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#### FARM RECORDS AND ACCOUNTING

Records tell the farm manager where the business has been and whether its on the path to making profits and creating financial stability.

Records are the manager's report card because they show the results of management decisions over past period.

#### Purpose and use of Records

- · Measure profit and assess financial condition
- · Provide data for business analysis
- Assist in obtaining credit



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- Measure the profitability of individual enterprises
- Assist in the analysis of new investments
- Prepare income tax returns

#### **Farm Business Activities**



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- Balance sheet: is the report that shows the financial condition of the business at a point in time.
- Income statement: is a report of revenue and expenses ending with an estimate of net farm income.
- Enterprise reports: they are useful for determining which enterprises are contributing the most profit to the business and are suitable for expansion
- Income tax reports: the information from any farm accounting system must be sufficient to prepare the farm tax return
- Employee records: any business with employee must keep considerable data related to each employee. This includes not only information such as hours worked but financial data on gross pay, deductions for income taxes and social security.
- Depreciation schedule: Annual depreciation on all depreciable assets must be computed and recorded as an expense before an income statement can be produced.
- Inventory report: A useful report, particularly for large crop farms and livestock operations.

#### BASIC ACCOUNTING TERMS

- Account payable: An expense incurred but not yet paid. E.g. items charged at farm supply stores where purchaser is given 30 to 90 days to pay.
- Account receivable: Revenue for a product/service that has been sold/provided but no payment has been received.
- Accrued expense: An expense that accumulates/accrues daily but has not been paid (e.g., interest on loans and property taxes).
- Asset: Any item of value, tangible or financial on a farm or ranch, e.g. machinery, land, buildings, livestock
- Credit: An entry in accounting which is on the righthand side of a double – entry ledger. It is used to record a decrease in the value of an asset or increase in a liability.

- Debit: An entry on the left hand side of a double entry ledger. It is used to record an increase in an asset or expense account and decrease in a liability.
- Expense: a cost or expenditure incurred in the production of revenue.
- Inventory: The physical quantity and financial value of products produced for sale that have not yet been sold (e.g., grain in storage or livestock ready for sale).
- Liability: A debt or other financial obligation that must be paid in the future (e.g., loans from a bank, accounts payable and accrued expenses).
- Net farm income: revenue minus expenses. It is also the return to the owner's equity capital.
- Owner equity: the difference between business assets and business liabilities.
- Prepaid expense: a payment made for a product or service in an accounting period before the one in which it will be used to produce revenue.
- Profit: revenue minus expenses minus opportunity costs.
- Revenue: the value of products and services produced by a business during an accounting period. Revenue maybe either cash or noncash.

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### Accounting period

An accounting period is a period of time, such as a quarter or a year, for which a financial statement is produced.

#### Single Versus Double Entry

Single entry cash system: only one entry is made in the books to record a receipt or an expenditure.

**Double – entry** accounting, every transaction is entered twice. For every debit, there is an equal and offsetting credit and vice versa. A debit is simply an entry on the left side of the ledger, while a credit is an entry on the right side.

**Debits record** increases in asset accounts while credits record decreases in the value of asset accounts.

For example, a checking account balance is an asset account where a debit is an increase and a credit is a decrease in the account balance.

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# Chart of Accounts

Account	Description	Туре
Asset related accounts		
1010	Cash on hand	Cash
1020	Checking account	Cash
1100	Accounts receivable	Accounts receivable
1200	Inventory - crops	Inventory
1300	Inventory – market Evestock	Inventory
1500	Equipment	Fixed assets
	Building	Fixed assets
1600	Inventory – breeding livestock	Fixed assets
1690	Land	Fixed assets
	Accumulated depreciation	Accumulated depreciation
Liability - related accounts		
	Accounts payable	Accounts payable
	Current portion long term debt	Other current liabilities
2480	Other current liabilities	Other current liabilities
Revenue - related accounts		
4020		Income
4080	Sales livestock	Income
	Government payments	Income
4200	Other income	Income
	Gain on sale of assets	Income
Expense - related accounts		
6400	Crop expense	Expense
6500	Livestock expense	Expense
	Property taxes	Expense
	Insurance expense	Expense

# Double – Entry Accounting

Receive income from a crop sale Account 1010 Cash 4020 Crop sales	Debit (\$) 12,000	Credit (\$) 12,000	Comment Increase in asset Increase in income
Write a check for farm insurance Account 7050 Insurance Expense 1010 Cash	Debit (\$) 9,320	Credit (\$) 9,320	Increase in expense Decrease in asset
Borrow operating capital Account 1010 Cash 2010 Operating Ioan	Debit (\$) 15,000	Credit (\$) 15,000	Increase in asset Increase in liability
Depreciate machinery Account 6601 Depreciation expense – pick up 6602 Depreciation expense – tractor 1710 Accumulated depreciation	Debit (\$) 3,000 8,000	Credit (\$) 11,000	Increase in expense Increase in expense Decrease in asset
Pay account at feed store Account 2001 Account at County Feed 1010 Cash	Debit (\$) 1,200	Credit (\$) 1,200	Decrease in liability Decrease in asset

Design for Record Taking on a Crop Farm

- 1. Crop name:
- 2. Date planted:

Records

4. Harvests record

5. Sales record

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3. Chemical inputs record

**Ouantity** sold

3. Planting method: (e.g., direct seeding, transplanting, broadcast seeding, container planting)

Design for Record Taking on a Crop Farm

Machinery or Tota

1. Machinery and Equipment Record

Type of

2. Labor	Record			
Week	Amount of Hired/Family labor used		Total Cost of Hired labor	Total value of family labor
Week 1 Week 2				

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Design for **Record Taking** on a Livestock Farm (poultry, goats, sheep, and cattle)

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2. Other costs record : House or Pen Number...... Month/Quarter/Year

Item	Quantity	Cost
Day old chicks or pullets		
Labor		
Light and Heating		
Water		
Medications		
Depreciation on Housing		
Depreciation on Equipment		
Miscellaneous items		

3. Egg Production Record

Day	Number of Eggs Collected	Number of Cracked Eggs	Total Number of Good Eggs
1			
31 Total Number of Eggs for the month			

# 4. Flock Number Record

Day	Number of Birds	Number of Dead Birds	Number of Birds Removed	Number of Birds Remaining	Number of Birds Added
1					
31					

Total number of dead birds at the end of the month...... Total number of live birds at the end of the month...... Total number birds remaining at the end of the month..... 5. Egg Sales Record

Day	Eggs sold (in	Eggs sold (in Dozens)		Value of eggs sold	
1	Large	Small	Large Total value	Small	
31					
Total					

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# 6. Chicken (Meat) Sales Record

Day	Number of Birds	Value of Birds Sold	
1			
31			
Total			

#### Questions ?

Place an X to indicate whether each business event is a production, investment or financing activity



2. Explain the difference between an account payable and an account receivable?

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