

COMPREHENSIVE GUIDE TO FARM FINANCIAL MANAGEMENT

Acknowledgements and Table of Contents



Acknowledgements

The original "Taking Care of Business" workbook was developed as a classroom and home-based study course in the early 1990s.

Written by: Bonny Voice, B.S.H.Ec., B.Ed., and Les Voice, P. Ag.

Prepared by: Agriculture Institute of Management in Saskatchewan, Inc.

Published by: Saskatchewan Agriculture Development Fund

The contribution of the following organizations is gratefully acknowledged:

University of Saskatchewan, Department of Agriculture Economics

Saskatchewan Rural Development, Extension

Saskatchewan Agriculture and Food, Economics Branch

The Credit Unions of Saskatchewan

Portions of the text contained in this guide are reprinted with permission from:

Farming to Win

Published by Saskatchewan Agriculture Development Fund

Understanding Profit, The Business of Farming

Hoist, Karin, and Barlund, Doug, Farm Business Management Branch

Published by Home Study Program, Alberta Agriculture

Managing the Modern Farm Business

Bauer, Leonard, and McEvoy, Michael

Published by University of Alberta, Faculty of Extension

Instructional Design Consultant: Dr. Eugene Rubin, Athabasca University

Graphic Artist: Kathy McCoy

Copyright© 1991

Saskatchewan Agriculture Development Fund

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means whatsoever without prior permission of the copyright owners.

Table of Contents

What this Course is About1	2
How to Take the Course1	6
Introduction	
Taking Care of Business Performance Objectives Management - What is It? Why is Management Important? Management Activities	1 1 4
The Management Process - Decisions, Decisions, Decisions	7
Summary10	0
Module 1: Identifying Interests and Motivations	
Identifying Interests and Motivations 1-: Introduction 1-: Performance Objectives 1-:	2
Why Identify Interests and Motivations? 1-	3
Individual Interests and Motivations	
Identifying Goal Setting Areas	
Summary1-2	0
Module 2: Preparing a Net Worth Statement	
Preparing a Net Worth Statement	2
Introduction	2 2

The Net Worth Statement	2-3
Structure of the Net Worth Statement	2-4
Assets and Liabilities	2-4
Net Worth	2-5
Components of the Net Worth Statement	2-6
Assets	
Liabilities	
Net Worth	
Exercise 1	2-9
The Accounting Equation	2-10
Asset Classification	2-11
Current Assets	
Intermediate Assets	2-13
Fixed Assets	2-15
Exercise 2	2-17
Liability Classification	2-18
Current Liabilities	
Current Portion	2-19
Accrued Interest	
Intermediate Liabilities	2-22
Portion not Due	2-23
Long Term Liabilities	
Portion not Due	
Exercise 3	2-28
Exercise 4	2-29
Preparation of the Net Worth Statement	2-30
Asset Inventory Listing Categories	2-32
Cash on Hand	
Notes and Accounts Receivable Inventory	
Supplies Inventory	
Grain and Feed Inventory	
Market Livestock Inventory	
Breeding Livestock Inventory	
Machinery and Equipment Inventory	
Owned Land Inventory	

Rented Land Inventory	
Buildings and Improvements Inventory	2-41
Personal and Other Assets Inventory	
Liability Listing Categories	2-44
Current Liabilities	2-44
Operating Loan	
Accounts Payable	
Accrued Interest	
Intermediate Liabilities	
Long Term Liabilities	2-48
Net Worth Determination	2-49
Exercise 5	
Exercise 6	
Summary	2-60
Exercise Answers	
Exercise 1	
Exercise 2	
Exercise 3	
Exercise 4 Exercise 5	
Module 3 Developing Goal Statements	
Developing Goal Statements	3-2
Introduction	3-2
Performance Objectives	3-2
Developing Management Team Goals	3-3
What are Goals?	3-6
Why are Goals Important?	3-7
Why Set Separate Goals for the Farm and the Family?	3-8
What are Long Term Goals?	3-9
What are Short Term Goals?	3-11
That are offer form coale.	
How are Goals Written?	3-13

"SMART" Guide	3-14
"SMART" Activity	3-17
"SMART" Activity Answers	
Why are Goals Ranked?	3-22
What are Potential Goal Setting Areas for Your Farm and Family?	3-23
Activity	
Activity	
Individual Long Term Farm Goals	3-26
Activity	
Individual Short Term Farm Goals	3-29
Activity	
Individual Long Term Family Goals	3-32
Activity	
Individual Short Term Family Goals	
Activity	3-37
Management Team Goals	3-38
Management Team Long Term Farm Goals	3-41
Activity	
Management Team Short Term Farm Goals	3-44
Activity	
Management Team Long Term Family Goals	3-47
Activity	
Management Team Short Term Family Goals	3-50
Activity	
Summary	3-53
Module 4 Net Worth Statement Analysis	
Not Worth Statement Analysis	4.0
Net Worth Statement Analysis	
Performance Objectives	
Liquidity	

Liquidity Measures	4-7
Working Capital	
Exercise 7	4-9
Current Ratio	4-10
Exercise 8	4-12
Debt Structure Ratio	4-13
Exercise 9	4-14
Exercise 10	4-19
Solvency	4-20
Solvency Measures	4-21
Net Worth	
Debt Ratio	4-21
Exercise 11	4-24
Leverage Ratio	4-25
Exercise 12	
Exercise 13	4-29
The Balance Sheet	4-30
Summary	4-33
Exercise Answers	4-36
Exercise 7	4-37
Exercise 8	4-38
Exercise 9	4-39
Exercise 10	4-40
Exercise 11	4-41
Exercise 12	4-42
Module 5 Preparing Cash Flow Statements	
Preparing Cash Flow Statements	5-2
Introduction	
Performance Objectives	
The Cash Flow Statement	
Structure of the Cash Flow Statement	5-6
Cash Inflow	
Cash Outflow	
Cash Summary	
Types of Cash Flow Statements	5-10

Actual Cash Flow Statement	
Projected Cash Flow Statement	5-10
Components of the Cash Flow Statement	5-11
Cash Inflow	
Cash Outflow	
Cash Summary	5-14
Preparation of the Cash Flow Statement	5-15
Cash Inflow	
Cash Outflow	
Family Living Expense	
Cash Summary	
Average Cash Balance	
Interest Charged for Period	5-29
Exercise 14	5-31
Exercise 15	5-32
Summary	5-33
Exercise Answers	5-3/
Exercise 14	
Module 6 Goal Analysis	
Goal Analysis	6-2
Introduction	
Performance Objectives	
Cool Analysis Brasses	0.0
Goal Analysis Process	0-3
Making Goal Choices	6-4
Goal Planning	6-6
	0 -
Long Term Goal Planning Worksheets	
Activity	6-10
Short Term Goal Planning Worksheets	6-11
Activity	6-14
Yearly Time Planner	6 ₋17
Activity	
· ·	
Goal Evaluation	6-24

Long Term Goal Evaluation Worksheets	
Activity	6-28
Short Term Goal Evaluation Worksheets	6-29
Activity	
Summary	6-32
Module 7 Cash Flow Statement Analysis	
Cash Flow Statement Analysis	7-2
Introduction Performance Objectives	
Projected Cash Flow Statement Analysis	7-3
Minimizing Ending Cash Balance Deficits	7-4
Actual Cash Flow Statement Analysis	7-10
Cash Inflow Considerations	
Cash Outflow Considerations Maximizing Cash Flow Potential	
Cash Flow Statements and Profitability	7-14
Exercise 16	7-15
Summary	7-16
Module 8 Preparing Income Statements	
Preparing Income Statements	
Introduction Performance Objectives	8-2 8-2
Income Statements	8-3
The Cash Income Statement	8-4
Structure of the Cash Income Statement	8-5
Components of the Cash Income Statement	8-6

Total Farm Cash Income Total Farm Cash Income	8-7
Net Farm Cash Income	8-8
Preparation of the Cash Income Statement Exercise 17 Exercise 18	8-11
The Accrued Income Statement	8-14
Structure of the Accrued Income Statement	8-16
Components of the Accrued Income Statement Accrued Farm Income Accrued Farm Expense Accrued Net Farm Income	8-17 8-19
Preparation of the Accrued Income Statement Exercise 19 Exercise 20	8-28
Summary	8-31
Exercise AnswersExercise 17Exercise 19	8-33
Module 9 Income Statement Analysis	
Income Statement Analysis	9-2
Profitability—Net Farm Cash Income vs. Accrued Net Farm Income.	9-3
Uses of the Cash Income Statement The Accrued Income statement—Identifying Performance	
Earning Performance Measures of the Accrued Income Statement Return to Assets Percent Return to Assets	9-14
Exercise 21	9-16

Return to Equity	9-17
Percent Return to Equity	
Exercise 22	0_10
LACIDISC ZZ	9-19
Other Earning Performance Measures	9-20
Exercise 23	0.21
Exercise 23	9-21
Debt Service Capacity	
Determining Income Available to Service Debi	
Determining Non-Debt Requirements	
Determining a Margin for Growth	
Exercise 24	9-29
Debt Service Capacity Considerations	9-30
Exercise 25	9-31
Summary	9-32
Exercise Answers	0-34
Exercise 21	
Exercise 22	
Exercise 24	
Module 10 Combined Financial Statement	Analysis
Combined Financial Statement Analysis	10-2
Introduction	
Performance Objectives	
•	
Financial Statement Analysis	10-3
Putting It All Together	10-4
Solvency	10-5
Liquidity	10-7
Profitability	10-8
Cash Flow	10-10
Oddi i 10W	10-10
Making Goal Choices	10-12
Activity	

Prioritized Management Team Goals	10-18
Prioritized Management Team Long Term Goals	
Prioritized Management Team Short Term Goals	
Summary	10-26
Module 11 Developing a Management Plan	
Developing a Management Plan Introduction Performance Objectives	11-2
Goal Directed Action Plan	11-3
Management PlanActivity	
Management Plan Calendar	
Interim Review	11-12
Year End Review	11-13
Prioritized Management Team Goals Review	11-14
Prioritized Management Team Goals Update	11-16
Summary	11-17
Glossary and Financial Formulas	
Glossary 1	1
Financial Formulas	5

What this Course is About

Your participation with Taking Care of Business demonstrates that you want to learn more about management. This course focuses on the management of the farm business and the family unit.

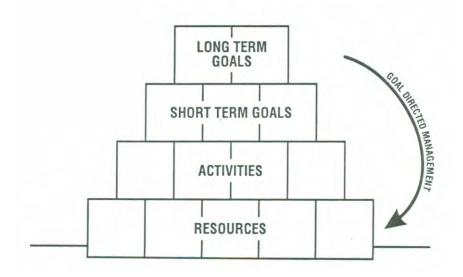
The course title has three components:

- A Team Approach
- Goal Directed Management
- Taking Care of Business

A Team Approach is two or more people working together to manage the farm business and family unit. They are called the management team. Some management team combinations are:

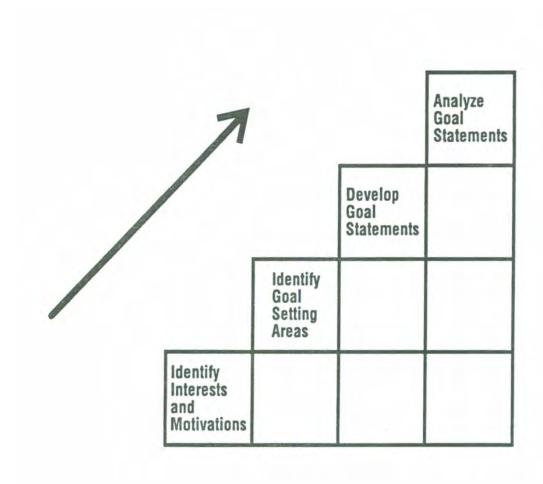
- husband and wife
- parent and child(ren)
- siblings
- partners

Goal Directed Management is the effective use of resources to achieve goals. A visual representation of goal directed management is a pyramid. In goal directed management, goals determine the day to day activities that are to be undertaken and the resources used to accomplish goals.

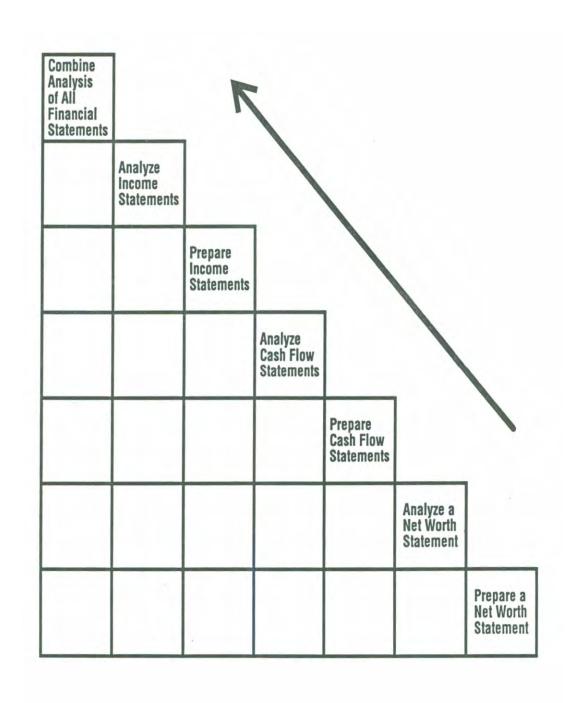


Taking Care of Business is what you do when motivating and believable goals are combined with sound resource management to develop a plan for your team to follow toward goal achievement.

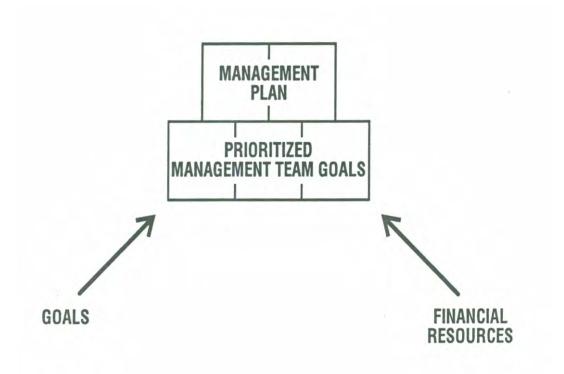
To develop motivating and believable goals, the building process in this course is as follows:



To develop sound financial resource management, the building process in this course is as follows:



The information generated from the goal and financial portions of the course merge and combine to identify the most suitable team goals (Prioritized Management Team Goals) and develop a plan of action (Management Plan) to achieve them.



When the course is completed, you will know where you are now, where you want to go (goals) and how you will get there (management plan).

Management is a challenging but worthwhile process. Putting maximum effort into completing this course will generate maximum benefits - for your management team!

How to Take the Course

The course has eleven modules:

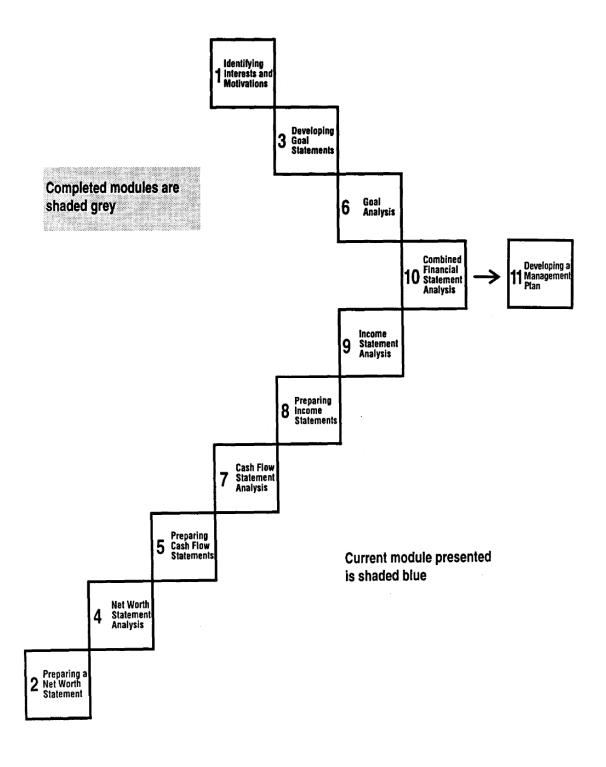
- 1. Identifying Interests and Motivations
- 2. Preparing a Net Worth Statement
- 3. Developing Goal Statements
- 4. Net Worth Statement Analysis
- 5. Preparing Cash Flow Statements
- 6. Goal Analysis
- 7. Cash Flow Statement Analysis
- 8. Preparing Income Statements
- 9. Income Statement Analysis
- 10. Combined Financial Statement Analysis
- 11. Developing a Management Plan

A glossary of course terms and summary of financial formulas are included in the workbook.

You will gain maximum benefit from the course by working through the modules in numerical sequence. The concepts, activities, and exercises of goal and financial modules build on one another. The goal and financial modules merge in Modules 10 and 11 - Combined Financial Statement Analysis and Developing a Management Plan.

You should complete one module per week. Each module requires a minimum commitment of five to six hours – by **each team member**. Select quality time to take the course – make sure you are fresh and relaxed. **Take regular breaks every one to two hours.**

A Course Map is provided at the beginning of each module to illustrate modules that have been completed, the module currently being presented, and modules yet to be completed.



To complete activities and exercises in the workbook modules you require:

- A pencil and eraser for each team member
- A highlighter marker
- A calculator
- A figuring pad for rough work
- Your personal and farm financial records

Course materials have been provided for two people. Management teams of more than two persons are encouraged to take the course. Extra workbooks are available from the Saskatchewan Ministry of Agriculture's Regional Farm Business Management Specialists.

Throughout the workbook modules there are goal activities and financial exercises to be competed by the management team. **All goal activity** worksheets are found at the end of each module. They are sequenced in the order presented in the module:

- Team Questionnaire and Wheel of Fortune
- Team Goals
- Goal Planning
- Goal Evaluation
- · Prioritized Team Goals
- Management Plan
- Management Plan Calendar

Each goal activity the management team completes, builds on one another to develop a Management Plan.

The Farm Business Planner and Completion Guide are separate documents. The Planner is a convenient booklet in which to prepare your financial statements. The Completion Guide serves as a reference when completing the Planner.

Extra worksheets are provided to prepare your own financial data. These are found at the end of **Modules 4, 8 and 9**. When you have prepared the financial information indicated on these worksheets, you may wish to attach these worksheets directly to the Planner.