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KEY

THE ACCOUNT BOOK

FOR FARM AND RANCH MANAGEMENT

Sixth Edition

The Department of Agricultural and Applied Economics
Institute of Agriculture, Forestry and Home Economics
University of Minnesota
St. Paul, Minnesota

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J I H G F E D C B A

INTRODUCTION

Why Keep Farm Accounts?

Because you want to:

1. Analyze your farm business
 - (a) to know your farm earnings
 - (b) to observe your financial progress
 - (c) to find which enterprises are the most profitable
 - (d) to know where to make improvements
2. Make farm and home plans
3. Make out an income tax return
4. Preserve information about your business for future reference
5. Have financial information readily available when obtaining credit.

Why Use This Account Book?

Because it represents the best judgment and experience of farmers as to how to meet the above needs in the most simple and useful manner. It is the result of tests and trials by farmers and skilled farm management workers over a long period of years.

What Records to Keep?

The Account Book has been designed to give in a convenient form the information needed for a thorough study of the farm business. The records provided in the book, therefore, are quite complete. The book is also suitable for farmers who want to use it only as the basis for making out an income tax return, or for other uses. For such purposes, many of the sections in the book will not be needed.

1. To determine Net Worth or financial progress you need (1) complete inventories and (2) the Depreciation Schedule.
2. To determine Farm Earnings you need totals from (1) farm inventories, (2) Depreciation Schedule,

(3) farm expenses and receipts, (4) family living from the farm, and value of unpaid family labor.

3. To study individual livestock enterprises you need (1) the inventories, (2) expenses and receipts for each enterprise, (3) feed records and (4) the supplemental information about livestock numbers: births, deaths, transfers. This information, except for the feed records, is found on facing pages in the front of The Account Book. These records make possible the calculation of such items as total physical production, production per unit, feed cost per unit, return over feed cost, rate of gain, and birth and death rates.
4. To make out your state and federal income tax returns for the farm, you will need (1) the farm inventories, (2) the Depreciation Schedule, (3) farm expenses and receipts. For your final personal income tax returns, you will also need (4) the possible tax deductions section of Household and Personal Expenses, and (5) Non-Farm Income and Expenses (page 76).

Where to Obtain This Record Book?

From your County Agricultural Extension Agent, your local Vocational Agriculture or Adult Farm Business Management Instructor, or write directly to Burgess Publishing Company, 7108 Ohms Lane, Minneapolis, Minnesota 55435. May also be obtained from Minnesota Curriculum Services Center, 3554 White Bear Ave., White Bear Lake, Minnesota 55110. A Five-Year Depreciation/Cost Recovery Schedule, especially designed for use with The Account Book, was previously enclosed in the envelope on the back cover of earlier editions. It is now available only separately, from the same sources listed above for The Account Book.

INSTRUCTIONS

Enterprise Accounts

Separate enterprise accounts provide the data necessary for analyzing the farm business in a convenient form. Classifying expenses and receipts throughout the year makes it possible to study the various parts of the business at any time. At the end of the year these different accounts become the keys to a useful analysis of what has been done during the year and where improvements should be made.

Use of Unlabeled Columns

Each expense and each receipt account has the first three columns labeled "Date," "Description," and "Total Value," which all users need to use. These are followed by two or more unlabeled columns. "Total Value" is adequate for owner-operators and most cash renters, but share renters whose landlords pay a portion of the costs or receive a portion of the production or both should label two columns as "Landlord's Share" and "Operator's Share" and split the amount in the "Total Value" column appropriately for each line on the page. In the case of partnerships, if costs or production or both are divided among the partners, then columns should be designated for each partner and the amount in the "Total Value" column should be split among each partner as appropriate for each line on the page. The amount in the "Total Value" column should always equal the sum of the subsequently labeled columns (landlord + operator) or (partner 1 + partner 2).

Gifts

In order to make the most useful analysis of the farm operations, enter gifts of farm produce (animals, eggs, etc.) to persons outside the family as a sale from the farm and a gift of cash; enter the value of the sale in the appropriate section; then enter an equal value as a gift of cash under "Household and Personal Expense" on pages 78-89. Similarly, enter farm items received as gifts as a gift of cash, enter under "Non-Farm Income" on page 76 and as a purchase of the item.

Trades

Enter trades of machinery or real estate on page 50—see the instructions on page 51. For all other trades, enter the items traded as sales and the items received as purchases.

Livestock Numbers

Space is provided to complete the record of all changes in numbers in each livestock enterprise. A complete record on numbers makes possible an accurate computation of the average number of livestock for the enterprise as well as birth and death rates. A

check on livestock numbers is an important step in determining whether or not the farm record is complete. To check livestock numbers, fill in a form similar to the following for each class of livestock:

These are the livestock I had during the year:	This is what became of them:
On hand at the beginning of the year	Sold during the year
Purchased during the year	Died during the year
Born during the year	Butchered during the year
Transferred from some other class of livestock	Transferred to some other class of livestock
Total number of head	Still on hand at the end of the year
	Total number of head

If your record is complete and accurate, the totals of the two columns will be equal.

Valuation

The way in which crops, livestock, land, and buildings are valued has an important effect on your farm records. The accuracy of the net worth and earnings statements often depends on the method of valuation used. A change in the method of valuing livestock can create sizable "book" profits or losses. Regardless of the method used, be consistent from year to year.

The following methods of valuation are recommended:

1. **Livestock held primarily for sale** (feeder cattle, feeder lambs, market hogs, turkeys, chickens, veal calves).
Use current market prices.
2. **Livestock held primarily for breeding purposes** (dairy cows, other dairy cattle, beef breeding animals, ewes and rams).

If the animals are raised on the farm, use conservative market prices on the young stock until they reach their first year of production. Then set conservative values and hold them constant at this amount for the rest of their useful life. Holding the value of breeding animals constant after they start production reduces the wide variation in value resulting from year-to-year price changes. General price level trends are reflected in the value of new animals added to the breeding herd each year.

Except for outstanding purebred animals, value breeding sows, gilts and boars at current market prices.

If breeding animals were purchased, value them at cost depreciated to present age. The most common basis for calculating depreciation is to divide cost by the estimated life. If the animal was on the farm for only part of the year, charge depreciation for that part of the year only.

3. Farm animals and products used in the home.

Value at the price you would have received if they had been sold.

4. Crops and feed on hand or fed.

Value homegrown crops on hand or fed to livestock at the price they would bring if sold. Value purchased items on hand or fed at cost.

5. Machinery and Buildings.

Value machinery and buildings at cost depreciated to present age. See also the instructions on the "Depreciation Schedule."

6. Bare land.

Value land at cost. Do not depreciate it. Hold the value constant from year to year. Permanent improvements such as terracing or land clearing, which are not depreciated, should be added to the original cost of the bare land.

The values for farm capital and net worth given by the suggested methods of valuation present a conservative picture. Large variations in prices or conditions are reflected slowly. Consistency over a period of years is stressed. If the present cash value of farm capital or net worth is desired for the purpose of obtaining credit, use current market values for all items on hand at the time of inventory.

Additional instructions are given on individual pages throughout this book. Special instructions for the "Depreciation Schedule" are given on the cover of the schedule. Suggestions for classifying "Household and Personal Expenses" are given on page 90.

Use of Index

The Index on pages iv and 1 is provided to help you locate the account in which individual items should be entered. If an item cannot be found in the Index, look for it under another name or look for some related item.

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Enter at the top of the page the name of the company to which milk is sold. Be sure to record the pounds of butterfat and milk sold. This information is necessary for a proper analysis of your dairy enterprise.

Enter charges for trucking milk from the farm to the receiving station and any other expenses which are deducted from the milk check on pages 2 and 3. If the present column headings do not pertain to your particular situation, cross out the headings and enter appropriate ones. At the end of the year, transfer the totals to the proper pages, as indicated at the bottom of each set of columns.

All milk and cream used in the home and whole and/or skim milk fed to calves should be listed in the account below. Be certain to account for all milk produced. Division between the operator's share and others should be made at the end of the year.

Average test of cream _____ %

1	Used in Home		Fed to Calves	
	2 Milk Gals.	3 Cream Pts.	4 Whole Gals.	5 Skim Gals.
Jan.	100			
Feb.	100			
Mar.	100			
Apr.	100			
May	100			
June	100			
July	100			
Aug.	100			
Sept.	100			
Oct.	100			
Nov.	100			
Dec.	100			
Totals	1200			
Share	1200			
Share				
Share				

SOLD TO: Mid - AM

[illegible]

3

Transfer Totals to appropriate sections:

Include on pages 4 and 5 only dairy cows after their first freshening. Until a heifer drops her first calf she is included in the "Other Dairy Cattle" accounts. Use the Transfer section and the Monthly Check in both enterprise sections of THE ACCOUNT BOOK to indicate these transfers.

Keeping the records for dairy cows and other dairy cattle separate makes it possible to study the costs and returns for milk production separately from the costs and returns for raising replacement stock.

When cows are transferred to a feedlot, record the transfer in columns 14-16 on page 4 and also in the appropriate Feeder/Finisher section.

The dairy cow inventory should be used to record the total number of cows in the dairy herds. It is recommended that cows in the herd be grouped by age, or other category, if values differ between animals.

List breeding fees on page 23.

For income tax purposes, when a dairy cow is sold, enter details of the sale and then place a check mark in the "P" column (3 or 11) if the animal was purchased or in the "R" column (4 or 12) if the animal was raised.

DAIRY COWS SOLD

5

1 Date	2 Description	3 P	4 R	5 No. of Head	6 Total Value	7	8	9 Date	10 Description	11 P	12 R	13 No. of Head	14 Total Value	15	16
Qualifying for capital gains															
1-9	7	✓		1	616 70										
1-9	9,15 35,59 44	✓		5	3083 50										
5-6	H 1977 H 1977 H 1977 H 1977	✓		4	2267 19										
6-10	H 1980	✓		1	543 27										
7-8	48	✓		1	713 12										
8-5	H 1977	✓		1	369 60				Others						
10-21	H 1977 H 1977 23, 30	✓		4	2326 36			6-10	29 H	✓		1	375 00		
11-11	72, H	✓		2	938 45			7-8	37 H	✓		1	693 00		
Totals—cols. 13-16													1068 00		
Totals—cols. 5-8													10858 19		
Totals—cols. 5-8				19	10858 19			Grand Totals					11926 19		

BUTCHERED

832 ÷ 13 = 64.0 DAIRY COW MONTHLY CHECK

17 Date	18 Description	19 No. of Head	20 Total Wt. Lbs.	21	22	23 Jan.	24 Feb.	25 Mar.	26 Apr.	27 May	28 June	29 July	30 Aug.	31 Sept.	32 Oct.	33 Nov.	34 Dec.
				769	1 First of Month	70	64	64	64	67	63	62	59	65	67	63	61
					2 Purchased												
				16	3 Heifers Fresh				3		1		8	2			2
				785	4 (1 + 2 + 3)	70	64	64	67	67	64	62	67	67	67	63	63
				21	5 Sold	6				4	2	2	1		4	2	
					6 Transferred Out												
Total Butchered				2	7 Died							1	1				
Share					8 Butchered												
Share					9 (5 + 6 + 7 + 8)	6	0	0	0	4	2	3	2	0	4	2	0
Share				762 785	End of Month (4 - 9)	64	64	64	67	63	62	59	65	67	63	61	63

"Other Dairy Cattle" refers to the dairy bulls, bull calves and all dairy females that have not dropped their first calf. When heifers freshen, record the transfer in columns 7 and 8 below and in columns 12 and 13 on page 4. These transfers should also be recorded in the Monthly Check.

When calves or dairy steers are placed in a feedlot, record the transfer in columns 9-11 below, and also in the appropriate Feeder/Finisher section.

List breeding fees on page 23.

After entering details of sales of other dairy cattle (columns 20-27, page 7), place a check mark in the "P" column (22) if the animal was purchased or in the "R" column (23) if the animal was raised.

[illegible]

1 Date	2 Description	3 No. of Head	4 Total Live Weight	5 Total Value
5-12	Heifer	1	1000	500
10-27	Heifer	1	1400	550
Total Butchered		2	2400	1050
Share - Operators		2	2400	1050
Share				
Share				

6	Transfers				
	Heifers Freshened		Transferred to Feeders		
	7 No. of Head	8 Total Value	9 No. of Head	10 Total Weight	11 Total Value
Month					
Jan.					
Feb.					
Mar.					
Apr.	3	3300			
May					
June	1	1100			
July					
Aug.	8	8800			
Sept.	2	2200			
Oct.					
Nov.					
Dec.	2	2200			
Totals	16	17600			

[illegible]

FEEDER/FINISHING Cattle INVENTORY

1 Lot No.	2 Date of Purchase	3 Original Weight	4 Income Tax Value to be Recovered	5 Description	BEGINNING OF YEAR					11 Income Tax Value to be Recovered	END OF YEAR				
					6 No. of Head	7 Total Wt. Lbs.	8 Total Value	9	10		12 No. of Head	13 Total Wt. Lbs.	14 Total Value	15	16
1-11	11-24	3545	2420		31	12400	9420				58	29000	17400		
2-7	12-2	2350	1575												
3-9	12-16	3150	2115												
4-4	12-21	1495	960												
		10540	7070	Totals	31	12400	9420				58	29000	17400		

17	Transfers						BUTCHERED				
	From Breeding Herd			To Breeding Herd							
	18 No. of Head	19 Total Weight	20 Total Value	21 No. of Head	22 Total Weight	23 Total Value	24 Date	25 Description	26 No. of Head	27 Total Weight	28 Total Value
Month											
Jan.							12-10	Heifer	1	900	504
Feb.											
Mar.											
Apr.											
May											
June											
July											
Aug.											
Sept.											
Oct.							Total Butchered		1	900	504
Nov.							Share				
Dec.							Share				
Totals							Share				

Use this section for Feeder/Finishing enterprises for hogs, cattle, lambs, broilers, etc.

Breeding enterprise records should be kept in other sections of this book.

It is recommended that lot records be kept for feeder cattle in order to determine costs and returns from specific lots of cattle. Two Feeder/Finishing sections are provided on pages 10-11 and 12-13.

Transfers to or from the breeding herd should be recorded in the Transfer section, in the monthly check and on the breeding herd pages.

Columns 4 and 11 on pages 10 and 12 are to be used to record the purchase cost of animals purchased for resale. These values are necessary for income tax purposes upon the sale of animals carried from one year to the next.

HEDGING TRANSACTIONS

Use page 99 or 100 to record futures transactions and calculate profits or losses. Hedging gains or losses should then be entered in the Feeding/Finishing Sold section on page 11 or 13.

[illegible]

Use this section for the Complete Hog, Producing Weaning Pigs or Mixed Hog Enterprises.

Hog Finishers should use the Feeder/Finishing section on pages 10-13.

Two monthly checks are provided:

Breeding Herd—total sows, gilts and boars. Also specify the number of boars on the bottom line of the monthly check.

Pigs—feeder pigs and/or market hogs. Transfer breeding gilts to the breeding herd at market weight.

Fill out the Births and Death Losses section on page 15 as completely as possible. This information is necessary for a thorough analysis of the farrowing operation.

Use the Transfer section on page 15 to show transfers of feeder pigs to the Feeder/Finishing section on pages 10-13 for a more complete analysis of the farrow to finish operation. This section is also used to transfer breeding gilts from the Feeder/Finishing section to the breeding herd. After entering details of sales of breeding hogs on page 16 (columns 1-10), place a check mark in the "P" column (column 3) if the animal was purchased or in the "R" column (column 4) if the animal was raised.

HOG INVENTORY

6 Description	BEGINNING OF YEAR					END OF YEAR				
	7 No. of Head	8 Total Wt. Lbs.	9 Total Value	10	11	12 No. of Head	13 Total Wt. Lbs.	14 Total Value	15	16
Market Hogs	24	4320	1752			9	1575	630		
Pigs	38	2660	1064			107	6420	2688		
Gilts	16	4000	1600			19	4750	1900		
Sows	7	3500	1120			19	9500	3040		
Boars	2	550	500			2	1000	500		
Total Inventory	87	15030	6036			156	23245	8758		

BUTCHERED

1 Date	2 Description	3 No.	4 Total Wt. Lbs.	5 Total Value
1-12	Butcher	2	470	190.35
4-14	Butcher	1	300	108.00
8-10	Butcher	1	300	148.50
Total Butchered		4	1070	446.85
Share - Operators		4	1070	446.85
Share				
Share				

BREEDING HERD MONTHLY CHECK $320 \div 13 = 24.6$

17	18 Jan.	19 Feb.	20 Mar.	21 Apr.	22 May	23 June	24 July	25 Aug.	26 Sept.	27 Oct.	28 Nov.	29 Dec.
1 First of Month	25	25	25	25	23	23	23	23	22	22	22	22
2 Purchased												
3 Transferred In											18	
4 (1 + 2 + 3)	25	25	25	25	23	23	23	23	22	22	22	40
5 Sold				2				1				
6 Died												
7 Transferred Out												
8 Butchered												
9 (5 + 6 + 7 + 8)				2				1				
TOTAL End of Month (4 - 9)	25	25	25	23	23	23	23	22	22	22	22	40
(No. of Boars)	2	2	2	2	2	2	2	2	2	2	2	2

PIGS MONTHLY CHECK $1841 \div 13 = 141.6$

30	31 Jan.	32 Feb.	33 Mar.	34 Apr.	35 May	36 June	37 July	38 Aug.	39 Sept.	40 Oct.	41 Nov.	42 Dec.
1 First of Month	62	42	41	70	171	186	178	178	146	209	233	159
2 Purchased												
3 Pigs Born Alive			55	142	24			55	51	61		
4 Transferred In												
5 (1 + 2 + 3 + 4)	62	42	96	212	195	186	178	233	247	270	233	159
6 Sold	17		10	17		8		26	29		72	20
7 Died	1	1	16	23	9			10	9	37	2	5
8 Transferred Out											18	
9 Butchered	2			1				1				
10 (6 + 7 + 8 + 9)	20	1	26	41	9	8	0	37	38	37	74	43
End of Month (5 - 10)	42	41	70	171	186	178	178	196	209	233	159	116

280

18

298

3

295

298

1725

388

2113

149

113

18

4

2113

BIRTHS AND DEATH LOSSES								HOGS BOUGHT							15
1	2	Number of Pigs Born		Number of Pigs Born Alive But Later Died			8	16	17	18	19	20	21	22	23
Month	Number of Litters Farrowed	3 Alive	4 Dead	5 Before Weaning	6 In Nursery	7 During Finishing	Number Breeding Hogs Died	Date	Description	No. of Head	Total Wt. Lbs.	Price Per Cwt.	Total Value		
Jan					1										
Feb					1										
Mar	6	55		16											
Apr	14	142		23											
May	2	24		9											
June															
July															
Aug	5	55		10											
Sept	5	51		9											
Oct	6	61		37											
Nov					2										
Dec					5										
Totals	38	388		104	9										
TRANSFERS															
From Page _____				To Page _____											
9	10	11	12	13	14	15									
	No. of Head	Total Wt. Lbs.	Total Value	No. of Head	Total Wt. Lbs.	Total Value									
Jan															
Feb															
Mar															
Apr															
May															
June															
July															
Aug															
Sept															
Oct															
Nov															
Dec															
Totals															
								Total Hogs Bought			XXX				

[illegible]

MARKET HOGS SOLD

[illegible]

SHEEP

List only the farm flock on pages 18-19. Enter feeder lambs separately on pages 10-13 (Feeder/Finishing section). List breeding fees or ram service on page 23. After entering details of sales of sheep on page 19, place a check mark in the "P" column (26) if the animal was purchased, or in the "R" column (27) if the animal was raised. Wool sold should be recorded separately from wool incentive payments, as indicated in columns 33-39 on page 19.

Sale of sheep and lambs should be recorded separately as indicated in columns 24-32 on page 19, for income tax purposes.

NUMBER OF EWES KEPT FOR LAMBING

1	BUTCHERED						
Date Ram Put With Ewes	2 Date	3 Number of Head	4 Date	5 Description	6 No.	7 Total Wt Lbs.	8 Total Value
			Total Butchered				
			Share				
			Share				
			Share				

LAMBING INFORMATION

[illegible]

SHEEP MONTHLY CHECK

[illegible]

23

expense. The Total Value columns 3 and 10 should be allocated to the proper enterprise.
Transfer totals to page 27.

[illegible]

VETERINARY AND MISCELLANEOUS LIVESTOCK EXPENSE

27

1 Date	2 Description	3 Total Value	4	5	Dairy Cows		Other Dairy Cattle		Hogs		Feeder Cattle	
					6 Veterinary	7 Misc.	8 Veterinary	9 Misc.	10 Veterinary	11 Misc.	12 Veterinary	13 Misc.
1-16	Barn Lime for Cows	5 00				5 00						
1-23	Vet-Medicine for Calves	48 75					48 75					
1-30	treat Feeder Cattle - Vet	40 85									40 85	
3-12	Straw for Feeders	500 00										500 00
3-21	L.P. Gas for Barn - Cows	486 10				486 10						
3-31	Vet on account - Cows	94 00			94 00							
4-6	Vet - Pigs	92 89							92 89			
5-28	Vet - tylen 200 for Calves	21 85					21 85					
6-9	LP Gas for Hogs	396 75								396 75		
8-1	Vet - Calves	163 00					163 00					
8-11	Vet - Calves	72 29					72 29					
8-24	Coop - Pigs - tylen	12 15							12 15			
8-25	Barn Lime	7 00				7 00						
8-26	Vet - Cows	28 00			28 00							
8-26	Vet - Calves	18 00					18 00					
8-27	Vet - Hogs	125 50							125 50			
8-27	Vet - Cows	19 00			19 00							
9-2	Fly bomb - Cows	15 20				15 20						
9-10	Vet - Hogs	24 50							24 50			
10-26	tylen for Hogs	15 50							15 50			
10-26	test hay & feed for Cows	34 00				34 00						
12-23	Vet - Feeder Cattle	177 46									177 46	
12-31	LP Gas - hogs	169 05								169 05		
	MILK Check Supplies	1509 56				1509 56						
	MILK Check - Advertising	517 66				517 66						
Totals - this page		4594 06			141 00	2574 52	323 89		270 54	565 80	218 31	500 00
Totals - page 26												
Totals - page 25												
Totals - page 24												
Totals - page 23		257 00			XXXX XX	257 00	XXXX XX		XXXX XX		XXXX XX	
Total Vet. Med. and Misc. Expense		4851 06			141 00	2831 52	323 89		270 54	565 80	218 31	500 00

MONTHLY FEED RECORD

Feed cost makes up 50 to 80 percent of the cost of livestock production. Feed records, therefore, are useful in studying the efficiency of livestock production—an important factor affecting farm earnings. These records are not needed to calculate farm earnings. Use the forms on these pages to assist in allocating those homegrown feeds and purchased feeds that are consumed by more than one class of livestock.

Several methods are available for determining quantities of feed consumed. Select the combination of methods best suited to your farm. Some suggested methods are:

Method 1. Feed each class of livestock from separate bins, cribs, or mows. Carefully measure the quantities placed in bins, etc. during the feeding period. Subtract the quantity remaining at the end of the feeding period. The difference is the amount that was fed.

Method 2. When several classes of livestock are fed from the same bin, measure the quantity on hand at intervals of one to six months. These measurements can be recorded in the left-hand columns on page 40. The difference between the quantities on hand on successive dates is the quantity fed during the period after allowance has been made for amounts seeded, harvested, bought, sold, or spoiled. Next, allocate the total quantity fed among the different classes of livestock. For example, a farmer fed 1000 bushels of corn in one month. If he fed twice as much each day to the hogs as to the cattle he would estimate that he fed 667 bushels to the hogs and 333 bushels to the cattle and record these figures.

Method 3. Weigh the feed to each class of livestock once a month or whenever the ration is changed. Multiply by the number of days this ration is used to get total quantities. Record these figures.

At the end of the year, check these feed records against other records by using the Crop and Feed Check located on page 111-114 of this account book. Since many estimates have been made during the year, some adjustments may be needed to obtain a final distribution of feed used.

Most commercial feeds are purchased for some specific class of livestock. Record the kind and amount of feed for each class of livestock in separate sections under "Feed Bought" on pages 30-37. Indicate the class of livestock at the top of the section. The quantities fed can be entered directly in the Crop and Feed Check without appearing in the Monthly Feed Record.

Use this monthly feed record for purchased feeds only if it is necessary in order to allocate the feed between classes of livestock.

For recording pasture days, enter number of days of full feed on pasture. For example, 30 days when the livestock received their full feed from pasture that month; 15 days if they received only one-half of their feed from pasture. Green chop may be recorded as pasture or an estimate made of the quantity fed in hay equivalent.

HOGS

HOGS ON PASTURE					Corn Bu.	Oats Bu.	Protein Supp. Salt Vit. lb.						
Month	Hogs		Pigs										
	No. of Head	Days	No. of Head	Days									
Jan.					245		4000						
Feb.					245		4025						
Mar.					260		4200						
Apr.					270		4400						
May					285		4650						
June					300		4900						
July					285		4650						
Aug.					270		4400						
Sept.					285		4650						
Oct.					300		4900						
Nov.					270		4400						
Dec.					245		4000						
Totals					3260		53175						

DAIRY COWS

DAIRY COWS ON PASTURE			Corn Bu.	Oats Bu.	Protein Supp. Salt Vit. lb.	Alfalfa Tons	Corn Silage Tons						
Month	No. of Head	Days											
Jan.			531		6000	16.9	54						
Feb.			536		6050	17.1	59						
Mar.			433		4880	13.8	48						
Apr.			402		4550	12.8	45						
May			361		4050	11.5	40						
June			304		3450	9.7	34						
July			392		4450	12.5	43						
Aug.			428		4850	13.7	47						
Sept.			423		4780	13.5	47						
Oct.			428		4850	13.8	47						
Nov.			474		5350	15.1	53						
Dec.			442		5000	14.1	49						
Totals			5154		58260	164.5	571						

OTHER DAIRY CATTLE

OTHER DAIRY CATTLE ON PASTURE			Corn Bu.	Oats Bu.	Protein Supp. Salt Vit. lb.	Alfalfa Tons	Corn Silage Tons						
Month	No. of Head	Days											
Jan.			126		1050	2.8	34						
Feb.			122		1000	2.7	33						
Mar.			106		900	2.4	28						
Apr.			105		850	2.3	28						
May			121		1000	2.7	32						
June			130		1100	2.9	35						
July			117		950	2.6	31						
Aug.			102		850	2.3	27						
Sept.			102		850	2.2	28						
Oct.			106		875	2.6	28						
Nov.			105		850	2.3	29						
Dec.			100		850	2.2	27						
Totals			1342		11125	30.0	360						

29

[illegible]

FEED BOUGHT FOR

Dairy Cows

ENTERPRISE

[illegible]

ENTERPRISE

2120	14	11125	2120	14
------	----	-------	------	----

FEED BOUGHT FOR Hogs

ENTERPRISE

Totals to page 37

FEED BOUGHT

37

FEED BOUGHT FOR Feeder Cattle

ENTERPRISE

1 Date	2 Description	3 Total Feed Value		Protein Supplement Salt, Vit., & Mineral		Corn		Oats								14 Mixing, Grinding & Delivery Value
				4 Lbs. Bu.	5 Value	6 Lbs. Bu.	7 Value	8 Lbs. Bu.	9 Value	10 Lbs. Bu.	11 Value	12 Lbs. Tons	13 Value			
1-9	Mineral Concentrate	115	60	680	115 60											44 33
2-6	Concentrate	138	45	880	138 45											42 95
3-12	Cattle Finisher	462	00	4000	462 00											
4-17	Salt	3	00	50	3 00											
5-26	Salt, Mineral	20	00	150	20 00											
6-15	Salt, MIN., Protein	46	20	300	46 20											
7-20	Salt MIN., Protein	31	60	185	31 60											18 87
8-13	Salt, MIN., Protein	91	90	570	91 90											42 05
9-1	Salt, MIN., Protein	140	45	1030	140 95											72 63
9-11	Beet Blocks	15	20	66	15 20											
10-10	Salt MIN., Protein	131	30	795	131 30											81 45
10-12	Corn	478	85			215	478 85									
10-12	Oats	334	00					180	334 00							
11-1	Corn	87	60			40	87 60									
11-1	Oats	320	00					160	320 00							
11-3	Salt MIN., Protein	96	90	500	96 90											45 80
12-1	Salt MIN., Protein	241	06	1410	241 06											85 38
Total from page 37		\$2754	61	10616	\$1534 16	255	\$566 45	340	\$654 00							
Total from page 36		9396	30	53975	8372 45	449	1023 85									
Total from page 35		2120	14	11125	2120 14											
Total from page 34		8342	46	59200	7318 61	449	1023 85									
Total from page 33																
Total from page 32																
Total from page 31																
Total from page 30																
Total		\$22613	51	134916	\$19345 36	1153	\$2614 15	340	\$654 00							433 46

Transfer for Total Mixing, Grinding and Delivery (column 14) to page 49

39

[illegible]

Use the *CCC Stored Crop* section to record all CCC crops on hand at inventory time. If the CCC loan was treated as a *sale*, check the *sale* column and record the loan value of the crop under the total value column. *However*, entries of crops where the loan is treated as a *sale* are only for information purposes. When the loan is treated as a *sale*, DO NOT include the value of the crop as part of the value of the total inventory on pages 40 and 41.

When the CCC loan is treated as a *loan* and not as a *sale*, check the *loan* column and record the value of the crops in the total value column. *Include* the value of these crops as part of the total inventory values on pages 40 and 41.

When the CCC Crop Loan is treated as a loan, be sure the value of the loan is recorded as a Current Liability on page 69, Inventory of Liabilities. If the loan is new this year, also record the amount of the loan as money borrowed, page 71.

Record all other crops and supplies in the sections as indicated.

12	13	14
Date	Description	Quantity

1	BEGINNING OF YEAR						END OF YEAR					
Description	2 Quantity	3		4 Total Value	5	6	7 Quantity	8		9 Total Value	10	11
		LOAN	SALE					LOAN	SALE			
CCC Stored Crops	bu.											
Soybeans	1147	✓		9176 00			1260	✓		5570		
Stored Crops Not Under CCC		3 price						3 price				
Corn	7000	3.10		21700 -			13554	2.32		31445 28		
Oats	120	1.58		189 30			472	1.75		826 -		
Proteins, Salt, & Minerals												
For Dairy Cows							1000	16		110 15		
For Hogs							800	16		119 20		
Totals to page 41				31065 30			Totals to page 41			39745 63		

CROP, SEED, FEED, AND SUPPLIES INVENTORY

41

1 Description	BEGINNING OF YEAR					END OF YEAR				
	2 Quantity	3 Price	4 Total Value	5	6	7 Quantity	8 Price	9 Total Value	10	11
Silage - Corn	656 ^{T.}	25. ⁰⁰	16400 00			829	20. ⁰⁰	16580 00		
Haylage	T.									
Hay	T.									
3960 bales	118.8	90. ⁰⁰	10692 00			(2870 bales) 71.75	80. ⁰⁰	5740 00		
Farm Supplies										
Straw										
Fertilizer										
Lime on account	60.1 ^{T.}	7.80	488 78							
Chemicals										
Seed										
Down pymt.			45 00					38 00		
Fuel										
Totals—This page			27625 78			Totals—This page		22358 00		
Totals—page 40			31065 30			Totals—page 40		39745 63		
Grand Totals			58691 08			Grand Totals		62103 63		

CROP, SEED, FEED INVENTORY

Accurate estimates of feed inventories are necessary for an accurate feed summary and earnings statement. Poor inventory estimates can lead to large errors in any one year. Analyses made from such a record may lead to faulty conclusions.

Measure contents of cribs, bins, mows, stacks, and silos. Level off grain bins before determining depth. Don't guess if you can avoid it. The same methods should be used when determining total production of a crop.

Rules for estimating quantities or weights of grains and roughages from measurements are given on the back cover. Make adjustments for moisture or deviations from standard weights. For example, if the test weight of a measured bushel of oats is 36 pounds, calculate the number of measured bushels by dividing the cubic feet of oats by 1¼. Multiply this number of measured bushels by the test weight (36 pounds). Then divide this figure by the standard weight (32 pounds) to get the correct number of bushels of standard weight.

Use local market prices when valuing crops raised on the farm. Purchased feed, seed, or fertilizer should be inventoried at cost.

HEDGING

See page 99 or 100 to record Commodity Futures Transactions. See page 102 for Forward Contracts.

SPECIAL NOTE

Beginning of year entries should be the same as end of year entries in last year's record book. Both beginning and ending inventories should also appear on the Crop and Feed Check (pages 111-114).

Grains with multiple symbols: crops sold or shipped to bin. All entries for grains sold should have corresponding entries on the Crop and Feed Check Record Commodity Futures Transactions on page 99 or 100.

43

Crops sold should include landlord's share sold or delivered to him. All entries for crops sold should have corresponding entries on the Crop and Feed Check. Record Commodity Futures Transactions on page 99 or 100

45

Crop production expenses are to be entered on pages 45-48 according to the type of expense. Blank columns on each page are to be labeled for the individual crops raised. Total Value is then allocated to the crop for which the expense was incurred.

Expenses carried from the beginning inventory are allocated directly to the crop as indicated on each page. Items purchased for the following year's crop are shown in Total Value columns and carried on ending inventory, but not allocated to a current year's crop.

1 Date	2 Description	3 Quantity	4 Price	5 Total Value	6 Corn	7 CORN Silage	8 Oats	9 Soybeans	10 Alfalfa Hay	11	12	13	14
	FERTILIZERS FROM INVENTORY	60.1	X	X X	348 04	120 74							
	FERTILIZERS PURCHASED THIS YEAR												
4-30	9-23-3 Elevator - Oats	2 ton	213. ^M	429 81			429 81						
	O-O-60	2.5 ton	148. ⁰⁰	376 12	245 76	130 36							
	O-13-42	14.5 ton	178. ⁵⁰	2572 81	1809 79	763 02							
	A-A-	16 ton	235. ⁰⁰	3750 52	2643 80	1106 72							
	O-O-60	5.5 ton	150. ⁰⁰	811 05	573 26	237 79							
	12-32-18	7.5 ton	236. ⁰⁰	1788 84	1264 94	523 90							
9-25	O-13-42	3 ton	176. ⁵⁰	544 45					544 45				
TOTAL FERTILIZERS (Totals to page 4B)				10273 60	6885 59	2882 52	429 81		544 45				

47

Total to page 48

1 Date	2 Description	3 Quantity	4 Price	5 Total Value	6 CORN	7 CORN Silage	8 Oats	9 Soybeans	10 Alfalfa Hay	11	12	13	14
	IRRIGATION EXPENSE												
	CROP INSURANCE												
10-1	Hail Insurance			2560 17	1272 64	535 66	151 87	600 00					
	MISCELLANEOUS												
6-3	Elevator - twine	11 bales		230 21					220 21				
8-20	Big Bear - twine	4 bales		79 96			79 96						
12-2	Farm tech - crop supplies			715 80	321 93	115 82	84 60	64 86	128 59				
12-10	Storage - barn rent			260 00	260 00								
Totals—this page				3836 14	1854 57	651 48	316 43	664 86	348 80				
Totals—page 47				6750 34	4601 21	889 76	189 30	135 85	1259 37				
Totals—page 46				4900 20	3150 11	1319 87		430 22					
Totals—page 45				10273 60	6885 59	2882 53	429 81		544 45				
Grand Totals Crop Expenses				25760 28	16491 48	5743 64	935 54	1230 93	2152 62				

CUSTOM WORK HIRED

49

Custom work hired includes milk hauling (total from page 2), trucking, baling, combining, silo filling, corn picking, weed spraying, feed grinding, corn shelling, and similar items. Bulldozing or ditching, if connected with new buildings or major land improvements, should be listed on page 50 and the cost depreciated over a period of years.

Columns 6-12 can be used for the allocation of custom work hired to the various crop and livestock enterprises on the farm. Be sure to describe what kind of custom work was done (i.e. baling, combining, etc.), as well as the name of the person paid.

1 Date	2 Description	3 Total Value	4 Corn Silage	5 Dairy Cows	6 Hogs	7 Other Dairy Cattle	8 Feeders	9 Oats	10 Soybeans	11 Corn	12
1-23	Truck Hogs	25 27			25 27						
3-17	truck hogs	39 00			39 00						
4-22	truck hogs	87 39			87 39						
6-8	spray crops	581 50	151 05						78 00	352 45	
6-9	truck hogs	37 48			37 48						
6-10	truck cows	29 29		29 29							
7-8	truck cows	81 07		72 07		9 00					
8-4	Swath Oats	160 00						160 00			
8-5	truck cows	12 01		12 01							
8-5	truck hogs	30 00			30 00						
9-13	truck cattle	83 00					83 00				
9-14	truck hogs	30 27			30 27						
9-23	Chop Corn	97 00	97 00								
10-21	truck cows	82 83		82 83							
11-9	truck hogs	109 92			109 92						
11-9	truck cattle	134 56					134 56				
11-30	Bale Corn Stalks	82 00								82 00	
12-8	truck corn	50 00								50 00	
12-28	truck hogs	36 20			36 20						
12-31	truck cows	47 50		47 50							
	truck MILK - from P.2	2461 15		2461 15							
	Grind mix & Deliver feed from Page 37-col. 14	433 46					433 46				
Totals Custom Work Hired		4730 21	248 05	2704 85	395 53	9 00	651 02	160 00	78 00	484 45	

51

INSTRUCTIONS FOR ENTERING ITEMS PURCHASED ON PAGE 50

If a new lease results in passing the investment credit from the lessor to you, record the amount of investment credit in columns 12 and 13 on page 50 and describe the transaction in columns 1 and 2 on page 50.

INSTRUCTIONS FOR MACHINERY, EQUIPMENT AND REAL ESTATE SOLD

LAND, STRUCTURES, MACHINERY, EQUIPMENT & LIVESTOCK LEASE PAYMENTS

MACHINERY, EQUIPMENT AND REAL ESTATE SOLD

[illegible]

53

1 Date	2 Description	3 Quant	4 Total Value	5		6		Truck 1		Auto 1				Tractor and Crop Machinery		Fuel & L P for Personal Residence	
				7 Quant	8 Value	9 Quant	10 Value	11 Quant	12 Value	13 Quant	14 Value	15 Quant	16 Value	17 Quant	18 Value		
1-19	OIL for OLDS	1 gal	1 25							1 25							
3-9	John Deere-OIL	1 gal	4 32												1 gal	4 32	
3-25	John Deere-OIL	5 gal	27 60												5 gal	27 60	
5-1	John Deere-oil	5 gal	27 50												5 gal	27 50	
6-6	OIL & OIL Change	5 gal	27 00							27 00							
6-9	Unloaded gas	540	739 40					540	739 90								
9-23	Grease		2 94													2 94	
9-28	John Deere-OIL	5 gal	27 50												5 gal	27 50	
11-13	Unloaded gas	270	378 00					370	378 00								
11-14	OIL-Now tractor	5 gal	27 45												5 gal	27 45	
12-31	OIL-CROP Mach	30 gal	101 48												30 gal	101 48	
12-31	Gas truck	570	746 70					570	746 70								
12-31	Car-Unloaded																
	ON account	874	1171 16					874	1171 16								
Totals—to page 54			3283 30					746 70	2317 31						219 29		

FUEL, OIL, GREASE BOUGHTTotal no. of gallons of gasoline for non-highway use claimed for tax credit

Transfer total of columns 17 & 18 to page 90, col. 17.

W.L.D.S.	55 L.T.D.
Auto 1	Auto 2

1. Record Odometer Readings beginning and end of the year and total miles driven for each vehicle and record percent of personal and farm use for each.
2. In chronological order record expenses for repairs, parts, service calls, insurance, license and other operating expenses in Total Value column and in the appropriate column, 5-12. Operators share if different from total may be recorded in columns.
3. Divide appropriate totals between Household/Personal share and farm share according to the percentage of use entered in the right hand corner of page 55.
4. Enter here all repairs, parts for tractors, crop machinery, trucks, autos, livestock equipment and buildings whose full cost is to be charged as expense in the year of purchase. Enter here, also, small tools used for crop work or general maintenance.

ITEMS	Truck 1	Truck 2	Auto 1	Auto 2
Percent Used on Farm	100		50	
Percent Personal Use			50	100
Odometer Reading End of Year	83655		79300	62910
Odometer Reading Beginning of Year	78235		61320	55600
Miles Traveled During Year	5420		17980	7310

[illegible]

REPAIRS

59

1	2	3	4	5	6	7	8	9	10	11	12
Date	Description	Total Value		Tractor and Crop Machinery	100% Truck 1	Truck 2	50% OLds. Auto 1	LTD Auto 2	Livestock Equipment	Farm Real Estate	Personal Residence
1-5	tire Repair	11 00			11 00						
1-6	Flotway-tractor Chains	65 08		65 08							
1-9	Car Repair -OLds	369 28					369 28				
1-12	Silo Unloader Repair	297 64							297 64		
1-15	Battery & Repair -LTD	71 70						71 70			
1-22	Fleetway-Lvstk equipt.	44 35							44 35		
1-26	truck License	13 25			13 25						
2-3	Silo Repair	39 69							39 69		
2-3	Paneling Hog Barn	108 79								108 79	
2-5	Parts for Pickup	45 32			45 32						
2-17	Gas torch, Welding rods	103 15							103 15		
2-20	Farrowing Barn	42 27								42 27	
2-24	trees-Windbreak	247 00								247 00	
2-25	Used tractor & Wagon tires	309 02		309 02							
2-26	Power Steering -OLds	71 58					71 58				
2-27	Water Pump 4020	343 41		343 41							
3-6	tire & license -LTD	67 75						67 75			
3-7	Gate & Steel for Barn	143 12							143 12		
3-10	Remodel Barn	324 48								324 48	
3-12	Universal Milkor Repair	111 06							111 06		
3-23	OLds -Repair	337 93					337 93				
3-25	Rep. Water heater in barn	37 97							37 97		
3-26	trees - WIND break	64 87								64 87	
4-1	Gravel- FILL	239 80								239 80	
4-1	Surprise-Silo Unloader Rep.	154 86							154 86		
4-18	Tractor parts - 4020	816 45		816 45							
4-28	Car License -OLds	64 75					64 75				
4-30	Round-up for Grove	20 40								20 40	
5-1	Steps for Silo	121 06							121 06		
5-5	tire Repair -OLds	5 00					5 00				
5-5	Paint for Barn	87 44								87 44	
Totals to page 51		4779 17		1533 96	69 57		848 54	139 45	1052 90	1135 05	

REPAIRS

1	2	3	4	5	6	7	8	9	10	11	12
Date	Description	Total Value		Tractor and Crop Machinery	100% Truck 1	Truck 2	50% OLds Auto 1	L.T.D. Auto 2	Livestock Equipment	Farm Real Estate	Personal Residence
6-1	Car ramps - LTD	25 07						25 07			
6-3	Vehicle Insurance	439 00			61 00		131 00	247 00			
6-3	UNIV. belts, mucker, fastening chains	290 07							290 07		
6-9	720 parts - hay rack belts	50 18		50 18							
6-20	tire, battery - Osmondson	80 00		80 00							
7-7	BOLTS, supplies - tractor	176 55							176 55		
7-8	traces for Windbreak	35 30								35 30	
7-9	BARN Repair	1609 37								1609 37	
7-23	Silo Unloader Repair	82 31							82 31		
8-11	tire for Hay Wagon	59 01		59 01							
8-12	tractor Parts	36 21		36 21							
8-12	Osmondson - tractor	15 82		15 82							
8-15	Siding for Sheds	8 86								8 86	
8-26	Silo Unloader Repair	168 91							168 91		
8-26	Paint for Sheds	19 93								19 93	
8-28	Joe's Garage - LTD	9 36						9 36			
9-16	BOLTS & Silo Parts	126 87							126 87		
10-6	Repair - LTD	66 97						66 97			
10-9	Wagon Repair	127 66		127 66							
10-15	tire Rep, Filter - tractor	14 58		14 58							
10-16	Silo parts - UNLoader	45 96							45 96		
10-26	Portable Auger - Repair	59 38		59 38							
10-29	tractor Repair	272 12		272 12							
10-30	FLOats - tools	24 58							24 58		
10-30	Joe's Garage - LTD	107 78						107 78			
11-2	Gravel - Lime	139 31								139 31	
11-13	Osmondson - tract. Rep.	953 38		953 38							
11-14	Co-op - tractor tire	56 96		56 96							
11-21	tractor Parts - Repair	148 70		148 70							
11-23	Silo UNLoader Parts, Rep	105 75							105 75		
12-2	Vehicle Insurance	434 00			61 00		126 00	247 00			
Totals to page 61		5789 95		1874 00	122 00		257 00	703 18	1021 00	1812 77	

61

1	2	3	4	5	6	7	8	9	10	11	12
Date	Description	Total Value		Tractor and Crop Machinery	Truck 1	Truck 2	50% Olds Auto 1	L.F.D. Auto 2	Livestock Equipment	Farm Real Estate	Personal Residence
12-3	Joe's Garage - Olds Rep	56 60					56 60				
12-10	Lumber for bin	338 43								338 43	
12-18	UNIVERSAL MILKER Repair	86 21							86 21		
12-23	Leroy's IMP. J.D. Parts	69 04		69 04							
Totals—page 61		550 28		69 04			56 60		86 21	338 43	
Totals—page 60		5789 95		1874 00	122 00		257 00	703 18	1021 00	1812 77	
Totals—page 59		4779 47		1533 96	69 57		848 54	139 45	1052 90	1135 05	
Totals—page 58											
Totals—page 57											
Totals—page 56											
Totals—page 55											
Grand Totals		11119 70		3477 00	191 57		1162 14	842 63	2160 11	3286 25	
Household and Personal Share		1423 70					581 07	842 63			
Farm Share		9696 00		3477 00	191 57		581 07	0 00	2160 11	3286 25	

65

WITHHOLDINGS & CONTRIBUTIONS PAYMENT RECORD											UNPAID FAMILY LABOR AND BOARD FURNISHED HIRED LABOR						
15	TO: INTERNAL REVENUE SERVICE				TO: WORKMAN'S COMPENSATION				TO:			26	27	28	29	30	31
For Period	16 Payment Date	17 Check No.	18 Amount	19 Receipt No.	20 Payment Date	21 Check No.	22 Amount	23 Payment Date	24 Check No.	25 Amount	Month	Days Wrkd. by Unpaid Family Labor (Not Oper.)	Days of Hired Labor Boarded	Month	Days Wrkd. by Unpaid Family Labor (Not Oper.)	Days of Hired Labor Boarded	
1 st Quarter	4-10		183 90								Jan.	7	31	Aug.	31	31	
2 nd Quarter	7-9		269 72								Feb.	3	28	Sept.	7	30	
3 rd Quarter	10-7		220 68								Mar.	6	31	Oct.	7	31	
											Apr.	7	30	Nov.	9	30	
(owed for											May	7	31	Dec.	10	31	
4 th Quarter)			516 16								June	30	30	Totals	155	365	
(to P.69)											July	31	31	Value	3875	1825	
											Estimate the number of days needed by an average worker to do the work done by members of the family who do not get regular wages. If members of the family receive regular wages, record the days or months worked and the wages on page 62, 63, 64, or top of 65. Value "Days of Hired Labor Boarded" at cost for room, board, laundry and other services rendered						
Totals, bring for to A above			1190 48	XXX	transfer to A above			transfer to A above									

paring state and federal tax returns. List here travel expense, including meals and lodging, incurred while attending farm meetings. Enter reimbursement for such expense under "Income from Work Off the Farm."

[illegible]

CO-OP PATRONAGE REFUNDS AND PER UNIT RETAINS

CUSTOM AND OTHER FARM LABOR INCOME 67

1	2	3	4	5	6	7	8
Date	Description	Total Value	Cash Received	Equity Received	Year	Cash Refund of Old Equity	Invest Credit
3-9	FLeVator	1169 84			1974	1169 84	
9-23	Co-op	685 67	174 73	510 94			
9-23	Mid AM	834 86	166 98	667 88			
10-28	REA	55 73			1961	55 73	
12-8	FLeVator	2952 04	590 41	2361 63			
Totals		5698 14	932 12	3540 45	XXXXXX	1225 57	

Enter here all receipts from work done off the farm by regular farm labor and machinery. Payments for the operator's time, when attending director's meetings or otherwise working for farm organizations should be entered here as well.

[illegible]**MISCELLANEOUS FARM INCOME**

Enter here items of farm income which cannot be entered in some other account, such as agricultural conservation payments.

9	10	11	12	13
Date	Description	Total Value		
4-30	Real Estate tax Refund	350.00		
Totals		350.00		

CO-OP PATRONAGE REFUNDS

Enter amount received in cash (commonly, 20%) in column 4.

Enter equity received in current year in column 5.

Enter cash received on *old* equity accounts in column 7. Put the year for which the equity was received. (The cash received on old equity is not taxable if it was reported when received as equity.)

In column 8 record the Investment Credit earned from Co-op Patronage during the year.

68 REAL ESTATE TAXES							
1 Date	2 Description	3 Acres	4 Total Value	5 Operator's Share	6 Landlord's Share		
March	Owned Real Estate—1st Half	317	1243 13	1243 13	XX XX		
Oct.	—2nd Half	317	1243 13	1243 13	XX XX		
	Owned Real Estate—1st Half				XX XX		
	—2nd Half				XX XX		
March	Rented Real Estate—1st Half	40	157 00	XX XX	157 00		
Oct.	—2nd Half	40	157 00	XX XX	157 00		
	Property tax refund		-()	-()	-()		
Total Taxes			2800 26	2486 26	314 00		
Household Share			124 31	124 31			
Farm Share			2675 95	2361 95	314 00		

ELECTRICITY EXPENSE				TELEPHONE EXPENSE			
Farm Share 20 %				Farm Share 20 %			
11 Month	12 Total Value	13 Op's Share	14 Lid's Share	15 Month	16 Total Value	17 Op's Share	18 Lid's Share
January	180 19			January	23 41		
February	324 10			February	26 71		
March	363 62			March	18 65		
April	274 42			April	20 95		
May	261 45			May	20 19		
June	237 67			June	17 07		
July	216 33			July	20 49		
August	196 11			August	22 05		
September	238 90			September	27 71		
October	251 16			October	31 82		
November	332 62			November	24 83		
December	335 78			December	23 98		
Totals	3212 35			Totals	277 86		
Household	642 47			Household	55 57		
Farm Share	2569 88			Farm Share	222 29		

***SPECIAL NOTE**

Gas tax credits will normally be non-cash, i.e. they will represent a reduction of income/S.E. taxes paid or an increase in income/S.E. tax refund.

FEDERAL & STATE INCOME & SELF EMPLOYMENT TAXES					
7	8	9	10		
Date	Description	Amount	Amount		
PAID					
FEDERAL					
	Federal income tax withheld-year total				
	Federal income tax paid-estimate-first quarter			XX	
	-second quarter			XX	
	-third quarter			XX	
	-fourth quarter			XX	
	Total paid with estimates				
4-2	Federal income and self employment taxes paid with final return		130	10	
	Subtotal Federal				
STATE					
	State income tax withheld-yearly total				
	State income tax paid-estimate-first quarter			XX	
	-second quarter			XX	
	-third quarter			XX	
	-fourth quarter			XX	
	Total paid with estimates				
	State income tax paid with final return				
	Subtotal State				
TOTAL					
	Total Federal Income, Self Employment, and State Income Taxes Paid				
REFUNDS					
4-20	Federal income & S.E. tax refund		161	46	
4-1	State income tax refund		299	91	
	Total Federal & State Income & S.E. refund		461	37	
GAS TAX CREDIT*					
4-2	Federal gas tax credit*		133	06	
4-1	State gas tax credit*		217	04	
	Total Gas Tax Credit*		350	10	

INVENTORY OF LIABILITIES

69

Enter here the liabilities owed at the beginning of the year, and also at the end of the current year. Enter only principal owed. List liabilities individually in the proper category. Enter non-farm liabilities according to category in the spaces provided. For intermediate and long-term liabilities, indicate the amount of principal due and

the month the payment is due for this year in columns 6-7 and for next year in columns 9-10. This information is necessary for the coordinated financial statements used by some lenders, as well as for making cash flow projections. New money borrowed during the year should be entered on page 71.

1	2	3	4	5	6	7	8	9	10
Type and Description	Beginning Inventory	Ending Inventory	Type and Description	Beginning Inventory	Due This Year Amount	Mo.	Ending Inventory	Due Next Year Amount	Mo.
Accounts Payable			Chattel Mortgages and Notes over 12 mo.						
IRS - FICA 4 th Quarter		516.16	PCA	97123.05			105765.00		
Vet CLINIC	129.00								
Car gas, Co-op	702.00	1171.16							
Tractor gas, diesel, Coop	1323.00	1593.16							
Lime	469.00								
Feed - Co-op	1999.00								
Non-Farm Accounts Payable									
A. SUBTOTAL ACCOUNTS PAYABLE	4622.00	3280.48	Non-Farm Chattel Mortgages and Notes						
Notes (12 mo. or less)									
ASC - 1980	5655.00								
Car - (Farm)	625.00	125.00							
John Deere		17003.00	C. SUBTOTAL CHATTEL MORTGAGES	97123.05			105765.00		
ASC - 1981		5570.08	Real Estate Mortgages and Contracts						
			FHA	73639.00			73140.00		
			FLB	82588.00			82217.00		
Non-Farm Notes			Non-Farm/Real Estate Mortgages and Contracts						
Car - (Personal)	625.00	125.00							
			D. SUBTOTAL REAL ESTATE MORTGAGES	156227.00			155357.00		
			A. SUBTOTAL ACCOUNTS PAYABLE	4622.00			3280.48		
			B. SUBTOTAL NOTES	6905.00			21823.08		
			C. SUBTOTAL CHATTELS	97123.05			105765.00		
			Total Liabilities (A + B + C + D)	264877.05			287225.56		
			Total Non-Farm Share	625.00			125.00		
B. SUBTOTAL NOTES	6905.00	22823.08	Total Farm Share	264252.05			287100.56		

Enter payments on current accounts here only if the liability was listed on the Beginning Inventory. Payments made on current accounts not shown on the beginning inventory may be recorded on pages 72-74.

1 Date	2 For What and to Whom Paid	3 Principal	4 Interest	5 Date	6 For What and to Whom Paid	7 Principal	8 Interest	9 Date	10 For What and to Whom Paid	11 Principal	12 Interest
				1-31	PCA	14807 68	944 -	1-12	Co-op on acct.	254 00	
				2-28	PCA	4827 27	934 -	1-20	Vet. on acct.	129 00	
				3-31	PCA	14322 -	881 20	2-28	Federal Land Bank	169 64	4249 34
				4-30	PCA	8314 55	1377 -	4-1	Lime on acct.	468 78	27 96
				5-31	PCA	4878 40	782 -	6-9	Co-op on acct.	1140 93	60 66
				6-30	PCA	6798 73	538 -	6-9	Inter-st on Coop acct.		124 47
				7-31	PCA	9730 95	1419 -	8-29	Federal Land Bank	201 18	4478 63
				8-31	PCA	12903 60	2411 -	9-30	Co-op on acct.	584 92	
				9-30	PCA	10163 38	685 -	9-30	Sealed Beans	5655 86	491 83
				10-31	PCA	16763 -	1695 -	10-3	Co-op on acct.	2041 13	136 42
				11-30	PCA	11940 10	825 -	11-21	Car (personal)	500 00	125 00
				12-31	PCA	13680 44	1722 -	11-21	Car (farm)	500 00	125 00
								11-13	Interest on Co op		244 87
					MILK Assignments	27670 -	3420 -	12-5	FHA	500 00	4208 00
								12-29	Interest on Elec. Bill		49 11
								Totals—columns 11-12		12145 44	14376 29
								Totals—columns 7-8		156800 10	17633 20
								Totals—columns 3-4			
								Grand Total		168945 54	32009 49
								Non-Farm Share		500 00	125 00
								Farm Share		168445 54	31884 49
					Totals to columns 11-12	156800 10	17633 20				

71

Outstanding accounts at the close of the year should be listed here as money borrowed, and should also be listed on the End of Year Inventory on page 69.

Balance each liabilities account in the columns below and the total liabilities in the total column

Total Liabilities

264877

191295

456172

168946

287226

287226

100% 95% 90% 85% 80% 75% 70% 65% 60% 55% 50% 45% 40% 35% 30% 25% 20% 15% 10% 5% 0%

SUPPLEMENTARY RECORDS OF CHARGE ACCOUNTS WITH SUPPLIERS AND SELECTED ACCOUNTS WITH MAJOR LENDERS

INSTRUCTIONS FOR PAGES 72-74

Use this section if you wish to keep a running account balance for major suppliers with whom you charge purchases or on major loans where there is frequent activity. Begin each account by listing the beginning of the year balance. If you record each transaction when you borrow more money or charge purchases to your supplier and each

transaction where you paid on the loan or account, then you should always have an account balance that agrees with the amount still owed to the lender or supplier. *These are supplementary records.* Be sure also to record all purchases, new loans and money paid on principal and interest in the appropriate sections of the account book.

Credit Vendor Co-opTYPE OF ACCOUNT Car gas + tractor gas + dieselCredit Vendor Co-opTYPE OF ACCOUNT Feed

1 Date	2 Description	3 Interest Paid	4 Paid on Account	5 Charged on Account	6 Account Balance	7 Date	8 Description	9 Interest Paid	10 Paid on Account	11 Charged on Account	12 Account Balance
1/1	Beginning Balance	X	X	X	X	1/1	Beginning Balance	X	X	X	X
6-9	Interest	124 47			2025 00	1-12	Paid on account		254 -		1745 00
10-3	Paid on account	136 42	2021 98		3 02	6-9	Paid on account	60 66	1140 93		604 07
11-13	Interest	299 87			3 02	9-30	" " "		584 92		19 15
12-31	Car gas			1171 16	1174 18	10-3	" " "		19 15		-
12-31	tractor gas			702 -	1876 18						
12-31	Diesel Fuel			891 16	2767 34						
12/31	Ending Balance	X	X	X	X	12/31	Ending Balance	X	X	X	X
Totals					XX	Totals					XX

77

*Do not enter expenses both here and in columns 4 or 5 on pages 78-89. Enter such possible tax deductible items either here or there, but not both.

81

[illegible]

[illegible]

83

[illegible]

[illegible]

85

1 Date	2 Description	3 Total Value	TAX DEDUCTIBLE				6 Food and Meals	7 Heating Fuel and Operating Expenses	8 Furnishings and Equipment	9 Material and Clothing	10 Personal Care Spending	11 Education	12 Recreation	13 Gifts and Special Events
			4	5										
8-3	J-C Penny's - Jeans & Shirt	97 69								97 69				
8-4	Groceries	187 54				187 54								
8-6	Movie tickets	25 00											25 00	
8-7	Baby Gift	20 50												20 50
8-11	Bath Mat & towels	35 86					35 86							
8-13	Blue Goose Restaurant	63 54				63 54								
8-15	Shampoo, Soap, etc	29 43								29 43				
8-17	Door Repair	21 78					21 78							
8-21	Groceries	217 78				217 78								
8-24	AVON	8 14								8 14				
Totals to page 90		707 26				468 86	57 64			97 69	37 57		25 00	20 50

[illegible]

87

[illegible]

1 Date	2 Description	3 Total Value	TAX DEDUCTIBLE		6 Food and Meals	7 Heating Fuel and Operating Expenses	8 Furnishings and Equipment	9 Material and Clothing	10 Personal Care Spending	11 Education	12 Recreation	13 Gifts and Special Events
			4	5								
11-2	Basketball Shoes	50 00						50 00				
11-6	Christmas Gifts	83 37										83 37
11-8	Joe's Gun Repair	9 69									9 69	
11-10	Graceries	176 42			176 42							
11-11	Locker Rental - Beef	146 19				146 19						
11-12	Aquarium tank & Supplies	18 56						18 56				
11-14	Horse Halters	18 54									18 54	
11-17	tupper ware	28 21				28 21						
11-21	Boots	22 66						22 66				
11-24	Graceries	191 65			191 65							
11-27	Shampoo, Soap, ect.	24 38						24 38				
Totals to page 90		769 67			368 07	174 40		72 66	42 94		28 23	83 37

89

1	2	3	TAX DEDUCTIBLE		5	7	8	9	10	11	12	13
Date	Description	Total Value	4	5	Food and Meals	Heating Fuel and Operating Expenses	Furnishings and Equipment	Material and Clothing	Personal Care Spending	Education	Recreation	Gifts and Special Events
12-3	Christmas Gifts	634 60										634 60
12-5	Groceries	219 42			219 42							
12-6	Boots, Underwear	66 89						66 89				
12-6	Locker rental - Neg & Boof	40 50				40 50						
12-8	CCD Education	40 00								40 00		
12-11	Basketball game	7 50									7 50	
12-11	Shampoo, Soap, ect.	31 59							31 59			
12-12	Blue Goose Restaurant	65 00			65 00							
12-16	Butter from milk check	195 53			195 53							
12-21	Vacuum bags & Paint	60 74				60 74						
12-27	Groceries	201 82			201 82							
Totals to page 90		1563 59			681 77	101 24		66 89	31 59	40 00	7 50	634 60

90 SUMMARY OF MONTHLY HOUSEHOLD AND PERSONAL EXPENSES																Summary Monthly Personal Tax Deductible Expenditures page 77		16 Total Family Living Columns 3 + 14 + 15
1 Month	2 Page	3 Sum of Columns 4-13	TAX DEDUCTIBLE		6 Food and Meals	7 Heating Fuel and Operating Expenses	8 Furnishings and Equipment	9 Material and Clothing	10 Personal Care Spending	11 Education	12 Recreation	13 Gifts and Special Events	14 Contributions Church, Charity	15 Medical Expenses and Insurance				
			4	5														
Jan.	78	743 -			493 -	100	6	39	61		44		16	421	1180			
Feb.	79	844 -			352 -	66	224		35	75	70	22	4	375	1223			
Mar.	80	705 -			407	122		48	67		41	20		346	1051			
Apr.	81	1295 -			403	88	500	74	169		42	20	20	280	1595			
May	82	765 -			345	272			81		33	34		249	1014			
June	83	2544 -			404	85	1500	192	32		330			308	2852			
July	84	660 -			393	51	13	65	47		70	21		287	947			
Aug.	85	707 -			469	58		98	38		25	20		363	1070			
Sept.	86	840 -			425	97		142	46		103	28		452	1292			
Oct.	87	578 -			450	49			36		11	32	7	306	891			
Nov.	88	770 -			368	174		72	43		28	83	20	312	1102			
Dec.	89	1564 -			682	101		67	32	40	8	635	320	383	2267			
Year Total		12015 -			5191	1263	2243	797	687	115	805	915	387	4082	16484			

POSSIBLE TAX DEDUCTIONS (page 77)

CONTRIBUTIONS TO CHURCH AND CHARITY: Contributions to church, Red Cross, Community Chest, other charities; religious, educational, scientific or literary organizations, public projects and memorials (if approved as deductible by the Bureau of Internal Revenue and state income tax department).

MEDICAL EXPENSE, HOSPITALIZATION INSURANCE: dentist, doctor, oculist, nurse, hospital charges, drugs, medical supplies, eye glasses, dentures, hearing aids, health, medical and hospital insurance, Blue Cross and Blue Shield plans.

SUGGESTIONS FOR CLASSIFYING HOUSEHOLD AND PERSONAL EXPENSES (pages 78-89)

FOOD AND MEALS BOUGHT: Fruit, vegetables, cereal, sugar, flour, meat, baked goods, candy, ice cream, beer and liquors, garden seeds, and meals purchased away from home.

HEATING FUEL AND OPERATING EXPENSES: Laundry and sewing supplies, heating fuel, household help, matches, soap, stationery, stamps, storage, expressage, plants and flowers for the house.

FURNISHINGS AND EQUIPMENT: Furniture, piano, rugs, stove, electrical equipment, drapes and curtains, lawn mower, garden cultivator.

CLOTHING AND CLOTHING MATERIALS: Dry cleaning, laundry service, tailoring, dress-making materials, jewelry, gifts of clothing to members of family, special sewing supplies, clothing for all members of family.

PERSONAL CARE AND SPENDING: Personal services—hair cuts, hair waves; cosmetics, toilet articles, cigarettes and tobacco; other items with personal spending money.

EDUCATION: School supplies, books, tuition and fees, transportation to and from school.

RECREATION: Newspapers, magazines, club dues, concerts, lectures, movies, athletic equipment and events, pets, camera and supplies, radio, television, music and musical instruments, vacations (including transportation and meals) babysitting.

GIFTS AND SPECIAL EVENTS: Gifts outside the family, weddings, funerals, anniversaries.

Transfer TOTAL FAMILY LIVING (household and personal expenses plus contributions, church, charity, medical expenses and insurance) to line 41, page 93, ACTUAL CASH FLOW SUMMARY.

INSTRUCTIONS FOR USE OF ACTUAL CASH FLOW

The cash flow should show when the actual income and expenditure occurred.

Income: Add lines 1 through 15 to equal line 16. The total income generated by the farm or ranch. Lines 16, 17, 18 and 19 = line 20, the total income for the period.

Expenditures: Add lines 21 through 38 to get the total farm or ranch operating expenditure for the time period. Add lines 39, 40 and 41 to equal line 42. Note: Line 40 includes only the Capital Purchases found on page 50. Breeding stock is included on line 21 from the appropriate pages. Note: Line 41 includes all purchases by the family, including Personal Insurance, Federal and State Taxes, Personal Capital Purchases, plus routine day-to-day expenditures.

Line 43 shows the difference between the money earned (line 20) and the total purchases (line 39). (line 20 — line 39 = line 43.) Line 43 shows whether your farm, ranch, and personal earnings are generating sufficient cash to cover the expenditures during the time period.

Line 44: The beginning checkbook balance from the start of your fiscal year for the first period. After that, the ending checkbook balance. Line 49 at the end of each month becomes the beginning balance for the next month.

Line 45: Margin money. When you had to add money to your margin account, (in) it becomes a negative figure subtracted from your money supply. Money drawn out of your account (out) will be added to your money supply.

Line 46: Savings. When you put money into your saving account, it removes money from your supply. When you take it out of your savings account, and put it into your checking, it adds money to your supply.

Line 47: Debt payment subtracted from your money supply.

Line 48: Money borrowed added to your money supply.

Line 49: Is the result of adding lines 43, 44, 45, 46 and 48, minus lines 45 and 46 (if money is put into accounts) and line 47 equals line 49. Should equal line 50 if all transactions are accounted for. Line 51 would show the difference between lines 49 and 50.

Line 52: Current balance of accounts due at the end of each period. Just a list showing what part of the total debt line 53 is in account owed. An increase in payables should be shown in line 48 (money borrowed). Similarly a decrease should be shown in line 47 (debt payment).

Line 53: A rolling balance showing the Total Debt Load at the end of each period. Debt payment (line 47) reduces the total debt load (line 53). Money borrowed (line 48) during the period increases the current debt load.

ACTUAL CASH FLOW

Line No.	Item	Page Number	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total for Year
INCOME															
1	Milk	2	10856	10962	8890	8113	7414	6193	7789	8258	8248	8557	9523	8818	103621
2	Cattle	5, 7, 9, 11-13	3700	2329			2267	918	2089	1403	8773	2893	10028		34400
3	Hogs	15-18	1479		884	1888		839		2636	2997		7098	1967	19788
4	Other Livestock ()	19-22													
5	Other Livestock ()	19-22													
6	Crop ()	42-43										340			340
7	Crop ()	42-43										7562			7562
8	Crop ()	42-43									3147	200			3347
9	Crop ()	42-43													
10	Resale Items	44													
11	Lease Income	51													
12	Capital Sales Except Breeding Livestock	51													
13	Custom Work Done	67													
14	Co-op Dividend—Cash	67			1770						342	56		590	2158
15	Refund & Misc. Income	67				350									350
16	Total Farm Income	XXXXXXX	16035	13291	10944	10351	9681	7950	9878	12297	23507	19608	26649	11375	171,566
17	Non-Farm (Wages)	76													
18	Non-Farm Interest & Dividends	76													
19	Non-Farm Gift & Other	76				969									969
20	Total Earned Income	XXXXXXX	16035	13291	10944	11320	9681	7950	9878	12297	23507	19608	26649	11375	172535
EXPENDITURES															
21	Breeding Stock Purchased	4, 6, 9, 15, 19, 22													
22	Livestock Bought for Resale	11, 15									9815	3700			13515
23	Misc. Livestock Expense	23-27	297	226	1211	429	148	609	172	613	194	209	174	570	4852
24	Feed Purchased	30-39	1434	1218	1253	1498	1328	1770	1696	1867	1895	2538	2265	3850	22612
25	Resale Items Purchased	44													
26	Fertilizer Bought	45				9729					544				10273
27	Chemical Bought	46				4900									4900
28	Seed and Other	47-48			1572	1378	1259	220		80		2560	2541	976	10586
A	Subtotal Cash Outflow Transfer to Page	93	1731	1444	4036	17934	2735	2599	1868	2560	12448	9007	4980	5396	66738

ACTUAL CASH FLOW

93

Line No.	Income	Page Number	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total for Year
B	Subtotal Cash Expenditures from Page	92	1731	1444	4036	17934	2735	2599	1868	2560	12448	9007	4980	5396	66738
29	Custom Work Hired	49	308	283	233	278	178	799	294	454	491	376	606	432	4732
30	Rent & Lease	51			3200										3200
31	Gas, Fuel, Oil	52-54	1		32		28	1517			30		1792	5653	9052
32	Repairs	55-61	872	1310	1087	1296	214	884	1904	318	127	719	1404	984	11,119
33	Wages and Deposits	62-65	469	469	470	935	845	469	739	469	751	756	544	2872	9788
34	Farm Insurance	66		1407							80		183		1670
35	General Farm	66	166	107		189	34	12						175	683
36	Taxes Real Estate	68			1243							1243			2486
37	Utilities	68	204	351	382	295	282	255	237	218	267	283	357	360	3491
38	Interest	70	1312	5553	1176	1670	1022	918	1643	7160	1477	2113	1694	6271	32,009
39	Total Farm Operating Expenditures	XXXXXXX	5063	10924	11859	22597	5338	7453	6685	11179	15671	14497	11560	22143	144,968
40	Capital Purchases to Boot	50	5717		468			2400				17864		5465	31914
41	Total Family Living Cost	77-90	1180	1223	1051	1595	1014	2852	947	1070	1292	891	1102	2267	16484
42	Total Purchases	XXXXXXX	11960	12147	13378	24192	6352	12705	7632	12249	16963	33,252	12662	29875	193,367
43	Cash Balance	XXXXXXX	4075	1144	-2434	-12872	3329	-4755	2246	48	6544	-13644	13987	-18,500	-20832
44	Beginning Checkbook Balance	XXXXXXX	969	855	636	5793	616	1054	2425	1742	1867	2101	2293	4577	969
45	Margin Money In (-) or Out (+)	99-101													
46	Savings Trans In (-) or Out (+)	76													
47	Debt Payment (-)	70-74	18080	7914	16694	10949	6862	9603	11814	15311	18607	21090	15488	16533	168,945
48	Money Borrowed (+)	71-74	13891	6551	24285	18644	3971	15729	8885	15388	12297	34926	3785	32426	190,778
49	Calculated Checkbook Balance	XXXXXXX	855	636	5793	616	1054	2425	1742	1867	2101	2293	4577	1970	1970
50	Actual Checkbook Balance	XXXXXXX													
51	Discrepancy	XXXXXXX													
52	Accounts Payable	72-74													
53	Current Debtload	69	26068	25935	266916	274611	271720	277846	274917	274994	268684	282520	270817	286710	286710

GENERAL FARM INFORMATION AT THE END OF THE BUSINESS YEAR

NAME

DATE _____

FAMILY INFORMATION

1. Children under 7 years.....	×	.4	=	
2. Children from 7 to 12 years.....	×	.6	=	
3. Girls from 13 to 18 years.....	1	×	.8	= .8
4. Boys from 13 to 18 years.....	2	×	.9	= 1.8
5. Women and Men 19 years and older.....	2	×	1.0	= 2.0
Total.....				4.6

FARM LABOR INFORMATION

1. Days of day labor hired days

2. Months of monthly labor hired 18.0 month

3. Hired labor boarded by:

operator

365 days \times \$ 5 /^{day}/_{week} = 1825

partner(s)

_____ days \times \$_____/meal = _____

4. Unpaid family labor:

$$\underline{155} \text{ days} \times \$ \underline{25} / \text{day} = \$ \underline{3875}$$

_____ months \times \$_____/month = \$_____

5. Number of operators on the farm..... 1

6. Months worked by the operator 12.0

7. Months worked by the partner(s)

8. Value of the partner(s) labor

MISCELLANEOUS INFORMATION

1. Circle Owner, Renter, and/or Partner

Notes:

ADDITIONAL LIVESTOCK INFORMATION 105

Name of Livestock

Allocation Factor

Livestock
Equipment
Allocation
Factor

**Building
Cost
Allocation
Factor**

Dairy Cows	1.00	5	5
Other Dairy	1.00	5	5
Beef Feeding	1.00	5	5
Hogs Farm to Finish	1.00	5	5

CROPS	XXXXX	XXXXXXXX
-------	-------	----------

ADDITIONAL CROP INFORMATION

Name of Crop	Rental Value of Land/Acre	Power Cost Allocation Factor	Acre Inches, Hours or Times Irrigated
CORN - GRAIN	80	1.00	
CORN Silage	80	1.00	
Oats	80	1.00	
ALFALFA	80	1.00	
SOYBEANS	80	1.00	

106	Name	Age	Months Lived at Home
Operator	CHET	48	12
Spouse	KATHY	48	12
Operator			
Spouse			
Boys	JOHN	21	12
	BOB	17	12
	DICK	14	12
Girls			
Parents			
Other			

GENERAL FARM INFORMATION AT THE END OF THE BUSINESS YEAR

Are the following parts of this account book complete enough to use in your annual farm business and enterprise analysis?

1. Farm section of inventories, sales and purchases? ☒ YES ☐ NO
2. Inventories of non-farm assets (including cash on hand) and liabilities? ☒ YES ☐ NO
3. Household and personal expenses? ☒ YES ☐ NO
4. Inventories of farm liabilities, new borrowings, and payments on principal and interest payments? ☒ YES ☐ NO
5. Enterprise accounts? ☒ YES ☐ NO

YES ☒ NO ☐ If yes, then what share?

If this farm/ranch business is a partnership then: livestock only?

crops only?

all?

Date: From 1/1 to 12/31 19 81

Name: CHET WHITE County: SOUTHEAST

CROP AND FEED CHECK
for
THE ACCOUNT BOOK
(Sixth Edition)

SEE INSTRUCTIONS
PAGE 98

111

Crop or Feed		Corn		Oats		Corn Silage		Alfalfa Hay		Protein, Salt & Mineral				
Unit of Measure		Tons, Bu., Lbs.	Value	Tons, Bu., Lbs.	Value	Tons, Bu., Lbs.	Value	Tons, Bu., Lbs.	Value	Tons, Bu., Lbs.	Value			
WHERE FEED CAME FROM	Purchases, pages 30-37	COWS 449	1023 ⁴⁵	Feeders 340	654 ⁰⁰					O.D. 11,125	2120 ¹⁴			
		Hogs 449	1023 ⁸⁵							COWS 59,200	7318 ⁶¹			
		Feeders 255	566 ⁴⁵							Hogs 53,975	8372 ⁴⁵			
										Feeders 10,616	1534 ³⁶			
	TOTAL PURCHASES	1153	2614 ¹⁵	340	654 ⁰⁰									
	Beg. Inventory, pages 40-41	7000		120		656		119						
	Crops Raised, page 39	15,902	XX	2755	XX	1204	XX	186	XX		XX			
	A. TOTAL SUPPLY	24,055		3215		1860		305			19,345 ³⁶			
SALES SEEDED WASTE ENDING INVENTORY	Sales, pages 42-44													
				1873										
	TOTAL SALES			1873										
	Seeded, page 39		XX	120	XX		XX		XX		XX			
	Ending Inventory, pages 40-41	13,554		472		829		72		Hogs 800 COWS 1000	119 20 110 15			
	B. TOTAL	13,554		2465		829		72			229 ³⁵			
C. Difference (A - B - C)		10,501		750		1031		233			19,116			
FED	Reported	Adjusted	Value	Reported	Adjusted	Value	Reported	Adjusted	Value	Reported	Adjusted	Value		
FEED USED BY LIVE- STOCK	Dairy Cows	5154					571			165			58,260 7208 ⁴⁹	
	Other Dairy Cattle	1342					360			30			11,125 2120 ¹⁴	
	Beef Breeding Herd													
	Feeder Cattle	745			750		100			38			10,686 1534 ¹⁶	
	Hogs	3260											53,175 8253 ²⁵	
(Totals from pages 26-27)														
D. Total Feed Used (D must equal C)		10,501			750			1031			233			19,116

CROP AND FEED CHECK
for
THE ACCOUNT BOOK
(Sixth Edition)

SEE INSTRUCTIONS
PAGE 98

Date: From _____ to _____ 19 _____

Name: _____ County: _____

Crop or Feed		Corn		Soybeans													
Unit of Measure		Tons, Bu., Lbs.	Value	Tons, Bu., Lbs.	Value	Tons, Bu., Lbs.	Value	Tons, Bu., Lbs.	Value	Tons, Bu., Lbs.	Value	Tons, Bu., Lbs.	Value	Tons, Bu., Lbs.	Value	Tons, Bu., Lbs.	Value
WHERE FEED CAME FROM	Purchases, pages 30-37																
TOTAL PURCHASES																	
Beg. Inventory, pages 40-41				1147													
Crops Raised, page 39			XX	1260	XX		XX		XX		XX		XX		XX		XX
A. TOTAL SUPPLY				2407													
SALES SEEDED WASTE ENDING INVENTORY	Sales, pages 42-44																
TOTAL SALES				1147													
Seeded, page 39			XX		XX		XX		XX		XX		XX		XX		XX
Ending Inventory, pages 40-41				1260													
B. TOTAL				2407													
C. Difference (A - B - C)				0													
FED		Reported	Adjusted	Value	Reported	Adjusted	Value	Reported	Adjusted	Value	Reported	Adjusted	Value	Reported	Adjusted	Value	
FEED USED BY LIVE- STOCK	Dairy Cows																
	Other Dairy Cattle																
	Beef Breeding Herd																
	Feeder Cattle																
	Hogs																
(Totals from pages 26-27)																	

Total Feed Used

RULES FOR ESTIMATING QUANTITIES OF GRAINS AND ROUGHAGES

- (1) **To Measure Grain in a Bin.** Obtain the cubic feet of grain in a bin by multiplying the length by the width by the depth of level grain. Divide by 1¼ (or multiply by 0.8) to find bushels by volume. Multiply this total by the test weight and divide by the standard weight to find the number of bushels of standard weight.

- (2) **To Find Bushels of Ear Corn in a Crib.**

Rectangular Crib—Find the cubic feet of ear corn by multiplying the length by the width by the depth of corn. To find the bushels of corn, divide the cubic feet by the conversion factor which applies from the table below.

Round Crib—Find the cubic feet of ear corn by squaring the circumference (distance around the crib) and multiplying by the depth of corn inside. Multiply this figure by 2/25. (This is the same as $\pi r^2 \times \text{depth of corn}$.) To find the bushels of corn, divide the cubic feet by the conversion factor which applies from the table below. Another formula is: Square the diameter and multiply by .628 to find the bushels of small grain and shelled corn or by .314 to find the bushels of ear corn.

Volume of Ear Corn with Different Moisture Contents Needed to Make 56 Pounds Dry Shelled Corn

Moisture content of kernels	—Cubic feet
13–15%—sound dry corn	2.50
20%—corn as husked when fully mature	2.75
25%—a few ears spongy or immature	3.10
30%—most ears spongy but kernels well dented	3.60
35%—most ears spongy and a considerable proportion of kernels not dented	4.20
40%—very soft immature corn	5.00

- (3) **To Find Tons of Hay**

Loose in Mow—Find the cubic yards of hay in the mow and divide by 15, if hay is well settled, or 18 if loose or not very deep, to estimate tons. If you find the cubic feet in the mow, divide by 450 to 512, depending on the condition of the hay and its depth.

Loose in Stack—Find the cubic feet of hay in the stack by multiplying the length by the width by the distance "over" the stack and dividing by 4. Divide the cubic feet by 450 to 512 to find the number of tons.

Bales—Weigh ten or more bales from each stack and cutting to determine an average weight per bale. (If possible, weigh after the hay has dried in the barn or stack.) Then multiply the number of bales by the average weight per bale and divide by 2000 to find the number of tons.

Chopped Hay—Find the cubic feet of chopped material. Divide by 200–250, depending on the length of cut and depth of hay, to find the number of tons.

- (4) **To Find Tons of Silage**

If no silage has been removed since filling, the tonnage can be determined directly. If some silage has been fed, the amount remaining can be determined by subtracting the amount fed from the total settled silage originally in the silo. For example: A 20 foot silo had 45 feet of settled

silage, or 350 tons. The top 10 feet were fed by January 1, or 41 tons. The difference, 309 tons, is the quantity of silage on January 1 in the bottom 35 feet of the silo.

Tons of haylage divided by 2 equals tons of hay equivalent.

To find tons of hay equivalent of haylage using the corn silage tables, use 28% of the tons of corn silage.

STANDARD WEIGHTS PER BUSHEL IN POUNDS (MINNESOTA)

Alfalfa	60	Oats	32
Barley	48	Onions	52
Brome grass	14	Peas, dry	60
Clover	60	Potatoes	60
Corn, shelled	56	Rye	56
Corn, dry ear	70	Sorghum grain	56
Flax	56	Soybeans	60
Kentucky blue grass	14	Timothy	45
		Wheat	60

SILLO CAPACITY CHART FOR GROUND EAR CORN*

Size of Silo	82.8 lbs. per bu. 2.15 cu. ft. per bu. 24% ground ear corn bushels	89.2 lbs. per bu. 2.25 cu. ft. per bu. 28% ground ear corn bushels	94.6 lbs. per bu. 2.34 cu. ft. per bu. 32% ground ear corn bushels
12x30	1,576	1,507	1,449
12x40	2,101	2,009	1,932
12x50	2,627	2,511	2,415
14x30	2,148	2,053	1,974
14x40	2,865	2,738	2,632
14x50	3,581	3,422	3,291
14x60	4,297	4,107	3,949
16x30	2,804	2,680	2,577
16x40	3,739	3,573	3,436
16x50	4,674	4,467	4,295
16x60	5,609	5,360	5,154
18x40	4,726	4,516	4,342
18x50	5,907	5,644	5,427
18x60	7,088	6,773	6,513
18x70	8,270	7,902	7,598
20x40	5,842	5,582	5,367
20x50	7,320	6,978	6,709
20x60	8,763	8,373	8,051
20x70	10,223	9,769	9,393
22x40	7,070	7,756	6,496
22x50	8,837	8,444	8,119
22x60	10,605	10,133	9,744
22x70	12,372	11,822	11,368
24x50	10,512	10,044	9,658
24x60	12,614	12,053	11,590
24x70	14,716	14,062	13,521
24x80	16,819	16,071	15,453

* Adapted in part from information in *Doane's Facts and Figures*, published by Doane Agricultural Service, 8900 Manchester Road, St. Louis, Missouri.

CAPACITY IN TONS PER FOOT OF LENGTH FOR TRENCH OR BUNKER SILOS

Average width, feet	5			6			7			8			9			10		
	Cu. ft.	Tons corn	Tons grass	Cu. ft.	Tons corn	Tons grass	Cu. ft.	Tons corn	Tons grass	Cu. ft.	Tons corn	Tons grass	Cu. ft.	Tons corn	Tons grass	Cu. ft.	Tons corn	Tons grass
8	40	.70	.90	48	.84	1.08	56	.98	1.26	64	1.12	1.44	72	1.25	1.62	80	1.40	1.80
10	50	.88	1.13	60	1.05	1.35	70	1.23	1.58	80	1.40	1.80	90	1.58	2.03	100	1.75	2.25
12	60	1.05	1.35	72	1.26	1.62	84	1.47	1.89	96	1.68	2.16	108	1.69	2.48	120	2.10	2.70
14	70	1.23	1.58	84	1.47	1.69	98	1.71	2.21	112	1.96	2.52	126	2.21	2.84	140	2.45	3.15
16	80	1.40	1.80	96	1.68	2.16	112	1.96	2.52	128	2.24	2.88	144	2.52	3.24	160	2.80	3.60
18	90	1.58	2.03	108	1.89	2.48	126	2.21	2.89	144	2.52	3.24	162	2.89	3.64	180	3.15	4.05
20	100	1.75	2.25	120	2.10	2.70	140	2.45	3.15	160	2.80	3.60	180	3.15	4.05	200	3.50	4.50
22	110	1.93	2.48	132	2.31	2.97	154	2.69	3.47	176	3.08	3.96	198	3.47	4.45	220	3.85	4.95
24	120	2.10	2.70	144	2.52	3.24	168	2.94	3.78	192	3.36	4.32	216	3.78	4.85	240	4.20	5.40
26	130	2.28	2.92	156	2.73	3.51	182	3.19	4.09	208	3.64	4.68	234	4.10	5.26	260	4.55	5.85
28	140	2.45	3.15	168	2.94	3.78	196	3.43	4.41	224	3.92	5.04	252	4.41	5.67	280	4.90	6.30
30	150	2.63	3.38	180	3.15	4.05	210	3.68	4.73	240	4.20	5.40	270	4.73	6.05	300	5.25	6.75

* From *Doane's Facts and Figures*, published by Doane Agricultural Service, 8900 Manchester Road, St. Louis, Missouri.