# Farm Finances Webinar: Crafting a Simple Balance Sheet

Written and Presented by Mallory Krieger, with an introduction by Amy Bacigalupo.

Adapted from "Hen Pecked Farm" Balance Sheet Exercise

by Cree Bradley







# Agenda – Crafting a simple Balance Sheet

- 1. Background on balance sheets
- 2. Explore the components and terms
- 3. Step by step example of how to craft it
- 4. Analyze the balance sheet information
- 5. Resources
- Ask questions using the chat feature.

# What is a Balance Sheet?

- One of the big three financial statements
  - 1. Income Statement (Profit & Loss)
  - 2. Cash Flow Statement
  - 3. Balance Sheet
- What you own (assets)
- What you owe (liabilities)
- What is left (equity/net worth)



FARM ASSETS	VALUE	FARM LIABILITIES	VALUE
Current Farm Assets		Current Liabilities	
Cash and Checking Balance		Farm Credit Card	
Supplies on Hand		Balance Farm Loan - Due in 12 months	
Prepaid Expenses		Credit Lines	
Growing Crops		Accounts Payable	
Accounts Receivable		Farm Property Taxes Due	
Market Livestock		Other Current Farm Liabilities	
Other Current Assets			
Total Current Farm Assets		Total Current Farm Liabilities	
		Intermediate Farm Liabilities	
Intermediate Farm Assets Breeding Livestock		Loans on Intermediate Farm Liabilities	
Machinery/Equipment Farm Vehicles		Balance Farm Loan - Final Pay 1-10 years	
Other Intermediate Assets			
Total Intermediate Assets		Total Intermediate Liabilities	
rotal intermediate Assets		Total Intermediate Elabilities	
Long-Term Farm Assets		Long-Term Farm Liabilities	
Farm Land		Loans on Long-Term Assets	
Buildings and Improvements		Balance Farm Loan - Final Pay > 10 years	
Other Long-Term Assets			
Total Long-Term Assets		Total Long-Term Liabilities	
TOTAL FARM ASSETS:		TOTAL FARM LIABILITIES:	

# Why complete a Balance Sheet?

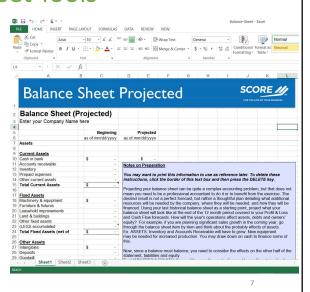
- Trust factor with lender
- Communication tool between partners
  - · reduce stress
- See where farm has been and where it is going
- Can offset negative feelings of farming worthwhileness



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# **Balance Sheet Tools**

- Spreadsheet software
  - Microsoft Excel
  - Numbers
  - · Google Sheets
- Free Templates
  - <a href="https://www.score.org/resource/balance-sheet-template">https://www.score.org/resource/balance-sheet-template</a>
  - https://templates.office.com/engb/Balance-sheet-TM00000053
- · Financial accounting software
  - Quickbooks



## What the Balance Sheet Tells You

- Owner's Equity/Net Worth
  - How much of your business you actually own
- + Equity = Solvent
- - Equity = Insolvent



• Do you have enough working capital to avoid cash flow problems?

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# **Important Terms**

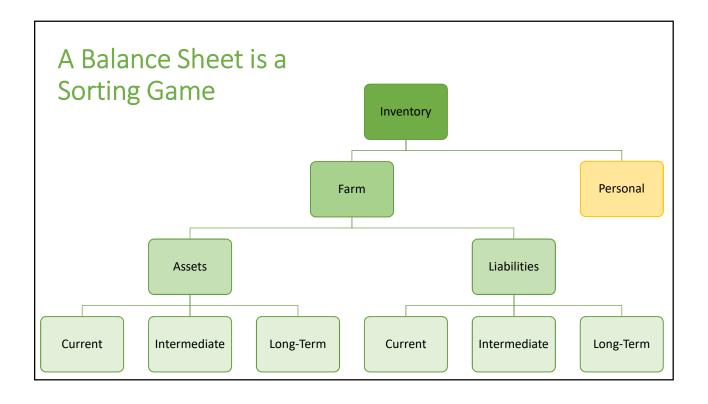
- · Assets: anything owned or leased
- Liabilities: anything owed to another business or person
- Equity: excess assets over liabilities, how much you own of the business

Current: < 1 year</li>

• Intermediate: 1 - 10 years

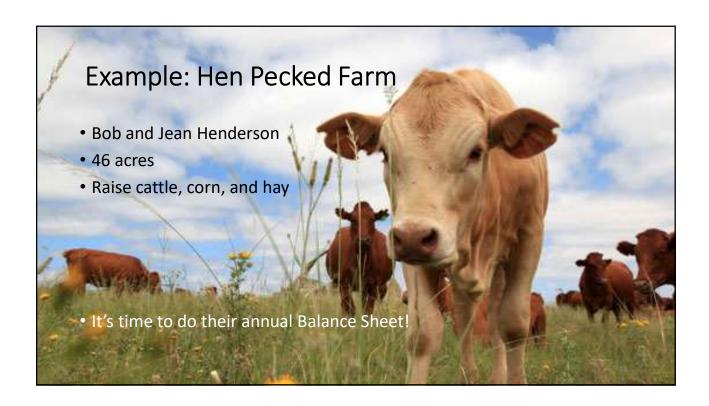
• Long-term: > 10 years

# Questions?



# Diving in — Crafting your Simple Balance Sheet

- 1. Create a financial inventory
- 2. Assess the value of all assets and liabilities
- 3. Sort list into Farm and Personal buckets
- 4. Sort into Assets and Liabilities
- 5. Sort into Current, Intermediate, and Long-term categories
- 6. Plug into subcategories based on type
- 7. Calculate
- 8. Analyze





Step 1: Create a financial inventory

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# Hen Pecked Farm – Financial Inventory

- ☐ A Dozen Laying Chickens (for friends and family use)
- □ Farm Cash
- Personal Checking
- □ Personal Savings
- □ Corn in Bin
- □ Hay
- □ Feed in Barn
- □ Owed to Feed Store
- □ Prepaid Fertilizer
- Chemicals in inventory
- □ Vet Supplies
- □ Steers to sell
- □ Yearling Heifers
- Neighbor owes for hay sold to them
- ☐ Farm Real Estate Mortgage
- □ Credit Cards for Groceries

- □ Bred Cows
- □ Bull
- □ Farm Truck
- □ Car
- □ Machinery and Equipment
- ☐ Fixed Neighbor's Garden Tractor (they haven't paid yet)
- ☐ Owed to Bank on Car
- □ Cattle Trailer
- □ 2015 Annual Operating Loan
- □ (remains to be paid)
- $\hfill\Box$  Farm Real Estate Value
- □ Implement Dealer Rake Payment
- □ Real Estate Taxes due
- ☐ Skidsteer Repair Bill
- □ Boat

# Step 2 – Assess the value of all assets and liabilities

- Cost basis
  - Original cost minus accumulated depreciation
  - Tractor purchased for \$5,000 and depreciated at \$500/year for 8 years
    - \$5000 (\$500\*8) = \$1000 value
  - Used to analyze the financial performance of the business



# Step 2 – Assess the value of all assets and liabilities

- Current market value
  - What someone would pay for the asset if sold today
  - Tractor purchased for \$5,000 and can be sold still for \$5,000
  - Used for farm planning and loan applications



□ A Dozen Laying Chickens	\$120	□ Bred Cows	\$40,500
(for friends and family use)		□ Bull	\$2,500
□ Farm Cash	\$1,000	□ Farm Truck	\$15,000
□ Personal Checking	\$400	□ Car	\$15,000
□ Personal Savings	\$1,000	<ul> <li>Machinery and Equipment</li> </ul>	\$75,000
□ Corn in Bin	\$6,300	☐ Fixed Neighbor's Garden Tractor	\$200
□ Hay	\$1,200	(they haven't paid yet)	
□ Feed in Barn	\$1,500	□ Owed to Bank on Car	\$7,500
□ Owed to Feed Store	\$3,500	□ Cattle Trailer	\$8,000
□ Prepaid Fertilizer	\$1,000	□ 2015 Annual Operating Loan	\$10,000
□ Chemicals in inventory	\$750	□ (remains to be paid)	
□ Vet Supplies	\$250	□ Farm Real Estate Value	\$150,000
□ Steers to sell	\$25,500	□ Implement Dealer Rake Payment	\$5,000
□ Yearling Heifers	\$8,800	(\$1,000/year with a 7 year note)	
$\hfill\Box$ Neighbor owes for hay sold to them	\$500	□ Real Estate Taxes due	\$1,750
□ Farm Real Estate Mortgage	\$140,000	□ Skidsteer Repair Bill	\$3,000
(\$1,000/month = \$12,000/year)		□ Boat	\$900
□ Credit Cards for Groceries	\$550		

Questions?

Step 3 – Sort lis	t into Far	rm and Pers	onal buckets
A Dozen Laying Chickens	\$120	□ Bred Cows	\$40,50

A Dozen Laying Chickens	\$120	□ Brea Cows	\$40,500
(for friends and family use)		□ Bull	\$2,500
Farm Cash	\$1,000	□ Farm Truck	\$15,000
Personal Checking	\$400	□ Car	\$15,000
Personal Savings	\$1,000	<ul> <li>Machinery and Equipment</li> </ul>	\$75,000
Corn in Bin	\$6,300	□ Fixed Neighbor's Garden Tractor	\$200
Hay	\$1,200	(they haven't paid yet)	
Feed in Barn	\$1,500	<ul><li>Owed to Bank on Car</li></ul>	\$7,500
Owed to Feed Store	\$3,500	□ Cattle Trailer	\$8,000
Prepaid Fertilizer	\$1,000	<ul><li>2015 Annual Operating Loan</li></ul>	\$10,000
Chemicals in inventory	\$750	□ (remains to be paid)	
Vet Supplies	\$250	□ Farm Real Estate Value	\$150,000
Steers to sell	\$25,500	□ Implement Dealer Rake Payment	\$5,000
Yearling Heifers	\$8,800	(\$1,000/year with a 7 year note)	
Neighbor owes for hay sold to them	\$500	□ Real Estate Taxes due	\$1,750
Farm Real Estate Mortgage	\$140,000	□ Skidsteer Repair Bill	\$3,000
(\$1,000/month = \$12,000/year)		□ Boat	\$900
Credit Cards for Groceries	\$550		20

# Step 4 – Sort Farm list into Assets and Liabilities

FARM ASSETS		FARM LIABILITIES	
□ Farm Cash	\$1,000	□ Owed to Feed Store	\$3,500
□ Corn in Bin	\$6,300	☐ Farm Real Estate Mortgage	\$140,000
□ Hay	\$1,200	(\$1,000/month = \$12,000/year)	
□ Feed in Barn	\$1,500	□ 2015 Annual Operating Loan	\$10,000
□ Prepaid Fertilizer	\$1,000	(remains to be paid)	
☐ Chemicals in inventory	\$750	□ Implement Dealer Rake Payment	\$5,000
□ Vet Supplies	\$250	(\$1,000/year with a 7 year note)	
□ Steers to sell	\$25,500	□ Real Estate Taxes due	\$1,750
□ Yearling Heifers	\$8,800	□ Skidsteer Repair Bill	\$3,000
□ Neighbor owes for hay sold to them	\$500		
☐ Farm Real Estate Value	\$150,000		
☐ Machinery and Equipment	\$75,000		
☐ Fixed Neighbor's Garden Tractor	\$200		
(they haven't paid yet)			
□ Cattle Trailer	\$8,000		
□ Bred Cows	\$40,500		
□ Bull	\$2,500		
□ Farm Truck	\$15,000		21

# Step 4 – Sort Personal list into Assets and Liabilities

PERSONAL ASSETS		PERSONAL LIABILITIE	S
☐ A Dozen Laying Chickens	\$120	☐ Credit Cards for Groceries	\$550
(for friends and family use)		□ Owed to Bank on Car	\$7,500
□ Personal Checking	\$400		
□ Personal Savings	\$1,000		
□ Car	\$15,000		
□ Boat	\$900		

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# Step 5 – Sort into Current, Intermediate, and Long-term

Current < 1 year

Intermediate 1 - 10 years

Long-Term > 10 years







FARM ASSETS		FARM LIABILITIES	
Current		Current	
□ Farm Cash	\$1,000	□ Owed to Feed Store	\$3,500
□ Corn in Bin	\$6,300	□ 2015 Annual Operating Loan	\$10,000
□ Hay	\$1,200	(remains to be paid)	
□ Feed in Barn	\$1,500	□ Real Estate Taxes due	\$1,750
□ Prepaid Fertilizer	\$1,000	□ Skidsteer Repair Bill	\$3,000
□ Chemicals in inventory	\$750	☐ Farm Real Estate Mortgage (amount due this year)	\$12,000
□ Vet Supplies	\$250	☐ Implement Dealer Rake Payment (amount due this year)	\$1,000
□ Steers to sell	\$25,500		
□ Neighbor owes for hay sold to them	\$500		
☐ Fixed Neighbor's Garden Tractor	\$200		
(they haven't paid yet)			
Intermediate		Intermediate	
☐ Machinery and Equipment	\$75,000	□ Implement Dealer Rake Payment	\$4,000
□ Yearling Heifers	\$8,800	(\$1,000/year with a 7 year note)	
□ Cattle Trailer	\$8,000		
□ Bred Cows	\$40,500		
□ Bull	\$2,500	Long-Term	
□ Farm Truck	\$15,000	☐ Farm Real Estate Mortgage	\$128,000
Long-Term		(\$1,000/month = \$12,000/year)	
□ Farm Real Estate Value	\$150,000		
			24

PERSONAL ASSETS		PERSONAL LIABILITIES	
Current		Current	
□ A Dozen Laying Chickens	\$120	☐ Credit Cards for Groceries	\$550
(for friends and family use)			
□ Personal Checking	\$400		
□ Personal Savings	\$1,000		
Intermediate		Intermediate	
□ Car	\$15,000	□ Owed to Bank on Car	\$7,500
□ Boat	\$900		
Long-Term		Long-Term	

# Questions?

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# Step 6 – Plug items into sub-categories

BALANCE SHEET: Hen Pecked Farm

DATE: June 28, 2017

FARM ASSETS	VALUE	
Current Farm Assets		
Cash and Checking Balance	1,100	
Supplies on Hand	9,250	
Prepaid Expenses	1,750	
Growing Crops		
Accounts Receivable	700	
Market Livestock	25,500	
Other Current Assets		
Total Current Farm Assets		

Intermediate Farm Assets		
Breeding Livestock	51,800	
Machinery/Equipment	75,000	
Farm Vehicles	23,000	
Other Intermediate Assets		
Total Intermediate Assets		

Long-Term Farm Assets		
Farm Land	150,000	
Buildings and Improvements		
Other Long-Term Assets		
Total Long-Term Assets		
	•	
TOTAL EADM ACCETS		

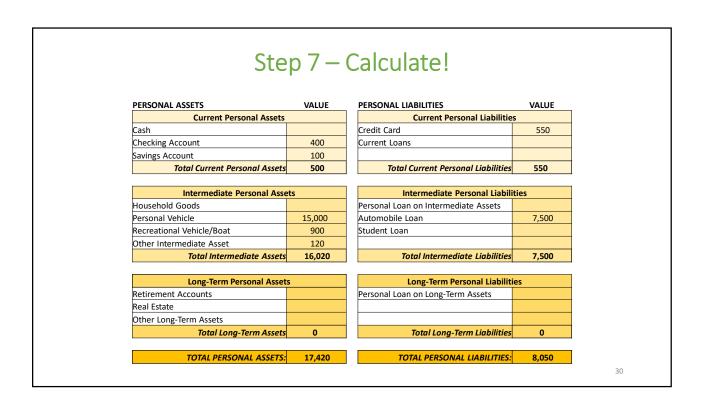
FARM LIABILITIES	VALUE			
Current Liabilities				
Farm Credit Card				
Balance Farm Loan - Due in 12 months	13,000			
Credit Lines	3,500			
Accounts Payable	3,000			
Farm Property Taxes Due	1,750			
Other Current Farm Liabilities	10,000			
Total Current Farm L	iabilities			

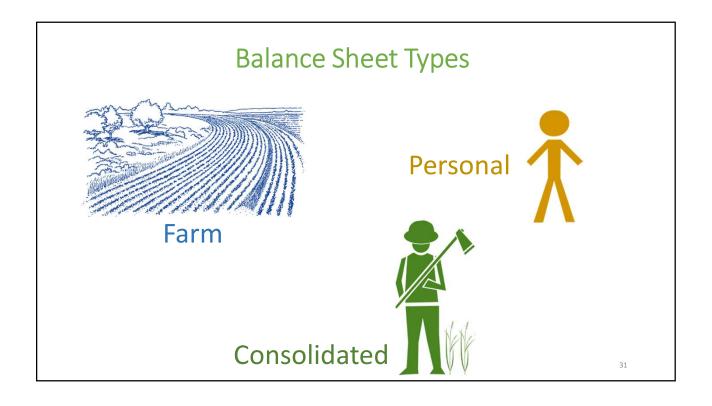
Intermediate Farm Liabilities	
Loans on Intermediate Farm Assets	4,000
Balance Farm Loan - Final Pay 1-10 years	
Total Intermediate Liabilities	

Long-Term Farm Liabilities	
Loans on Long-Term Assets	
Balance Farm Loan - Final Pay > 10 years	128,000
Total Long-Term Liabilities	
	27
TOTAL FARMALIARUITIES	

	Step	7 – Calculate!	
BALANCE SHEET: Hen Pecked Farm			DATE: <b>June 28, 20</b> 1
FARM ASSETS	VALUE	FARM LIABILITIES	VALUE
Current Farm Assets		Current Liabilities	
Cash and Checking Balance	1,100	Farm Credit Card	
Supplies on Hand	9,250	Balance Farm Loan - Due in 12 months	13,000
Prepaid Expenses	1,750	Credit Lines	3,500
Growing Crops		Accounts Payable	3,000
Accounts Receivable	700	Farm Property Taxes Due	1,750
Market Livestock	25,500	Other Current Farm Liabilities	10,000
Other Current Assets			
Total Current Farm Assets	38,300	Total Current Farm Liabilities	31,250
Intermediate Farm Assets		Intermediate Farm Liabilities	
Breeding Livestock	51,800	Loans on Intermediate Farm Assets	4,000
Machinery/Equipment	75,000	Balance Farm Loan - Final Pay 1-10 years	
Farm Vehicles	23,000		
Other Intermediate Assets			
Total Intermediate Assets	338,100	Total Intermediate Liabilities	163,250
Long-Term Farm Assets		Long-Term Farm Liabilities	
Farm Land	150,000	Loans on Long-Term Assets	
Buildings and Improvements	130,000	Balance Farm Loan - Final Pay > 10 years	128.000
Other Long-Term Assets		Dalance Farm Loan Final Lay > 10 years	120,000
Total Long-Term Assets	17,420	Total Long-Term Liabilities	8.050
Total Long-Telli Assets	17,720	Total Long-Term Elabilities	-,
TOTAL FARM ASSETS:	355,520	TOTAL FARM LIABILITIES:	28 <b>171.300</b>

PERSONAL ASSETS	VALUE	PERSONAL LIABILITIES	VALUE
Current Personal Assets	•	Current Personal Liabilitie	!S
Cash		Credit Card	550
Checking Account	400	Current Loans	
Savings Account	100		
Total Current Personal Asset	s	Total Current Personal Liabilities	
Intermediate Personal Ass	ets	Intermediate Personal Liabil	ities
Household Goods		Personal Loan on Intermediate Assets	
Personal Vehicle	15,000	Automobile Loan	7,500
Recreational Vehicle/Boat	900	Student Loan	
Other Intermediate Asset	120		
Total Intermediate Asset	s	Total Intermediate Liabilities	
Long-Term Personal Asse	ts	Long-Term Personal Liabilit	ies
Retirement Accounts		Personal Loan on Long-Term Assets	
Real Estate			
Other Long-Term Assets			
Total Long-Term Asset.	s	Total Long-Term Liabilities	
			1
TOTAL PERSONAL ASSETS	:	TOTAL PERSONAL LIABILITIES:	





# Step 8 – Analyze - Farm

- Total Assets Total Liabilities = Owner's Equity (Net Worth)
- FARM Balance Sheet
  - Total Assets = \$299,800
  - Total Liabilities = \$163,250
  - Owner's Equity = \$136,550



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# Step 8 – Analyze - Farm

BALANCE SHEET: Hen Pecked Farm DATE: June 28, 2017

FARM ASSETS	VALUE	
Current Farm Assets		
Cash and Checking Balance	1,100	
Supplies on Hand	9,250	
Prepaid Expenses	1,750	
Growing Crops		
Accounts Receivable	700	
Market Livestock	25,500	
Other Current Assets		
Total Current Farm Assets	38,300	

Intermediate Farm Assets	
Breeding Livestock	51,800
Machinery/Equipment	75,000
Farm Vehicles	23,000
Other Intermediate Assets	
Total Intermediate Assets	149,800

Long-Term Farm Assets		
Farm Land	150,000	
Buildings and Improvements		
Other Long-Term Assets		
Total Long-Term Assets	150,000	

FARM LIABILITIES	VALUE	
Current Liabilities		
Farm Credit Card		
Balance Farm Loan - Due in 12 months	13,000	
Credit Lines	3,500	
Accounts Payable	3,000	
Farm Property Taxes Due	1,750	
Other Current Farm Liabilities	10,000	
Total Current Farm Lighili	ities 31 250	

Intermediate Farm Liabilities	
Loans on Intermediate Farm Assets	4,000
Balance Farm Loan - Final Pay 1-10 years	
Total Intermediate Liabilities	4,000

Long-Term Farm Liabilities	
Loans on Long-Term Assets	
Balance Farm Loan - Final Pay > 10 years	128,000
Total Long-Term Liabilities	128,000
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TOTAL FARM LIABILITIES:	163.250

# Step 8 – Analyze - Personal

- Total Assets Total Liabilities = Owner's Equity (Net Worth)
- PERSONAL Balance Sheet
  - Total Assets = \$16,520
  - Total Liabilities = \$8,050
  - Owner's Equity = \$8,470



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# Step 8 – Analyze - Personal

PERSONAL ASSETS	VALUE	
Current Personal Assets		
Cash		
Checking Account	400	
Savings Account	100	
Total Current Personal Assets	500	

VALUE
s
550
550

Intermediate Personal Assets		
Household Goods		
Personal Vehicle	15,000	
Recreational Vehicle/Boat	900	
Other Intermediate Asset	120	
Total Intermediate Assets	16,020	

Intermediate Personal Liabilities	
Personal Loan on Intermediate Assets	
Automobile Loan	7,500
Student Loan	
Total Intermediate Liabilities	7,500

Long-Term Personal Assets		
Retirement Accounts		
Real Estate		
Other Long-Term Assets		
Total Long-Term Assets	0	

Long-Term Personal Liabilities	
Personal Loan on Long-Term Assets	
Total Long-Term Liabilities	0

TOTAL PERSONAL LIABILITIES:

TOTAL PERSONAL ASSETS: 16,520

# Step 8 – Analyze - Whole Picture

- Total Assets Total Liabilities = Owner's Equity (Net Worth)
- CONSOLIDATED Balance Sheet
  - Total Assets = \$316,320
  - Total Liabilities = \$171,300
  - Owner's Equity = \$145,020



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# Questions?

# Congratulations!

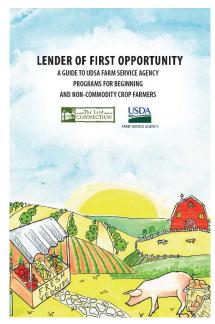
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# **Next Steps**

- PLEASE complete the evaluation before leaving your computer
  - https://goo.gl/forms/pWWhqavDPbrjjHoi2
  - Also sent by email
- Visit to find more information: <u>www.thelandconnection.org/farmers/field-days-and-workshops/farm-finances-webinar</u>
  - Hen Pecked Farm activity
  - Blank Balance Sheet forms
  - · Recording of this webinar

### **Other Resources**

- Farm Service Agency Program Guide
  - <a href="http://thelandconnection.org/webform/fsa-guide-download-page">http://thelandconnection.org/webform/fsa-guide-download-page</a>
- ATTRA many financial lessons
  - https://attra.ncat.org/
- MOSES Fearless Farm Finances
  - https://mosesorganic.org/fearless-farmfinances/



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### **Farm Beginnings Collaborative**

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