Financial and Production Record keeping

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FIRST- what do you mean?

Production records?
Records for taxes?
Financial analysis/planning?
Comes down to- What are your goals???

General considerations

•Make time for recordkeeping, •Determine which information is economically feasible to collect •Summarize the data for use in the decision-making process •Know records needed for programs you are enrolled in- i.e.) FSA, grants, etc.

When?

- Need to set aside a time for record keeping and keep to that schedule.
 - Once a week is best.
 - Once a month is ok.
 - Once a quarter is the bare minimum.
 - Once a year is not enough.

Who?

- There should be one person in charge of maintaining the record keeping system.
 - Doesn't have to be the same person in charge of production and finance
- BUT everyone should take ownership of the record keeping system.
 - All individuals involved need to do their part to maintain the records.
 - This means:
 - Letting the record keeper know about items that need to be recorded.
 - Bringing in all receipts from the truck.
 - Encouraging the person in charge instead of discouraging.
 - Remember this is a partnership not a dictatorship.

What do good records offer?

- Cold, hard facts
- Ability to compare to benchmarks
- Insights into strengths/weaknesses, problem identification
- Identification of profit and loss centers
- Direction for maximizing the returns to owned resources
- Documentation to obtain/maintain credit

What do good records offer?

- •Information regarding feasibility of new ventures
- •Employee incentive measures
- Guidance on appropriate risk management strategies • Production risk

 - Financial risk

Questions record keeping can answer

- Am I making more on crops or livestock?
- Should I buy or raise hay?
- Are my costs of production too high?
- What is my break-even crop price?
- What can I do if I want to be more profitable?
- What can I do to provide incentives for hired help to do a better job?
- What kind of risk management strategies should I be using?



- Taxes can be a strong motivation for record keeping....
 Tax management is only ONE PART of farm management
- Tax minimization is not necessarily profit maximization....
- ANY kind of record keeping is a good start to financial analysis

Tax Records

1. Keep records for 3 years.

- You do not report income that you should report and it is more than 25% of the gross income shown on your return; keep records for 6 years.
- 3. You do not file a return; keep records indefinitely.
- 4. You file a claim for a loss from worthless securities or bad debt deduction; 7 years.
- 5. Keep all employment tax records for at least 4 years after the date that the tax becomes due or is paid, whichever is later.
- 6. Property records; indefinitely.

IRS Publication 225, Farmer's Tax Guide www.irs.gov

Production Records- animal

- •Help evaluate animals' performance
- •Need to use standardized records
 - Helps identify problems
 - Easy to compare across groups
- First step is to individually ID all animals
 - Ear Tags
 - Names ???

Production Records- cattle

- Pregnancy Percentage
- Calving Percentage
- Weaning Percentage
- Weaning Weights
- Adjusted Weaning Weights
- Pounds Weaned per Exposed Female
- Calving Interval
- Death Loss

Production Records- Pregnancy Percentage

Pregnancy % =	Number of females exposed diagnosed as pregnant	X 100
	Number of cows exposed	_
Example:	$92\% = (92/100) \ge 100$	

100 Females

92 Pregnant

Production Records- Calving Percentage



Production Records- Weaning Percentage



Production Records- Death Loss Percentage



Production Records- Pounds weaned per exposed female

PWEP = <u>Total Pounds Weaned</u> Number of females exposed				
<u>Example:</u> 100 Cows 365.4 Lbs. = (18,984 + 17,556)/100				
<u>Calves Born</u> 42 Bulls @ 452 Lbs. = 18,984		<u>Standard</u>		
42 Heifers @ 418 Lbs. = 17,556		Cattle > 450 lbs Goats- none		

Production Records-software

- Software ranges from \$58.20-\$950 (2022)
- Consider commercial vs seedstock needs (may consult with breed organization)
- Consider level and cost of software support that will be provided by the company
- Consider specific cattle information that is required by the software

Production Records-cow calf

Cow-Calf Production Record Software

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By Courtney Bir, Brent Ladd

https://extension.okstate.edu/fact-sheets/cowcalf-production-record-software.html

Average Weaning Weight



NM-TX-OK, 2009-2013

Cow/Calf Cost of Production (\$), 2015



Profitability Group

Production records- crops

•Crop information

- Variety, planting date, yield, population planted, planter settings
- Soil test summary
- •Nutrient planning
- •Nutrient applications
- •Pesticide-use
- •Labor

Production records- crops

Crop and Forage Recordkeeping App

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By Courtney Bir, Rodney Jones, Brent Ladd

Print-friendly PDF

Share Fact Sheet 🗸

https://extension.okstate.edu/fact-sheets/crop-and-forage-recordkeeping-software.html

WHY do financial analysis/planning?

Determine where am I? Where do I want to be? How can I get there?

Business Analysis

- Financial statements
 - Historical
 - Projected
- Spending plan (budget)
- Break-even analysis
- Marketing plan
- Enterprise analysis
- Investment analysis
- Risk assessment

Financial Records

• Two reasons to keep records • Taxes •Measure financial performance • Four groups of records •Income • Expenses •Assets • Liabilities

Assets and Liabilities

•Assets

- Everything owned that has a value
 - Tractors, breeding animals, land, buildings, 4-wheelers, etc.

• Liabilities

- Money that is owed
 - Notes to banks, equipment dealers, agribusinesses, credit card companies

Financial Statements

• Balance Sheet

- What is owned and what is owed
- Measures Net Worth

• Cash Flow Statement

- Measures money coming in and out of the operation for a specified duration.
- Typically done annually.
- Income Statement
 - Measures income and expenses.
 - Helps determine profitability.

Developing a Balance Sheet

Published Sep. 2020 | Id: AGEC-752

By Rodney Jones, Courtney Bir, Brent Ladd

https://extension.okstate.edu/fact-sheets/developing-a-balance-sheet.html

Developing an Income Statement

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By Rodney Jones, Courtney Bir, Brent Ladd

https://extension.okstate.edu/fact-sheets/developing-an-incomestatement.html

Developing a Cash Flow Plan

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By Rodney Jones, Courtney Bir, Brent Ladd

https://extension.okstate.edu/fact-sheets/developing-a-cash-flow-plan.html

Financial Performance Measures

- Liquidity-ability to pay bills in a timely fashion and provide for unanticipated events (current ratio)
- Solvency-ability to retire debts if all of the business assets are sold (equity asset ratio)
- Profitability-financial performance of the farm or enterprise over a period of time (Net income, rate of return)
- Financial efficiency-efficiency with which assets generate income
- Repayment capacity-ability to repay term debt in a timely fashion

Methods

• Hand written

- Ledger
- Published record book
 - Oklahoma Farm and Ranch Account Book
- NOT A SHOE BOX OR DASH OF PICKUP!
- Computerized
 - Several production record keeping programs available.
 - Can use spreadsheets
 - Excel spreadsheets can do most of the calculations if programmed correctly.
 - Financial record keeping programs
 - Quicken
 - Quickbooks

Quicken



Quicken for Farm & Ranch Financial Record Keeping

Time limit: 60 days



https://learn.extension.okstate.edu/courses/quick en-for-farm-ranch-financial-record-keeping

Questions??

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