprise Analysis allows you to analyze each enterprise in your beekeeping operation. Information for the enterprise analysis is derived from the Record Keeping module. Information on revenue, expenses, cash flow, gross returns, operating profit, net profit, and economic profit are presented for each enterprise and per hive and per pound of honey produced.

The Enterprise Analysis consists of a single file, ENTERPR.XLS. Information for the Enterprise Analysis is derived from the Record Keeping module.

GETTING STARTED

BACKING UP

Before using the program, please make a backup of Bee Economics or copy it to your hard disk. If you are not familiar with how to make a backup, refer to your computer's User Manual. Always use the backup copy or the copy on your hard disk when you are ready to work. Do not use the original computer disk.

INSTALLATION

Installation of Bee Economics can be done in a few easy steps. The steps are identified on the Installation Instructions that came with your Bee Economics disk.

ASSUMED KNOWLEDGE

Since Bee Economics is a program that requires Microsoft[®] Excel to operate, it is very important to have a basic understanding of Microsoft[®] Excel. Your knowledge of this spreadsheet will allow you to gain full use of the Bee Economics program to analyze your beekeeping operation.

PROTECTION

Each file has been protected (without a password). To change a file or adjust a formula, select Options, Unprotect Document. Click OK. Remember to Protect the document when you are done making changes.

ENTERING INFORMATION

To enter information into any of the files, use the enter key or tab key. These keys will take you from one unlocked cell to the next for easy data entry. Each unlocked cell can be identified by the line underneath it.

LINKING OF EACH MODULE

All of the modules are linked to each other. The information you enter in the Record Keeping module will flow to the Enterprise Analysis Module and the Bee Planner module. This linking provides you with information that can be viewed in a variety of ways. For example, you may wish to analyze your cash flow for the entire operation by looking at CASHFLOW.XLS. On the other hand, you may want to view the profitability of each enterprise in your operation by looking at ENTERPR.XLS.

CALCULATION

Due to the file sizes in Bee Economics, calculation has been turned off. To update calculation after data entry, press control =. For immediate update of information between files and modules as you enter data, remember to turn calculation on under the Options menu. If you turn calculation on, this will seriously impact the speed of data entry.

GETTING STARTED (continued)

UPDATING REFERENCES

If you get a message "Update references to unopened documents?", you should respond NO.

HINTS FOR THE BEE PLANNER MODULE

DIRECT COMPARISONS

The Bee Planner module has been designed to provide separate and distinct columns side by side for direct comparison of the alternatives that you establish. For example, different colony levels may be established for each column or the same colony level may be used for each year.

INFLATION FACTOR

There is an inflation factor for the second year through the fourth year. A factor other than 0.0% affects each monetary value in the planner. The inflation factor will not affect the level of colonies or products. Make sure you type a decimal point (period, before entering the Inflation Factor (i.e., 10 % should be entered as .1).

ADJUSTMENT FACTOR

The Adjustment Factor (Adj Factor column) can be different for each item. The factor affects the second year through the fourth year of each item. A factor other than 0.0% affects each year by the percentage amount. For example: If you expect your sugar expenses to increase 10% each year, type .1 for 10% on the sugar line's Adj Factor column. The following year's sugar expense will be automatically adjusted by 10%.

UNIQUE PRODUCT ADJUSTMENT FACTORS

Some of the products have separate adjustment factors for each year in the planner. These adjustment factors have been determined based on the responsiveness of beekeepers to product price changes. The factors were estimated from a national survey of beekeepers by Cornell University.

NO ADJUSTMENTS

If there is one year you don't want to increase by the Adj Factor, go to that year's column and type in the amount you want (doing this will erase the equation for the Adj Factor increase for that year).

CUMULATIVE IMPACT OF INFLATION AND ADJUSTMENT FACTORS

Using the Inflation Factor and the Adjustment Factor together has a cumulative effect. For example: 10% in Inflation Factor and 5% in Adjustment Factor results in an increase of 15%.

DEPRECIATION AND INTEREST

The Depreciation and Interest for the second, third and fourth year are derived from the investment worksheet, INVESTMT.XLS. Hence, these values will not be altered by the adjustment and the inflation factors in the Bee Planner module. If you are analyzing different scenarios, rather than different years, and you don't want the depreciation and interest to reflect the information in the INVESTMT.XLS worksheet, you should unprotect the Bee Planner and manually insert the depreciation and interest for each scenario.

SAMPLE MODEL OUTPUT

SAMPLE OPERATION

When Bee Economics is shipped, information for a sample operation is included. The following pages are the complete model output for this sample operation. You may find it useful to skim the model output prior to entering your information. Keep in mind that the majority of the information in the output is determined by Bee Economics. You do not have to enter all of this information for your operation. Each cell that requires information from you is underlined when you install and properly open the files in Bee Economics.

Description of Modules

DESCRIPTION OF MODULES

BEE PLANNER

Bee Planner allows you to forecast your beekeeping operation four years in the future or under four different scenarios. The first year (or scenario) is derived from information available in the Record Keeping module. Other scenarios are based on inflation rates and adjustment factors for product production, prices, and expenses. Current product adjustment factors are derived from economic analysis of nearly 50 beekeeping operations in the Northeast region. This economic analysis incorporates joint product production and externalities in the beekeeping industry.

The Bee Planner module consists of a single file BEEPLAN.XLS. Information for the Bee Planner module is derived from the Record Keeping module.

RECORD KEEPING

Record Keeping allows you to identify all revenue and expenses in your complete beekeeping operation. This module will generate financial statements, operating statements and assist you in determining your cash flow and net worth. This module was based on the work by Dr. M.T. Sanford, "A Study in Profitability for a Mid-Sized Beekeeping Operation" Circular 722, Institute of Food and Agricultural Sciences, University of Florida, August 1986.

The Record Keeping module consists of four (4) files: INVESTMT.XLS, EXPENSE.XLS, REVENUE.XLS, and CASHFLOW.XLS. Each file is linked to other files so that information can be updated quickly and efficiently.

The INVESTMT.XLS file contains information on investment in bees, buildings, land, fences, hives, machinery and equipment. Summary tables for depreciation, interest and principal and interest payments are also included. In addition, the allocation of colonies between the enterprises is done in this file.

The EXPENSE.XLS file contains information on monthly and annual expenses incurred by each enterprise in the operation and the total operation. A summary of the allocation of the expenses is included in this file.

The REVENUE.XLS file includes information on the revenues obtained from product sales of the operation.

The CASHFLOW.XLS file presents the cash flow analysis and summary statistics for the entire beekeeping operation. Gross returns, operating profit, net profit and economic profit are calculated.

ENTERPRISE ANALYSIS

Enterprise Analysis allows you to analyze each enterprise in your beekeeping operation. Information for the enterprise analysis is derived from the Record Keeping module. Information on revenue, expenses, cash flow, gross returns, operating profit, net profit, and economic profit are presented for each enterprise and per hive and per pound of honey produced.

The Enterprise Analysis consists of a single file, ENTERPR.XLS. Information for the Enterprise Analysis is derived from the Record Keeping module.

Instructions

BEE ECONOMICS INSTRUCTIONS

Developed by

Lois Schertz Willett, Dept. of Agricultural, Resource, and Managerial Economics
Cornell University, Ithaca, NY 14853 607-255-4489,
Nicholas W. Calderone, USDA/ARS, Bee Research Laboratory, Beltsville, MD 20705
Malcolm T. Sanford, Entomology and Nematology Dept., Univ. of Florida, Gainesville, FL 32601

Assistance was received from S. B. Willett, J. C. Bernard, and S. C. Czado

This project was funded, in part, by grant #LNE91-27 from the U.S. Department of Agriculture, Sustainable Agriculture, Research and Education Program to N. W. Calderone and L. S. Willett

© 1995 Lois Schertz Willett. All Rights Reserved.

A. INTRODUCTION

- 1 Welcome to Bee Economics. We hope you will find this economic package helpful in the analysis of your beekeeping operation.
- 2 All the instructions necessary to use Bee Economics are included in this document. It is important to have a basic understanding of Microsoft Excel before using Bee Economics.
- 3 Bee Economic consists of several modules that are linked together so that information entered in one module flows to appropriate sections of other modules. The modules are identified in the section called Description of Modules. Information about entering data and using Bee Economics is included in Getting Started. Helpful hints for the Bee Planner Module, an effective forecasting tool, are included in the section called Hints for the Bee Planner Module.
- 4 The minimum requirements to use Bee Economics on an IBM compatible machine are a 386 machine, 4 megs of RAM, Windows 3.1, and Microsoft Excel 4.0. The minimum requirements to use Bee Economics on a Macintosh machine are 4 megs of RAM and Microsoft Excel 4.0.
- 5 If you have any recommendations for improvements to, or questions about Bee Economics, please write or call Dr. Lois Schertz Willett at Department of Agricultural, Resource, and Managerial Economics, Cornell University, Ithaca, NY 14853-7801, 607-255-4489. She may also be contacted via Email at lsw2@cornell.edu.

B. GETTING STARTED

- 1 BACKING UP
Before using the program, please make a backup of Bee Economics or copy it to your hard disk. If you are not familiar with how to make a backup, refer to your computer's User Manual. Always use the backup copy or the copy on your hard disk when you are ready to work. Do not use the original computer disk.
- 2 INSTALLATION
Installation of Bee Economics can be done in a few easy steps. The steps are identified on the Installation Instructions that came with your Bee Economics disk.
- 3 ASSUMED KNOWLEDGE
Since Bee Economics is a program that requires Microsoft Excel to operate, it is very important to have a basic understanding of Microsoft Excel. Your knowledge of this spreadsheet will allow you to gain full use of the Bee Economics program to analyze your beekeeping operation.
- 4 PROTECTION
Each file has been protected (without a password). To change a file or adjust a formula, select Options, Unprotect Document. Click OK. Remember to Protect the document when you are done making changes.
- 5 ENTERING INFORMATION
To enter information into any of the files, use the enter key or tab key. These keys will take you from one unlocked cell to the next for easy data entry. Each unlocked cell can be identified by the line underneath it.

6 LINKING OF EACH MODULE

All of the modules are linked to each other. The information you enter in the Record Keeping module will flow to the Enterprise Analysis Module and the Bee Planner module. This linking provides you with information that can be viewed in a variety of ways. For example, you may wish to analyze your cash flow for the entire operation by looking at CASHFLOW.XLS. On the other hand, you may want to view the profitability of each enterprise in your operation by looking at ENTERPR.XLS.

7 CALCULATION

Due to the file sizes in Bee Economics, calculation has been turned off. To update calculation after data entry, press control =. For immediate update of information between files and modules as you enter data, remember to turn calculation on under the Options menu. If you turn calculation on, this will seriously impact the speed of data entry.

8 UPDATING REFERENCES

If you get a message "Update references to unopened documents?", you should respond NO.

C. HINTS FOR THE BEE PLANNER MODULE

1 DIRECT COMPARISONS

The Bee Planner module has been designed to provide separate and distinct columns side by side for direct comparison of the alternatives that you establish. For example, different colony levels may be established for each column or the same colony level may be used for each year.

2 INFLATION FACTOR

There is an inflation factor for the second year through the fourth year. A factor other than 0.0% affects each monetary value in the planner. The inflation factor will not affect the level of colonies or products. Make sure you type a decimal point (period, before entering the Inflation Factor (i.e., 10 % should be entered as .1).

3 ADJUSTMENT FACTOR

The Adjustment Factor (Adj Factor column) can be different for each item. The factor affects the second year through the fourth year of each item. A factor other than 0.0% affects each year by the percentage amount. For example: If you expect your sugar expenses to increase 10% each year, type .1 for 10% on the sugar line's Adj Factor column. The following year's sugar expense will be automatically adjusted by 10%.

4 UNIQUE PRODUCT ADJUSTMENT FACTORS

Some of the products have separate adjustment factors for each year in the planner. These adjustment factors have been determined based on the responsiveness of beekeepers to product price changes. The factors were estimated from a national survey of beekeepers by Cornell University.

5 NO ADJUSTMENTS

If there is one year you don't want to increase by the Adj Factor, go to that year's column and type in the amount you want (doing this will erase the equation for the Adj Factor increase for that year).

6 CUMULATIVE IMPACT OF INFLATION AND ADJUSTMENT FACTORS

Using the Inflation Factor and the Adjustment Factor together has a cumulative effect. For example: 10% in Inflation Factor and 5% in Adjustment Factor results in an increase of 15%.

7 DEPRECIATION AND INTEREST

The Depreciation and Interest for the second, third and fourth year are derived from the investment worksheet, INVESTMT.XLS. Hence, these values will not be altered by the adjustment and the inflation factors in the Bee Planner module. If you are analyzing different scenarios, rather than different years, and you don't want the depreciation and interest to reflect the information in the INVESTMT.XLS worksheet, you should unprotect the Bee Planner and manually insert the depreciation and interest for each scenario.

Bee Planner Module

BEE PLANNER

				1995	1996	1997	1998	Total		
Inflation Factor (none for first year):					0.02	0.02	0.02			
Colonies				Adj Factor						
Total Number of Colonies				0.0%	510	510	510	510		
Prices				Adj Factor						
Honey Price (\$/pound)				1.0%	0.75	0.77	0.79	0.82		
Pollination Price (\$/service)				0.5%	21.27	21.80	22.34	22.90		
Pollen Price (\$/pound)				0.0%	0.00	0.00	0.00	0.00		
Queen Price (\$/queen)				0.0%	0.00	0.00	0.00	0.00		
Other 1 Price (\$/unit)				0.0%	0.00	0.00	0.00	0.00		
Other 2 Price (\$/unit)				0.0%	0.00	0.00	0.00	0.00		
Products				95 Adjust	96 Adjust	97 Adjust				
Honey (pounds)				1.3%	1.3%	1.3%	56350.0	57064.2	57787.5	58519.9
Pollination (services)				5.0%	5.0%	5.0%	395.0	414.6	435.3	456.9
Pollen (pounds)				0.0%	0.0%	0.0%	0.0	0.0	0.0	0.0
Queens (# of queen)				0.0%	0.0%	0.0%	0.0	0.0	0.0	0.0
Other 1 (unit)				0.0%	0.0%	0.0%	0.0	0.0	0.0	0.0
Other 2 (unit)				0.0%	0.0%	0.0%	0.0	0.0	0.0	0.0
Revenue										
Honey				//////	42,062.50	43,873.49	45,762.45	47,732.74	179,431.18	
Pollination				//////	8,400.00	9,038.20	9,724.89	10,463.75	37,626.84	
Pollen				//////	0.00	0.00	0.00	0.00	0.00	
Queen				//////	0.00	0.00	0.00	0.00	0.00	
Other 1				//////	0.00	0.00	0.00	0.00	0.00	
Other 2				//////	0.00	0.00	0.00	0.00	0.00	
Total Revenue				//////	50,462.50	52,911.69	55,487.34	58,196.49	217,058.03	
Variable Expenses				Adj Factor						
Sugar				0.0%	3,072.50	3,133.95	3,196.63	3,260.56	12,663.64	
Medicine				0.0%	915.00	933.30	951.97	971.01	3,771.27	
Hired labor (production)				0.0%	2,797.75	2,853.71	2,910.78	2,968.99	11,531.23	
Truck costs (production)				0.0%	3,546.00	3,616.92	3,689.26	3,763.04	14,615.22	
Containers/labels				0.0%	8,794.00	8,969.88	9,149.28	9,332.26	36,245.42	
Queens				0.0%	1,880.00	1,917.60	1,955.95	1,995.07	7,748.62	
Repairs				0.0%	13.47	13.74	14.02	14.30	55.53	
Hired labor (packing)				0.0%	11.00	11.22	11.44	11.67	45.34	
Truck costs (packing)				0.0%	736.00	750.72	765.73	781.05	3,033.50	
Rent				0.0%	516.00	526.32	536.85	547.58	2,126.75	
Office Supplies				0.0%	276.00	281.52	287.15	292.89	1,137.56	
Tools				0.0%	300.00	306.00	312.12	318.36	1,236.48	
Accounting Service				0.0%	216.00	220.32	224.73	229.22	890.27	
Insurance				0.0%	1,500.00	1,530.00	1,560.60	1,591.81	6,182.41	
Real estate taxes				0.0%	900.00	918.00	936.36	955.09	3,709.45	
Advertising				0.0%	1,570.00	1,601.40	1,633.43	1,666.10	6,470.92	
Association and conventions				0.0%	480.00	489.60	499.39	509.38	1,978.37	
Lodging (production)				0.0%	1,590.00	1,621.80	1,654.24	1,687.32	6,553.36	
Heating, fuel				0.0%	516.00	526.32	536.85	547.58	2,126.75	
Other Expense				0.0%	0.00	0.00	0.00	0.00	0.00	
Other Expense				0.0%	0.00	0.00	0.00	0.00	0.00	
Other Expense				0.0%	0.00	0.00	0.00	0.00	0.00	
Other Expense				0.0%	0.00	0.00	0.00	0.00	0.00	
Total Variable Expenses				//////	29,629.72	30,222.32	30,826.76	31,443.30	122,122.10	
Fixed Expenses				Adj Factor						
Depreciation				//////	12,173.91	12,173.91	12,173.91	12,173.91	48,695.65	
Interest on Investment				//////	7,466.87	7,466.87	7,466.87	7,466.87	29,867.49	
Total Fixed Expenses				//////	19,640.79	19,640.79	19,640.79	19,640.79	78,563.14	
Operator Expenses				Adj Factor						
Operator Labor - Production				0.0%	7,872.26	8,029.71	8,190.30	8,354.11	32,446.37	
Operator Labor- Packing				0.0%	716.00	730.32	744.93	759.82	2,951.07	
Total Operator Expenses				//////	8,588.26	8,760.03	8,935.23	9,113.93	35,397.44	
Total Expenses				//////	57,858.77	58,623.13	59,402.77	60,198.01	236,082.68	
Total Operating Profit=Revenue-Variable Exp				//////	20,832.78	22,689.37	24,660.58	26,753.20	94,935.93	
Operating Profit/Colony				//////	40.85	44.49	48.35	52.46	186.15	
Operating Profit/Pound of Honey				//////	0.37	0.40	0.43	0.46	1.65	
Net Profit = Revenue-Variable Exp-Fixed Exp				//////	1,191.99	3,048.59	5,019.79	7,112.41	16,372.78	
Net Profit/Colony				//////	2.34	5.98	9.84	13.95	32.10	
Net Profit/Pound of Honey				//////	0.02	0.05	0.09	0.12	0.28	
Economic Profit = Revenue-Operator Exp				//////	(7,396.27)	(5,711.44)	(3,915.43)	(2,001.52)	(19,024.66)	
Economic Profit/Colony				//////	(14.50)	(11.20)	(7.68)	(3.92)	(37.30)	
Economic Profit/Pound of Honey				//////	(0.13)	(0.10)	(0.07)	(0.03)	(0.33)	

Calculation of Product Adjustment Factors
Based on Elasticities and Product Price Changes

Elasticities	Prices (across)		
	Honey	Pollination	Wax
Honey	0.12	0.36	(0.05)
Pollination	0.12	1.84	(0.49)
Wax	0.00	0.00	0.00

Price Changes	1994-95	1995-96	1996-97
Honey	3.0%	3.0%	3.0%
Pollination	2.5%	2.5%	2.5%
Wax			

Adjustment Factor	1994-95	1995-96	1996-97
Honey	1.3%	1.3%	1.3%
Pollination	5.0%	5.0%	5.0%
Wax			

Record Keeping Module

Investment

This INVESTMT.XLS file contains information on investment in bees, buildings, land, fence, hives, machinery and equipment. Summary tables for depreciation, interest and cash flow analysis are also included.

ANNUAL SUMMARY OF DEPRECIATION AND INTEREST

	Replacement Value	Inv. Cost per Hive	Percent of Investment	Trade in Value	Years	Annual Depreciation	Annual Interest
Building	43,350	85.00	30%	0	18	2,408	2,168
Hives	67,900	133.14	47%	0	10	6,790	3,395
Bees	9,000	17.65	6%	0		0	450
Mach & equip	23,255	45.60	16%	3,740	MISC	2,954	1,350
Fences	217	0.43	0%	0	10	22	11
Land	1,875	3.68	1%	1,875		0	94
Total	145,597	285.49	100%	5,615		12,174	7,467

ANNUAL SUMMARY OF FINANCIAL INVESTMENT AND CASH FLOW ANALYSIS

Total invest	145,597		
DownPayment	19,835		
Amt to Finance	125,763		
Interest Rate	5%		
Months to Finance	60		
Monthly Payment	2,373		
Payment	Principal	Interest	Balance
Jan	1,849	524	123,913
Feb	1,857	516	122,056
Mar	1,865	509	120,192
Apr	1,872	501	118,319
May	1,880	493	116,439
Jun	1,888	485	114,551
Jul	1,896	477	112,655
Aug	1,904	469	110,751
Sep	1,912	461	108,839
Oct	1,920	453	106,919
Nov	1,928	445	104,991
Dec	1,936	437	103,055
Total	22,707	5,772	

BEE INVESTMENT	
Number of packages(new colonies)	500
Price per package	18.00
Total package costs	9,000
Other costs	0
Other costs	0
Total investment in bees	9,000
Trade in value	0
Annual depreciation	0
Annual interest	450

BUILDING INVESTMENT	
Number of square feet	2,500
Amount per square foot	17.00
Total building value	42,500
Electrical System	300
Air & Heating System	100
Plumbing	200
Truck doors	250
Other costs	0
Other costs	0
Total building investment	43,350
Trade in value	0
Years to depreciate	18
Annual depreciation	2,408
Annual interest	2,168

LAND INVESTMENT	
Land investment	1,875
Other costs	0
Other costs	0
Total land investment	1,875
Trade in value	1,875
Annual depreciation	0
Annual interest	94

FENCE INVESTMENT				Percent of
Item	# Units	Cost/Unit	Total Cost	Cost
Roll wire	1.0	15.00	15	7%
Posts	14.0	7.85	110	51%
Insulators	56.0	0.26	15	7%
Fencer	1.0	50.00	50	23%
Labor	5.0	6.00	28	13%
Other	0.0	0.00	0	0%
Other	0.0	0.00	0	0%
Total			217	100%
Total fence investment	217			
Trade in value	0			
Years to depreciate	10			
Annual depreciation	22			
Annual interest	11			

HIVE INVESTMENT

Item	# Units	Cost/unit	Total Cost	Percent of Cost
Hive Parts				
Hive bottom board	500.0	4.80	2,400	4%
Standard super	2500.0	5.80	14,500	22%
Standard frames	25000.0	0.42	10,500	16%
Standard sheets foundation	25000.0	0.70	17,500	26%
Shallow super	0.0	5.00	0	0%
Shallow frames	0.0	0.40	0	0%
Shallow sheets foundation	0.0	0.70	0	0%
Rabbits	5000.0	0.25	1,250	2%
Inner cover	500.0	3.00	1,500	2%
Outer cover	500.0	3.00	1,500	2%
Entrance reducer	500.0	0.25	125	0%
Queen excluder	500.0	2.00	1,000	2%
Skunk guard	500.0	2.00	1,000	2%
Hive stand	500.0	1.00	500	1%
Colony pallet	500.0	10.00	5,000	8%
Paint	0.0	5.00	0	0%
Wood preservative	0.0	5.00	0	0%
Labor	2500.0	3.85	9,625	14%
Other	0.0	0.00	0	0%
Other	0.0	0.00	0	0%
Other	0.0	0.00	0	0%
Total Hive Parts			66,400	100%
Purchased Colonies	10	150	1,500	
Mating Hives	0	150	0	
Total hive investment	67,900			
Trade in value	0			
Years to depreciate	10			
Annual depreciation	6,790			
Annual interest	3,395			

COLONY ALLOCATION

Total colonies	510	
	Number	Percent
Colony allocation		
Colonies dedicated to honey production	400	78%
Colonies dedicated to pollination services	50	10%
Colonies dedicated to honey & pollination services	60	12%
Colonies dedicated to pollen	0	0%
Colonies dedicated to queen production	0	0%
Colonies dedicated to other	0	0%
Colonies dedicated to other	0	0%
Total Colony Allocation	510	100%

MACHINERY AND EQUIPMENT INVESTMENT

	Replacement Value	Salvage Value	Year Class	Deprec. Value	Annual Depreciation	Annual Interest	
LIGHT GENERAL PURPOSE TRUCK							
Truck	5,000	900	4	4,100		295	
Other	0	0	4	0		0	
Other	0	0	4	0		0	
Total	5,000	900	4	4,100	1,025	295	
Total cost for estimation of repair costs							5,000
HEAVY GENERAL PURPOSE TRUCK & TRAILER							
Heavy Truck	5,000	840	6	4,160		292	
Trailer	2,000	350	6	1,650		118	
Other	0	0	6	0		0	
Other	0	0	6	0		0	
Total	7,000	1,190	6	5,810	968	410	
Total cost for estimation of repair costs							7,000
OTHER MACHINERY & EQUIPMENT							
Extractor	1,700	510	10	1,190		111	
Uncapper	100	0	10	100		5	
Whirl dry or cappings drier	1,200	360	10	840		78	
Brand melter	800	50	10	750		43	
Sump pump tank	500	50	10	450		28	
Honey tanks size 1	620	180	10	440		40	
Honey tanks size 2	0	0	10	0		0	
Boiler	50	0	10	50		3	
Syrup feeder	500	0	10	500		25	
Moving screens	600	0	10	600		30	
Batteries	200	0	10	200		10	
Bee blower	450	0	10	450		23	
Storage containers	1,835	0	10	1,835		92	
Honey gates	100	0	10	100		5	
Honey pump 1	1,500	400	10	1,100		95	
Honey pump 2	0	0	10	0		0	
Tubing	100	0	10	100		5	
Honey filter	500	50	10	450		28	
Honey bottler	500	50	10	450		28	
Pollen traps	0	0	10	0		0	
Forklift	0	0	10	0		0	
Section honey equipment	0	0	10	0		0	
Other	0	0	10	0		0	
Other	0	0	10	0		0	
Other	0	0	10	0		0	
Total	11,255	1,650	10	9,605	961	645	
Total cost for estimation of repair costs							11,255
Totals for Annual Summary:	23,255	3,740		19,515	2,954	1,350	

Expense

MONTHLY EXPENSES FOR POLLINATION ENTERPRISE

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual	% of Till Cost	Per Hive	Per lb of Honey
Expenses Excluding Operator Labor																
Sugar																
Granulated	140	10	0	0	0	0	155	0	0	0	0	0	305	4%	0.60	0.01
HFCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Total	140	10	0	0	0	0	155	0	0	0	0	0	305	4%	0.60	0.01
Medicine																
Antibiotics	4	0	0	0	0	0	0	100	0	0	0	0	104	1%	0.20	0.00
Mite control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Nosema control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Total	4	0	0	0	0	0	0	100	0	0	0	0	104	1%	0.20	0.00
Hired labor (prod)	20	3	40	40	20	20	1	20	2	40	40	0	246	3%	0.48	0.00
Truck costs (prod)	48	6	256	192	256	160	64	96	48	0	192	0	1,318	19%	2.58	0.02
Containers/labels	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Queens	0	40	0	0	0	0	0	150	0	0	0	0	190	3%	0.37	0.00
Repairs	0	0	0	0	0	0	0	0	0	0	0	0	1	0%	0.00	0.00
Hired labor (pack)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Truck costs (pack)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Rent	5	5	5	5	5	5	5	5	5	5	5	5	60	1%	0.12	0.00
Office supplies	5	5	5	5	5	5	5	5	5	5	5	5	60	1%	0.12	0.00
Tools	4	4	4	4	4	4	4	4	4	4	4	4	48	1%	0.09	0.00
Accounting service	0	0	0	0	0	0	0	0	0	0	10	10	20	0%	0.04	0.00
Insurance	0	0	0	0	0	0	0	0	0	0	500	0	500	7%	0.98	0.01
Real estate taxes	0	0	0	0	0	100	0	0	0	0	0	100	200	3%	0.39	0.00
Advertising	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Assoc & conventions	20	0	0	0	0	20	0	0	0	0	0	0	40	1%	0.08	0.00
Lodging (prod)	0	0	240	80	160	160	0	0	0	0	0	0	640	9%	1.25	0.01
Heating, fuel	5	5	5	5	5	5	5	5	5	5	5	5	60	1%	0.12	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Total	251	78	555	331	455	479	239	385	69	59	761	129	3,792	54%	7.44	0.07
Operator Labor																
Production	65	50	100	100	150	200	200	200	100	50	50	50	1,315	19%	2.58	0.02
Packing	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Total	65	50	100	100	150	200	200	200	100	50	50	50	1,315	19%	2.58	0.02
Depreciation and Interest on Investment																
Depreciation													1,194	17%	2.34	0.02
Interest													732	10%	1.44	0.01
Total													1,926	27%	3.78	0.03
Total Expenses	316	128	655	431	605	679	439	585	169	109	811	179	7,033	100%	13.79	0.12

MONTHLY EXPENSES FOR HONEY AND POLLINATION ENTERPRISE

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual	% of Ttl Cost	Per Hive	Per lb of Honey
Expenses Excluding Operator Labor																
Sugar																
Granulated	140	10	0	0	0	0	155	0	0	0	0	0	305	5%	0.60	0.01
HFCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Total	140	10	0	0	0	0	155	0	0	0	0	0	305	5%	0.60	0.01
Medicine																
Antibiotics	4	0	0	0	0	0	0	100	0	0	0	0	104	2%	0.20	0.00
Mite control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Nosema control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Total	4	0	0	0	0	0	0	100	0	0	0	0	104	2%	0.20	0.00
Hired labor (prod)	20	3	40	40	20	20	1	20	2	40	40	0	246	4%	0.48	0.00
Truck costs (prod)	48	6	256	192	100	50	64	96	48	0	50	0	910	14%	1.78	0.02
Containers/labels	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Queens	0	40	0	0	0	0	0	150	0	0	0	0	190	3%	0.37	0.00
Repairs	0	0	0	0	0	0	0	0	0	0	0	0	2	0%	0.00	0.00
Hired labor (pack)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Truck costs (pack)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Rent	5	5	5	5	5	5	5	5	5	5	5	5	60	1%	0.12	0.00
Office supplies	5	5	5	5	5	5	5	5	5	5	5	5	60	1%	0.12	0.00
Tools	4	4	4	4	4	4	4	4	4	4	4	4	48	1%	0.09	0.00
Accounting service	0	0	0	0	0	0	0	0	0	0	10	10	20	0%	0.04	0.00
Insurance	0	0	0	0	0	0	0	0	0	0	500	0	500	7%	0.98	0.01
Real estate taxes	0	0	0	0	0	100	0	0	0	0	0	100	200	3%	0.39	0.00
Advertising	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Assoc & conventions	20	0	0	0	0	20	0	0	0	0	0	0	40	1%	0.08	0.00
Lodging (prod)	0	0	100	80	50	80	0	0	0	0	0	0	310	5%	0.61	0.01
Heating, fuel	5	5	5	5	5	5	5	5	5	5	5	5	60	1%	0.12	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Total	251	78	415	331	189	289	239	365	69	59	619	129	3,055	46%	5.99	0.05
Operator Labor																
Production	65	50	100	100	150	200	200	200	100	50	50	50	1,315	20%	2.58	0.02
Packing	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Total	65	50	100	100	150	200	200	200	100	50	50	50	1,315	20%	2.58	0.02
Depreciation and Interest on Investment																
Depreciation													1,432	21%	2.81	0.03
Interest													878	13%	1.72	0.02
Total													2,311	35%	4.53	0.04
Total Expenses	316	128	515	431	339	489	439	585	169	109	669	179	6,680	100%	13.10	0.12

MONTHLY EXPENSES FOR POLLEN ENTERPRISE													% of Ttl	Per	Per lb of	
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual	Cost	Hive	Honey
Expenses Excluding Operator Labor																
Sugar																
Granulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
HFCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Medicine																
Antibiotics	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Mite control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Nosema control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Hired labor (prod)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Truck costs (prod)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Containers/labels	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Queens	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Repairs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Hired labor (pack)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Truck costs (pack)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Rent	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Office supplies	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Tools	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Accounting service	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Insurance	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Real estate taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Advertising	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Assoc & conventions	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Lodging (prod)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Heating, fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Operator Labor																
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Packing	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Depreciation and Interest on Investment																
Depreciation													0	0%	0.00	0.00
Interest													0	0%	0.00	0.00
Total													0	0%	0.00	0.00
Total Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00

MONTHLY EXPENSES FOR QUEEN ENTERPRISE														% of Ttl	Per	Per lb of	
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual	Cost	Hive	Honey	
Expenses Excluding Operator Labor																	
Sugar																	
Granulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
HFCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Medicine																	
Antibiotics	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Mite control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Nosema control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Hired labor (prod)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Truck costs (prod)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Containers/labels	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Queens	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Repairs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Hired labor (pack)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Truck costs (pack)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Rent	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Office supplies	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Tools	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Accounting service	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Insurance	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Real estate taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Advertising	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Assoc & conventions	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Lodging (prod)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Heating, fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Operator Labor																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Packing	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Depreciation and Interest on Investment																	
Depreciation														0	0%	0.00	0.00
Interest														0	0%	0.00	0.00
Total														0	0%	0.00	0.00
Total Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	

MONTHLY EXPENSES FOR OTHER 1 ENTERPRISE													% of Till	Per	Per lb of		
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual	Cost	Hive	Honey	
Expenses Excluding Operator Labor																	
Sugar														0%	0.00	0.00	
Granulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
HFCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Medicine														0%	0.00	0.00	
Antibiotics	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Mite control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Nosema control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Hired labor (prod)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Truck costs (prod)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Containers/labels	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Queens	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Repairs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Hired labor (pack)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Truck costs (pack)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Rent	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Office supplies	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Tools	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Accounting service	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Insurance	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Real estate taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Advertising	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Assoc & conventions	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Lodging (prod)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Heating, fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Operator Labor																	
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Packing	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	
Depreciation and Interest on Investment																	
Depreciation														0	0%	0.00	0.00
Interest														0	0%	0.00	0.00
Total														0	0%	0.00	0.00
Total Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00	

MONTHLY EXPENSES FOR OTHER 2 ENTERPRISE														% of Til	Per	Per lb of
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual	Cost	Hive	Honey
Expenses Excluding Operator Labor																
Sugar																
Granulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
HFCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Medicine																
Antibiotics	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Mite control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Nosema control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Hired labor (prod)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Truck costs (prod)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Containers/labels	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Queens	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Repairs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Hired labor (pack)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Truck costs (pack)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Rent	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Office supplies	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Tools	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Accounting service	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Insurance	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Real estate taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Advertising	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Assoc & conventions	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Lodging (prod)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Heating, fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Operator Labor																
Production	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Packing	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Depreciation and Interest on Investment																
Depreciation													0	0%	0.00	0.00
Interest													0	0%	0.00	0.00
Total													0	0%	0.00	0.00
Total Expenses	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00

MONTHLY EXPENSES FOR ALL ENTERPRISES

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual	% of Til Cost	Per Hive	Per lb of Honey
Expenses Excluding Operator Labor																
Sugar																
Granulated	1,405	108	0	0	0	0	1,560	0	0	0	0	0	3,073	5%	6.02	0.05
HFCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Total	1,405	108	0	0	0	0	1,560	0	0	0	0	0	3,073	5%	6.02	0.05
Medicine																
Antibiotics	35	0	0	0	0	0	0	880	0	0	0	0	915	2%	1.79	0.02
Mite control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Nosema control	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Total	35	0	0	0	0	0	0	880	0	0	0	0	915	2%	1.79	0.02
Hired labor (prod)	175	24	400	425	506	198	9	186	15	430	430	0	2,798	5%	5.49	0.05
Truck costs (prod)	144	18	768	576	612	370	192	288	144	0	434	0	3,546	6%	6.95	0.06
Containers/labels	0	0	0	0	0	0	4,397	4,397	0	0	0	0	8,794	15%	17.24	0.16
Queens	0	330	0	0	0	0	0	1,550	0	0	0	0	1,880	3%	3.69	0.03
Repairs	1	1	1	1	1	1	1	1	1	1	1	1	13	0%	0.03	0.00
Hired labor (pack)	0	0	0	0	0	0	0	0	0	0	11	0	11	0%	0.02	0.00
Truck costs (pack)	0	0	0	0	0	0	0	0	0	368	368	0	736	1%	1.44	0.01
Rent	43	43	43	43	43	43	43	43	43	43	43	43	516	1%	1.01	0.01
Office supplies	23	23	23	23	23	23	23	23	23	23	23	23	276	0%	0.54	0.00
Tools	25	25	25	25	25	25	25	25	25	25	25	25	300	1%	0.59	0.01
Accounting service	0	0	0	0	0	0	0	0	0	0	108	108	216	0%	0.42	0.00
Insurance	0	0	0	0	0	0	0	0	0	0	1,500	0	1,500	3%	2.94	0.03
Real estate taxes	0	0	0	0	0	450	0	0	0	0	0	450	900	2%	1.76	0.02
Advertising	0	0	0	0	0	0	0	0	785	785	0	0	1,570	3%	3.08	0.03
Assoc & conventions	240	0	0	0	0	240	0	0	0	0	0	0	480	1%	0.94	0.01
Lodging (prod)	0	0	580	240	370	400	0	0	0	0	0	0	1,590	3%	3.12	0.03
Heating, fuel	43	43	43	43	43	43	43	43	43	43	43	43	516	1%	1.01	0.01
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0%	0.00	0.00
Total	2,134	615	1,883	1,376	1,623	1,793	6,293	7,436	1,079	1,718	2,986	693	29,830	51%	58.10	0.53
Operator Labor																
Production	631	161	794	841	1,197	660	413	961	355	750	750	360	7,872	14%	15.44	0.14
Packing	0	0	0	0	0	0	0	0	0	358	358	0	716	1%	1.40	0.01
Total	631	161	794	841	1,197	660	413	961	355	1,108	1,108	360	8,588	15%	16.84	0.15
Depreciation and Interest on Investment																
Depreciation													12,174	21%	23.87	0.22
Interest													7,467	13%	14.64	0.13
Total													19,641	34%	38.51	0.35
Total Expenses	2,764	775	2,677	2,217	2,820	2,453	6,706	8,397	1,434	2,826	4,094	1,053	57,859	100%	113.45	1.03

ALLOCATION OF EXPENSES							
	Honey	Pollination	Hon & Poll	Pollen	Queen	Other1	Other2
Expenses Excluding Operator Labor							
Sugar							
Granulated	80%	10%	10%	0%	0%	0%	0%
HFCS	0%	0%	0%	0%	0%	0%	0%
Total	80%	10%	10%	0%	0%	0%	0%
Medicine							
Antibiotics	77%	11%	11%	0%	0%	0%	0%
Mite control	0%	0%	0%	0%	0%	0%	0%
Nosema control	0%	0%	0%	0%	0%	0%	0%
Other	0%	0%	0%	0%	0%	0%	0%
Total	77%	11%	11%	0%	0%	0%	0%
Hired labor (prod)	82%	9%	9%	0%	0%	0%	0%
Truck costs (prod)	37%	37%	26%	0%	0%	0%	0%
Containers/labels	100%	0%	0%	0%	0%	0%	0%
Queens	80%	10%	10%	0%	0%	0%	0%
Repairs	78%	10%	12%	0%	0%	0%	0%
Hired labor (pack)	100%	0%	0%	0%	0%	0%	0%
Truck costs (pack)	100%	0%	0%	0%	0%	0%	0%
Rent	77%	12%	12%	0%	0%	0%	0%
Office supplies	57%	22%	22%	0%	0%	0%	0%
Tools	68%	16%	16%	0%	0%	0%	0%
Accounting service	81%	9%	9%	0%	0%	0%	0%
Insurance	33%	33%	33%	0%	0%	0%	0%
Real estate taxes	56%	22%	22%	0%	0%	0%	0%
Advertising	100%	0%	0%	0%	0%	0%	0%
Assoc & conventions	83%	8%	8%	0%	0%	0%	0%
Lodging (prod)	40%	40%	19%	0%	0%	0%	0%
Heating, fuel	77%	12%	12%	0%	0%	0%	0%
Other costs	0%	0%	0%	0%	0%	0%	0%
Other costs	0%	0%	0%	0%	0%	0%	0%
Other costs	0%	0%	0%	0%	0%	0%	0%
Other costs	0%	0%	0%	0%	0%	0%	0%
Items for Cash Flow Analysis							
Beginning cash balance	78%	10%	12%	0%	0%	0%	0%
New capital investment	78%	10%	12%	0%	0%	0%	0%
Down payment (cash)	78%	10%	12%	0%	0%	0%	0%
New long-term borrowing	78%	10%	12%	0%	0%	0%	0%
Monthly long-term principal	78%	10%	12%	0%	0%	0%	0%
Long-term interest expense	78%	10%	12%	0%	0%	0%	0%
Operator labor (production)	67%	17%	17%	0%	0%	0%	0%
Operator labor (packing)	100%	0%	0%	0%	0%	0%	0%
Short-term borrowing	78%	10%	12%	0%	0%	0%	0%
Short-term principal	78%	10%	12%	0%	0%	0%	0%
Short-term interest expense	78%	10%	12%	0%	0%	0%	0%
Depreciation	78%	10%	12%	0%	0%	0%	0%
Interest on investment	78%	10%	12%	0%	0%	0%	0%

Revenue

This REVENUE.XLS file contains information on the revenues obtained from product sales of the operation.

PRODUCT REVENUE	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual	% of Ttl Rev
Honey - Honey Enterprise														
Price (\$/lb)	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.75	0.75	0.75		
Quantity (lbs)	10,600	0	0	0	0	0	0	0	11,000	11,000	11,500	11,000	55,100	
Revenue (\$)	7,950	0	0	0	0	0	0	0	8,250	8,250	8,625	8,250	41,325	82%
Honey- Honey and Pollination Enterprise														
Price (\$/lb)	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.60	0.60	0.60		
Quantity (lbs)	250	0	0	0	0	0	0	0	250	250	250	250	1,250	
Revenue (\$)	138	0	0	0	0	0	0	0	150	150	150	150	738	1%
All Honey														
Quantity (lbs)	10,850	0	0	0	0	0	0	0	11,250	11,250	11,750	11,250	56,350	
Revenue (\$)	8,088	0	0	0	0	0	0	0	8,400	8,400	8,775	8,400	42,063	83%
Pollination- Pollination Enterprise														
Price (\$/service)	0.00	0.00	25.00	20.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Quantity (service)	0	0	50	75	100	0	0	0	0	0	0	0	225	
Revenue (\$)	0	0	1,250	1,500	2,000	0	0	0	0	0	0	0	4,750	9%
Pollination- Honey and Pollination Enterprise														
Price (\$/service)	0.00	0.00	25.00	20.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Quantity (service)	0	0	50	60	60	0	0	0	0	0	0	0	170	
Revenue (\$)	0	0	1,250	1,200	1,200	0	0	0	0	0	0	0	3,650	7%
All Pollination														
Quantity (services)	0	0	100	135	160	0	0	0	0	0	0	0	395	
Revenue (\$)	0	0	2,500	2,700	3,200	0	0	0	0	0	0	0	8,400	17%
Pollen														
Price (\$/pound)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Quantity (pound)	0	0	0	0	0	0	0	0	0	0	0	0	0	
Revenue (\$)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Queen														
Price (\$/queen)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Quantity (number)	0	0	0	0	0	0	0	0	0	0	0	0	0	
Revenue (\$)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Other 1														
Price (\$/unit)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Quantity (units)	0	0	0	0	0	0	0	0	0	0	0	0	0	
Revenue (\$)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Other 2														
Price (\$/unit)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Quantity (unit)	0	0	0	0	0	0	0	0	0	0	0	0	0	
Revenue (\$)	0	0	0	0	0	0	0	0	0	0	0	0	0	0%
Total Revenue (\$)	8,088	0	2,500	2,700	3,200	0	0	0	8,400	8,400	8,775	8,400	50,463	100%

Cashflow

This CASHFLOW.XLS file presents the cash flow analysis and summary statistics for the entire beekeeping operation.

CASH FLOW	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual	Per Hive	Per lb of Honey
Cash Inflow															
Honey - Honey Enterprise	7,950	0	0	0	0	0	0	0	8,250	8,250	8,625	8,250	41,325	81.03	0.73
Honey - Honey & Pollin Enterprise	138	0	0	0	0	0	0	0	150	150	150	150	738	1.45	0.01
Pollination - Pollination Enterprise	0	0	1,250	1,500	2,000	0	0	0	0	0	0	0	4,750	9.31	0.08
Pollination - Honey & Pollin Enter	0	0	1,250	1,200	1,200	0	0	0	0	0	0	0	3,650	7.16	0.06
Pollen	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Queen	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Other 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Other 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Total	8,088	0	2,500	2,700	3,200	0	0	0	8,400	8,400	8,775	8,400	50,463	98.95	0.90
Cash Outflow															
Sugar															
Granulated	1,405	108	0	0	0	0	1,560	0	0	0	0	0	3,073	6.02	0.05
HFCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Total	1,405	108	0	0	0	0	1,560	0	0	0	0	0	3,073	6.02	0.05
Medicine															
Antibiotics	35	0	0	0	0	0	0	880	0	0	0	0	915	1.79	0.02
Mite control	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Nosema control	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Total	35	0	0	0	0	0	0	880	0	0	0	0	915	1.79	0.02
Hired labor (prod)	175	24	400	425	506	198	9	186	15	430	430	0	2,798	5.49	0.05
Truck costs (prod)	144	18	768	576	612	370	192	288	144	0	434	0	3,546	6.95	0.06
Containers/labels	0	0	0	0	0	0	4,397	4,397	0	0	0	0	8,794	17.24	0.16
Queens	0	330	0	0	0	0	0	1,550	0	0	0	0	1,880	3.69	0.03
Repairs	1	1	1	1	1	1	1	1	1	1	1	1	13	0.03	0.00
Hired labor (pack)	0	0	0	0	0	0	0	0	0	0	11	0	11	0.02	0.00
Truck costs (pack)	0	0	0	0	0	0	0	0	0	368	368	0	736	1.44	0.01
Rent	43	43	43	43	43	43	43	43	43	43	43	43	516	1.01	0.01
Office supplies	23	23	23	23	23	23	23	23	23	23	23	23	276	0.54	0.00
Tools	25	25	25	25	25	25	25	25	25	25	25	25	300	0.59	0.01
Accounting service	0	0	0	0	0	0	0	0	0	0	108	108	216	0.42	0.00
Insurance	0	0	0	0	0	0	0	0	0	0	1,500	0	1,500	2.94	0.03
Real estate taxes	0	0	0	0	0	450	0	0	0	0	0	450	900	1.76	0.02
Advertising	0	0	0	0	0	0	0	0	785	785	0	0	1,570	3.08	0.03
Assoc & conventions	240	0	0	0	0	240	0	0	0	0	0	0	480	0.94	0.01
Lodging (prod)	0	0	580	240	370	400	0	0	0	0	0	0	1,590	3.12	0.03
Heating, fuel	43	43	43	43	43	43	43	43	43	43	43	43	516	1.01	0.01
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Total	729	507	1,883	1,376	1,623	1,793	4,733	7,436	1,079	1,718	2,986	693	29,630	58.10	0.53
Total Cash Flow	7,359	(507)	617	1,324	1,577	(1,793)	(4,733)	(7,436)	7,321	6,682	5,789	7,707	23,905	46.87	0.42
Cash Flow Summary															
Net cash flow	7,359	(507)	617	1,324	1,577	(1,793)	(4,733)	(7,436)	7,321	6,682	5,789	7,707	23,905	46.87	0.42
+Beginning cash balance	0	4,355	1,314	(1,236)	(3,127)	(5,121)	(9,347)	(17,466)	(28,237)	(28,644)	(20,444)	(18,136)	0	0.00	0.00
-New capital investment	145,597	0	0	0	0	0	0	0	0	0	0	0	145,597	285.49	2.58
+Down payment (cash)	19,835	0	0	0	0	0	0	0	0	0	0	0	19,835	38.89	0.35
+New long-term borrowing	125,763	0	0	0	0	0	0	0	0	0	0	0	125,763	246.59	2.23
-Monthly long-term principal	1,849	1,857	1,865	1,872	1,880	1,888	1,896	1,904	1,912	1,920	1,928	1,936	22,707	44.52	0.40
-Long-term interest expense	524	516	509	501	493	485	477	469	461	453	445	437	5,772	11.32	0.10
-Operator labor (production)	631	161	794	841	1,197	660	413	961	355	750	360	7,872	15.44	0.14	
-Operator labor (packing)	0	0	0	0	0	0	0	0	0	358	358	0	716	1.40	0.01
+Short-term borrowing	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
-Short-term principal	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
-Short-term interest expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Ending Cash Balance	4,355	1,314	(1,236)	(3,127)	(5,121)	(9,947)	(17,466)	(28,237)	(28,644)	(20,444)	(18,136)	(18,136)	(18,136)	(25.81)	(0.23)
Accumulated Borrowings	123,389	121,016	118,643	116,269	113,896	111,523	109,150	106,776	104,403	102,030	99,656	97,283	97,283	190.75	1.73

SUMMARY OF RETURNS													Per	Per lb of	
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual	Hive	Honey
Gross return (cash inflow)													50,463	98.95	0.90
-Total expenses excluding operator labor (cash outflow)													29,630	58.10	0.53
=Operating profit (net cash flow)													20,833	40.85	0.37
-Depreciation													12,174	23.87	0.22
-Interest on investment													7,467	14.64	0.13
=Net Profit													1,192	2.34	0.02
-Operator labor													8,588	16.84	0.15
=Economic profit													(7,396)	(14.50)	(0.13)

Enterprise Analysis Module

This ENTERPR.XLS file presents the cash flow analysis and summary statistics for each enterprise in the entire beekeeping operation.

HONEY ENTERPRISE ANALYSIS													Per Enter	Per lb of	
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual	Hive	Honey
Cash Inflow															
Honey	7,950	0	0	0	0	0	0	0	8,250	8,250	8,625	8,250	41,325	103.31	0.73
Total	7,950	0	0	0	0	0	0	0	8,250	8,250	8,625	8,250	41,325	103.31	0.73
Cash Outflow															
Sugar															
Granulated	1,125	88	0	0	0	0	1,250	0	0	0	0	0	2,463	6.16	0.04
HFCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Total	1,125	88	0	0	0	0	1,250	0	0	0	0	0	2,463	6.16	0.04
Medicine															
Antibiotics	27	0	0	0	0	0	0	680	0	0	0	0	707	1.77	0.01
Mite control	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Nosema control	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Total	27	0	0	0	0	0	0	680	0	0	0	0	707	1.77	0.01
Hired labor (prod)	135	18	320	345	466	158	7	146	11	350	350	0	2,306	5.76	0.04
Truck costs (prod)	48	6	256	192	256	160	64	96	48	0	192	0	1,318	3.30	0.02
Containers/labels	0	0	0	0	0	0	4,397	4,397	0	0	0	0	8,794	21.99	0.16
Queens	0	250	0	0	0	0	0	1,250	0	0	0	0	1,500	3.75	0.03
Repairs	1	1	1	1	1	1	1	1	1	1	1	1	11	0.03	0.00
Hired labor (pack)	0	0	0	0	0	0	0	0	0	0	11	0	11	0.03	0.00
Truck costs (pack)	0	0	0	0	0	0	0	0	0	368	368	0	736	1.84	0.01
Rent	33	33	33	33	33	33	33	33	33	33	33	33	396	0.99	0.01
Office supplies	13	13	13	13	13	13	13	13	13	13	13	13	156	0.39	0.00
Tools	17	17	17	17	17	17	17	17	17	17	17	17	204	0.51	0.00
Accounting service	0	0	0	0	0	0	0	0	0	0	88	88	176	0.44	0.00
Insurance	0	0	0	0	0	0	0	0	0	0	500	0	500	1.25	0.01
Real estate taxes	0	0	0	0	0	250	0	0	0	0	0	250	500	1.25	0.01
Advertising	0	0	0	0	0	0	0	0	785	785	0	0	1,570	3.93	0.03
Assoc & conventions	200	0	0	0	0	200	0	0	0	0	0	0	400	1.00	0.01
Lodging (prod)	0	0	240	80	160	160	0	0	0	0	0	0	640	1.60	0.01
Heating, fuel	33	33	33	33	33	33	33	33	33	33	33	33	396	0.99	0.01
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Total	1,632	458	913	714	979	1,025	5,815	6,666	941	1,600	1,606	435	22,783	44.67	0.40
Total Cash Flow	6,318	(458)	(913)	(714)	(979)	(1,025)	(5,815)	(6,666)	7,309	6,650	7,019	7,815	18,542	36.36	0.33
Cash Flow Summary															
Net cash flow	6,318	(458)	(913)	(714)	(979)	(1,025)	(5,815)	(6,666)	7,309	6,650	7,019	7,815	18,542	36.36	0.33
+Beginning cash balance	0	3,956	1,576	(1,792)	(5,006)	(8,746)	(11,892)	(19,581)	(28,670)	(23,377)	(19,506)	(15,447)	0	0.00	0.00
-New capital investment	114,194	0	0	0	0	0	0	0	0	0	0	0	114,194	223.91	2.03
+Down payment (cash)	15,557	0	0	0	0	0	0	0	0	0	0	0	15,557	30.50	0.28
+New long-term borrowing	98,637	0	0	0	0	0	0	0	0	0	0	0	98,637	193.41	1.75
-Monthly long-term principal	1,450	1,456	1,463	1,469	1,475	1,481	1,487	1,493	1,499	1,506	1,512	1,518	17,809	34.92	0.32
-Long-term interest expense	411	405	399	393	387	381	374	368	362	356	349	343	4,527	8.88	0.08
-Operator labor (production)	501	61	594	641	897	260	13	561	155	650	650	260	5,242	10.28	0.09
-Operator labor (packing)	0	0	0	0	0	0	0	0	0	358	358	0	716	1.40	0.01
+Short-term borrowing	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
-Short-term principal	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
-Short-term interest expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Ending Cash Balance	3,956	1,576	(1,792)	(5,006)	(8,746)	(11,892)	(19,581)	(28,670)	(23,377)	(19,506)	(15,447)	(9,753)	(9,753)	(19.12)	(0.17)
Accumulated Borrowings	96,776	94,915	93,053	91,192	89,330	87,469	85,607	83,746	81,885	80,023	78,162	76,300	76,300	149.61	1.35
Gross return (cash inflow)													41,325	81.03	0.73
-Total expenses excluding operator labor (cash outflow)													22,783	44.67	0.40
=Operating profit (net cash flow)													18,542	36.36	0.33
-Depreciation													9,548	16.72	0.17
-Interest on investment													5,856	11.48	0.10
=Net Profit													3,138	6.15	0.06
-Operator labor													5,958	11.68	0.11
=Economic profit													(2,820)	(5.53)	(0.05)

POLLINATION ENTERPRISE ANALYSIS

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual	Per Enter	Per lb of	
Cash Inflow																
Honey	0	0	1,250	1,500	2,000	0	0	0	0	0	0	0	4,750	95.00	0.08	
Total	0	0	1,250	1,500	2,000	0	0	0	0	0	0	0	4,750	95.00	0.08	
Cash Outflow																
Sugar																
Granulated	140	10	0	0	0	0	155	0	0	0	0	0	305	8.10	0.01	
HFCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Total	140	10	0	0	0	0	155	0	0	0	0	0	305	8.10	0.01	
Medicine																
Antibiotics	4	0	0	0	0	0	0	100	0	0	0	0	104	2.08	0.00	
Mite control	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Nosema control	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Total	4	0	0	0	0	0	0	100	0	0	0	0	104	2.08	0.00	
Hired labor (prod)	20	3	40	40	20	20	1	20	2	40	40	0	246	4.92	0.00	
Truck costs (prod)	48	6	256	192	256	160	64	96	48	0	192	0	1,318	26.36	0.02	
Containers/labels	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Queens	0	40	0	0	0	0	0	150	0	0	0	0	190	3.80	0.00	
Repairs	0	0	0	0	0	0	0	0	0	0	0	0	1	0.03	0.00	
Hired labor (pack)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Truck costs (pack)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Rent	5	5	5	5	5	5	5	5	5	5	5	5	60	1.20	0.00	
Office supplies	5	5	5	5	5	5	5	5	5	5	5	5	60	1.20	0.00	
Tools	4	4	4	4	4	4	4	4	4	4	4	4	48	0.96	0.00	
Accounting service	0	0	0	0	0	0	0	0	0	0	10	10	20	0.40	0.00	
Insurance	0	0	0	0	0	0	0	0	0	0	500	0	500	10.00	0.01	
Real estate taxes	0	0	0	0	0	100	0	0	0	0	0	100	200	4.00	0.00	
Advertising	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Assoc & conventions	20	0	0	0	0	20	0	0	0	0	0	0	40	0.80	0.00	
Lodging (prod)	0	0	240	80	160	160	0	0	0	0	0	0	640	12.80	0.01	
Heating, fuel	5	5	5	5	5	5	5	5	5	5	5	5	60	1.20	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Total	251	78	555	331	455	479	239	385	69	59	761	129	3,792	75.85	0.07	
Total Cash Flow	(251)	(78)	695	1,169	1,545	(479)	(239)	(385)	(69)	(59)	(761)	(129)	958	19.15	0.02	
Cash Flow Summary																
Net cash flow	(251)	(78)	695	1,169	1,545	(479)	(239)	(385)	(69)	(59)	(761)	(129)	958	19.15	0.02	
+Beginning cash balance	0	(549)	(910)	(547)	289	1,451	539	(133)	(950)	(1,352)	(1,694)	(2,738)	0	0.00	0.00	
-New capital investment	14,274	0	0	0	0	0	0	0	0	0	0	0	14,274	285.49	0.25	
+Down payment (cash)	1,945	0	0	0	0	0	0	0	0	0	0	0	1,945	38.89	0.03	
+New long-term borrowing	12,330	0	0	0	0	0	0	0	0	0	0	0	12,330	246.59	0.22	
-Monthly long-term principal	181	182	183	184	184	185	186	187	187	188	189	190	2,228	44.52	0.04	
-Long-term interest expense	51	51	50	49	48	48	47	48	45	44	44	43	566	11.32	0.01	
-Operator labor (production)	65	50	100	100	150	200	200	200	100	50	50	50	1,315	26.30	0.02	
-Operator labor (packing)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
+Short-term borrowing	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-Short-term principal	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-Short-term interest expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Ending Cash Balance	(549)	(910)	(547)	289	1,451	539	(133)	(950)	(1,352)	(1,694)	(2,738)	(3,149)	(3,149)	(62.60)	(0.26)	
Accumulated Borrowings	12,097	11,864	11,632	11,399	11,166	10,934	10,701	10,468	10,236	10,003	9,770	9,538	9,538	190.75	0.17	
Gross return (cash inflow)													4,750	95.00	0.08	
-Total expenses excluding operator labor (cash outflow)													3,792	75.85	0.07	
=Operating profit (net cash flow)													958	19.15	0.02	
-Depreciation													1,194	23.87	0.02	
-Interest on investment													732	14.64	0.01	
=Net Profit													(968)	(19.38)	(0.22)	
-Operator labor													1,315	26.30	0.02	
=Economic profit													(2,283)	(45.85)	(0.24)	

HONEY AND POLLINATION ENTERPRISE ANALYSIS

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual	Per Enter	Per lb of
														Hive	Honey
Cash Inflow															
Honey	138	0	0	0	0	0	0	0	150	150	150	150	738	12.29	0.01
Pollination	0	0	1,250	1,200	1,200	0	0	0	0	0	0	0	3,650	60.83	0.06
Total	138	0	1,250	1,200	1,200	0	0	0	150	150	150	150	4,388	73.13	0.08
Cash Outflow															
Sugar															
Granulated	140	10	0	0	0	0	155	0	0	0	0	0	305	5.08	0.01
HFCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Total	140	10	0	0	0	0	155	0	0	0	0	0	305	5.08	0.01
Medicine															
Antibiotics	4	0	0	0	0	0	0	100	0	0	0	0	104	1.73	0.00
Mite control	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Nosema control	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Total	4	0	0	0	0	0	0	100	0	0	0	0	104	1.73	0.00
Hired labor (prod)	20	3	40	40	20	20	1	20	2	40	40	0	246	4.10	0.00
Truck costs (prod)	48	6	256	192	100	50	64	96	48	0	50	0	910	15.17	0.02
Containers/labels	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Queens	0	40	0	0	0	0	0	150	0	0	0	0	190	3.17	0.00
Repairs	0	0	0	0	0	0	0	0	0	0	0	0	2	0.03	0.00
Hired labor (pack)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Truck costs (pack)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Rent	5	5	5	5	5	5	5	5	5	5	5	5	60	1.00	0.00
Office supplies	5	5	5	5	5	5	5	5	5	5	5	5	60	1.00	0.00
Tools	4	4	4	4	4	4	4	4	4	4	4	4	48	0.80	0.00
Accounting service	0	0	0	0	0	0	0	0	0	0	10	10	20	0.33	0.00
Insurance	0	0	0	0	0	0	0	0	0	0	500	0	500	8.33	0.01
Real estate taxes	0	0	0	0	0	100	0	0	0	0	0	100	200	3.33	0.00
Advertising	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Assoc & conventions	20	0	0	0	0	20	0	0	0	0	0	0	40	0.67	0.00
Lodging (prod)	0	0	100	80	50	80	0	0	0	0	0	0	310	5.17	0.01
Heating, fuel	5	5	5	5	5	5	5	5	5	5	5	5	60	1.00	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Total	251	78	415	331	189	289	239	385	69	59	619	129	3,055	50.81	0.05
Total Cash Flow	(114)	(78)	835	869	1,011	(289)	(239)	(385)	81	91	(469)	21	1,333	22.22	0.02
Cash Flow Summary															
Net cash flow	(114)	(78)	835	869	1,011	(289)	(239)	(385)	81	91	(469)	21	1,333	22.22	0.02
+Beginning cash balance	0	(458)	(915)	(411)	80	662	(107)	(935)	(1,698)	(1,988)	(2,226)	(3,024)	0	0.00	0.00
-New capital investment	17,129	0	0	0	0	0	0	0	0	0	0	0	17,129	285.48	0.30
+Down payment (cash)	2,334	0	0	0	0	0	0	0	0	0	0	0	2,334	38.89	0.04
+New long-term borrowing	14,796	0	0	0	0	0	0	0	0	0	0	0	14,796	246.59	0.26
-Monthly long-term principal	218	218	219	220	221	222	223	224	225	226	227	228	2,679	44.52	0.05
-Long-term interest expense	62	61	60	59	58	57	56	55	54	53	52	51	679	11.32	0.01
-Operator labor (production)	65	50	100	100	150	200	200	200	100	50	50	50	1,315	21.92	0.02
-Operator labor (packing)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
+Short-term borrowing	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
-Short-term principal	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
-Short-term interest expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00
Ending Cash Balance	(458)	(855)	(411)	80	662	(107)	(935)	(1,698)	(1,988)	(2,226)	(3,024)	(3,333)	(3,333)	(55.54)	(0.06)
Accumulated Borrowings	14,516	14,237	13,958	13,679	13,400	13,120	12,841	12,562	12,283	12,003	11,724	11,445	11,445	190.75	0.20
Gross return (cash inflow)															
-Total expenses excluding operator labor (cash outflow)													4,388	73.13	0.08
=Operating profit (net cash flow)													3,055	50.81	0.05
-Depreciation													1,432	23.87	0.03
-Interest on investment													878	14.64	0.02
=Net Profit													(378)	(6.33)	(0.02)
-Operator labor													1,315	21.92	0.02
=Economic profit													(2,293)	(38.21)	(0.03)

POLLEN ENTERPRISE ANALYSIS														Per Enter	Per lb of	
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual	Hive	Honey	
Cash Inflow																
Pollen	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Cash Outflow																
Sugar																
Granulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
HFCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Medicine																
Antibiotics	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Mite control	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Nosema control	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Hired labor (prod)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Truck costs (prod)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Containers/labels	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Queens	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Repairs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Hired labor (pack)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Truck costs (pack)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Rent	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Office supplies	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Tools	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Accounting service	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Insurance	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Real estate taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Advertising	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Assoc & conventions	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Lodging (prod)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Heating, fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Total Cash Flow	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Cash Flow Summary																
Net cash flow	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
+Beginning cash balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-New capital investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
+Down payment (cash)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
+New long-term borrowing	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-Monthly long-term principal	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-Long-term interest expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-Operator labor (production)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-Operator labor (packing)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
+Short-term borrowing	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-Short-term principal	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-Short-term interest expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Ending Cash Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Accumulated Borrowings	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Gross return (cash inflow)														0	0.00	0.00
-Total expenses excluding operator labor (cash outflow)														0	0.00	0.00
=Operating profit (net cash flow)														0	0.00	0.00
-Depreciation														0	0.00	0.00
-Interest on investment														0	0.00	0.00
=Net Profit														0	0.00	0.00
-Operator labor														0	0.00	0.00
=Economic profit														0	0.00	0.00

QUEEN ENTERPRISE ANALYSIS													Per Enter	Per lb of		
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual	Hive	Honey	
Cash Inflow																
Queens	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Cash Outflow																
Sugar																
Granulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
HFCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Medicine																
Antibiotics	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Mite control	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Nosema control	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Hired labor (prod)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Truck costs (prod)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Containers/labels	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Queens	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Repairs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Hired labor (pack)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Truck costs (pack)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Rent	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Office supplies	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Tools	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Accounting service	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Insurance	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Real estate taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Advertising	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Assoc & conventions	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Lodging (prod)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Heating, fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Total Cash Flow	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Cash Flow Summary																
Net cash flow	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
+Beginning cash balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-New capital investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
+Down payment (cash)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
+New long-term borrowing	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-Monthly long-term principal	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-Long-term interest expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-Operator labor (production)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-Operator labor (packing)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
+Short-term borrowing	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-Short-term principal	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-Short-term interest expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Ending Cash Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Accumulated Borrowings	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Gross return (cash inflow)														0	0.00	0.00
-Total expenses excluding operator labor (cash outflow)														0	0.00	0.00
=Operating profit (net cash flow)														0	0.00	0.00
-Depreciation														0	0.00	0.00
-Interest on investment														0	0.00	0.00
=Net Profit														0	0.00	0.00
-Operator labor														0	0.00	0.00
=Economic profit														0	0.00	0.00

OTHER 1 ENTERPRISE ANALYSIS													Per Enter	Per lb of		
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual	Hive	Honey	
Cash Inflow																
Other 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Cash Outflow																
Sugar																
Granulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
HFCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Medicine																
Antibiotics	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Mite control	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Nosema control	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Hired labor (prod)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Truck costs (prod)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Containers/labels	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Queens	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Repairs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Hired labor (pack)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Truck costs (pack)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Rent	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Office supplies	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Tools	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Accounting service	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Insurance	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Real estate taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Advertising	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Assoc & conventions	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Lodging (prod)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Heating, fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Total Cash Flow	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Cash Flow Summary																
Net cash flow	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
+Beginning cash balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-New capital investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
+Down payment (cash)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
+New long-term borrowing	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-Monthly long-term principal	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-Long-term interest expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-Operator labor (production)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-Operator labor (packing)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
+Short-term borrowing	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-Short-term principal	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-Short-term interest expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Ending Cash Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Accumulated Borrowings	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Gross return (cash inflow)														0	0.00	0.00
-Total expense excluding operator labor (cash outflow)														0	0.00	0.00
=Operating profit (net cash flow)														0	0.00	0.00
-Depreciation														0	0.00	0.00
-Interest on investment														0	0.00	0.00
=Net Profit														0	0.00	0.00
-Operator labor														0	0.00	0.00
=Economic profit														0	0.00	0.00

OTHER 2 ENTERPRISE ANALYSIS													Per Enter	Per lb of		
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual	Hive	Honey	
Cash Inflow																
Other 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Cash Outflow																
Sugar																
Granulated	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
HFCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Medicine																
Antibiotics	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Mite control	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Nosema control	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Hired labor (prod)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Truck costs (prod)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Containers/labels	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Queens	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Repairs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Hired labor (pack)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Truck costs (pack)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Rent	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Office supplies	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Tools	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Accounting service	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Insurance	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Real estate taxes	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Advertising	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Assoc & conventions	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Lodging (prod)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Heating, fuel	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Other costs	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Total Cash Flow	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Cash Flow Summary																
Net cash flow	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
+Beginning cash balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-New capital investment	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
+Down payment (cash)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
+New long-term borrowing	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-Monthly long-term principal	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-Long-term interest expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-Operator labor (production)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-Operator labor (packing)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
+Short-term borrowing	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-Short-term principal	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
-Short-term interest expense	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Ending Cash Balance	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Accumulated Borrowings	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	
Gross return (cash inflow)														0	0.00	0.00
-Total expenses excluding operator labor (cash outflow)														0	0.00	0.00
=Operating profit (net cash flow)														0	0.00	0.00
-Depreciation														0	0.00	0.00
-Interest on investment														0	0.00	0.00
=Net Profit														0	0.00	0.00
-Operator labor														0	0.00	0.00
=Economic profit														0	0.00	0.00

OTHER A.R.M.E. EXTENSION BULLETINS

- | | | |
|-----------|---|--|
| No. 95-15 | Dairy Farm Business Summary
Central New York and Central Plain
Regions 1994 | Stuart F. Smith
Linda D. Putnam
Charles H. Cuykendall
Michael L. Stratton |
| No. 95-16 | Dairy Farm Business Summary
Southeastern New York Region 1994 | Stuart F. Smith
Linda D. Putnam
Stephen E. Hadcock
Larry R. Hulle
Colleen A. McKeon
Gerald J. Skoda |
| No. 95-17 | Dairy Farm Business Summary
Eastern Plateau Region 1994 | Robert A. Milligan
Linda D. Putnam
John S. Carlson
Carl A. Crispell
Karen Hoffman |
| No. 95-18 | Dairy Farm Business Summary
Northern Hudson Region 1994 | Stuart F. Smith
Linda D. Putnam
Cathy S. Wickswat
Anita W. Deming
David R. Wood |
| No. 95-19 | Dairy Farm Business Summary
Eastern New York Renter Summary 1994 | Stuart F. Smith
Linda D. Putnam |
| No. 95-20 | Seneca County's Local Governments:
Opportunities for Intergovernmental
Cooperation, Needs for Educational
and Technical Assistance | David Kay
Duane Wilcox |
| No. 95-21 | Farm Income Tax Management and
Reporting Reference Manual | Stuart F. Smith
Charles H. Cuykendall |
| No. 95-22 | Income Tax Implications for Farmers
Receiving New York City Watershed
Agricultural Program Payments | John M. Thurgood |
| No. 95-23 | New York Economic Handbook 1996
Agricultural Situation and Outlook | A.R.M.E. Staff |