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Release of an Updated FAST Tool: Balance Sheet & Historical Financial Statements Program

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June 15, 2011

farmdoc daily (1):89

Recommended citation format: Batts, R. "Release of an Updated FAST Tool: Balance Sheet & Historical Financial Statements Program." *farmdoc daily* (1):89, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign, June 15, 2011.

Permalink: http://farmdocdaily.illinois.edu/2011/06/release-of-an-updated-fast-too.html

An updated balance sheet & historical financial statements program is available from farmdoc. This tool allows users to generate financial statements for a one-year (simple balance sheet) or two-year period (beginning and ending year). Financial statements include: beginning and ending balance sheets, income statement, statement of cash flows, and a report of the user's financial ratios, as well as deferred tax calculation. This tool can be downloaded from the FAST section of farmdoc.

Like other FAST tools, input items appear in blue text.

The data entry begins with information about the user on the "Farm Information" sheet. A screen shot of this sheet is provided below. There are five items that need to be completed:

- 1. User's name
- 2. Beginning of the year balance sheet date
- 3. Determine whether you would like to complete beginning and ending balance sheets, or just a single balance sheet
- 4. Determine whether you would like the program to calculate deferred taxes
- 5. If you would like to calculate deferred taxes, you need to enter the federal and state income tax rate

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Main Menu		onnau	
Name	Me		
	Month	Day	Year
Beginning of Year Balance Sheet Date	12	31	2009
Do you want to complete beginning and ending balar "If "no", user will be able to assemble a beginning ba		yes nly.	
Do you want the program to calculate deferred taxes	?	yes	
Estimated federal and state income tax rate	0%		

General Information Screen

Next, the user assembles the beginning balance sheet by completing the individual schedules and cash flow information. Some items may be entered directly on the balance sheet (where the text appears in blue). Other items require that you select the box for the appropriate schedule. For example, select the box for schedule 1 to enter information about inventories.

BALANCE SHEET						
2009			2009			
	recourse payment (seen of		22,000			
6,000	Hotes payable month one year (och . 1)		51,995			
	content portion of an term deat (ocn. 1)		14,970			
and the second se	Paceboo merete (cont. 1)		8,127			
ch 1			15.60			
			15,60			
and the second		-				
No. of Concession, Name of			1,190			
1,105						
14,000	Other current liabilities - personal					
30,500						
3 276,006	TOTAL CORRENT LIABILITIES		\$113,900			
	NOWCHDDENT LIABILITIES					
ch 3 c						
412 999	the second period of the second period period of the second period period of the second period perio					
412,339			58.037			
		-	30,031			
12 000						
12,000			108.775			
			100,111			
1 486 000						
	Other honcurrent natilities-personal					
50,700	TOTAL MONOLIDDENT LIAGE (TES)		\$166,813			
	TO THE NORGONNENT EMPERITIES		4100,014			
E4 000 000	TOTAL LIADE (TER		\$280,712			
\$1,393,039			acou,r14			
	Contributed capital	S				
	Retained earnings	-				
	Valuation/personal asset equity TOTAL OWNER EQUITY	s	1,050,369 914,623 1,964,992			
	2009 in \$ 17.200 6.000 200 kh 1 1.106 1.006 3.0.500 5.276,006 kh 1 \$ 1.200 1.006 1.006 5.276,006 kh 1 \$ 5.1,959,698	CURRENT LANBLITIES 1000 5 17.200 Accounts payable (Sch. 6) Set 4 1000 - Current partable (Sch. 7) Set 7 200 Accounts payable (Sch. 7) Set 7 200 Accounts payable (Sch. 7) Set 7 201 Account payable (Sch. 7) Set 7 201 Account payable (Sch. 7) Set 7 201 Account payable (Sch. 7) Set 7 202 Account of term docult security taxes Accound rems 207.000 Accound rems Current portion-deferrent taxes 1 - Other account tabilities - farm 0 Other current labilities - farm Other current fabilities - farm 30.500 - NONCURRENT LIABILITIES Noneul estate farm farm debt. (Sch. 7) : Set 7 12.000 Noneul estate farm farm debt. (Sch. 7) : Set 7 12.000 Notes with original maturity isst than 0 equal to 10 years Notes with original maturity greater than 10 years 12.000 Notes with original maturity greater than 10 years Notes with original maturity greater than 10 years	2009 LIABILITE'S AND OWNER EQUITY in 5 17.200 in 5 17.200 in 6.000 Notes payable (Sch. 6) in 6.000 Current portion of all term debt (Sch. 7) in 0 Accrued interm debt (Sch. 7) in 0 Accrued interm debt (Sch. 7) in 0 Accrued interm debt (Sch. 7) in 0 Accrued interme debt (Sch. 7) in 0 Accrued interme debt (Sch. 7) in Current portion deferred taxes Accrued interme debt (Sch. 7) in Current portion deferred taxes Other current isabilities - farm 1.105 Current portion of term farm debt (Sch. 7) Sch 7 in Nonceurent isabilities - farm Other current isabilities - farm in 1.105 Nonceurent debt Sch 7 in Nonceurent debt Nonceurent debt Sch 7 in Nonceurent debt Nonceurent debt Sch 7 in Nonceurent debt Sch 7 Nonceurent debt			

Finally, the user will repeat the steps in assembling the balance sheet for the ending balance sheet.

Once the data is entered, the user may view and print the reports. Reports include: a balance sheet summary, an income statement, a statement of cash flows, a cash flow budget, a statement of owner's equity, financial ratio analysis, and a calculation of deferred taxes for the beginning and ending year.

Main Menu Reports Menu	BALA	NCE SHEET			
		for Me			
s of : December 31, 2010 ASSETS	2009	2010	LIABILITIES AND OWNER EQUITY	2009	201
URRENT ASSETS	2009	2010	CURRENT LIABILITIES	2009	2011
Cash	17,200	2 500	Accounts payable (Sch. 6)	22,000	15,200
Savings and short-term time deposits	6.000	6.000	Notes payable within one year (Sch. 7)	51,999	71.64
Marketable securities (at market)	0,000	0,000	Current portion of all term debt (Sch. 7)	14.978	24,585
Accounts receivable	200	ő	Accrued interest (Sch. 7)	8.127	5,70
Inventories: (Sch. 1)	200	ő	Accrued interest (Sch. 7) Accrued expenses:	0,127	5,704
Livestock	0	ŏ	Income and social security taxes	15 606	17.26
Crops	207.000	381.450	Accrued rents	15,696	17,29
Feed	207,000	301,450	Other accrued items	1,190	1,250
Supplies and other	1,106	1.126	Current portion-deferred taxes	1,190	1,201
	1,106	1,126	Other current liabilities - farm	0	
Cash investment in growing crops	14.000	15 500		0	
Prepaid expenses (Sch. 2)			Other current liabilities - personal	0	
Other current assets - farm	30,500	30,500			
Other current assets - personal OTAL CURRENT ASSETS	276.006	437,076	TOTAL CURRENT LIABILITIES	113,900	135,649
ONCURRENT ASSETS			NONCURRENT LIABILITIES		
	0	0			
Breeding livestock (at market) (Sch. 3)	412.998	473 500	Noncurrent portion of term farm debt. (Sch. 7) : Nonreal estate farm debt:		
Machinery and equipment (at market) (Sch. 4)		473,500		58.037	98,667
Investments in capital leased assets	0		Notes with original maturity less than or equal to 10 years		98,66
Investments in cooperatives	0	0	Notes with original maturity greater than 10 years	0	
Investments in other entities	0		Farm real estate debt:		
Retirement accounts	12,000	12,000	Notes with original maturity less than or equal to 10 years	0	
Cash value life insurance	0	0	Notes with original maturity greater than 10 years	108,775	105,915
Long-term financial assets and nonmarketable securities	0	0	Noncurrent portion-deferred taxes	0	4
Farm real estate (at market) (Sch. 5):		0	Other noncurrent liabilities-farm	0	
Land	1,486,000	1,486,000	Other noncurrent liabilities-personal	0	
Buildings and improvements	58,700	54,654			
Other noncurrent assets-farm (at market)	0	0	TOTAL NONCURRENT LIABILITIES	166,812	204,582
Other noncurrent assets-personal (at market)	0	0			
OTAL NONCURRENT ASSETS	1,969,698	2,026,154	TOTAL LIABILITIES	280,712	340,231
			OWNER EQUITY		
			Reconciliation errors		
			Contributed capital and retained earnings	1,050,369	1,189,140
			Valuation/personal asset equity	914,623	933,855
			TOTAL OWNER EQUITY	1,964,992	2,122,991
OTAL ASSETS	2,245,704	2,463,230	TOTAL LIABILITIES and OWNER EQUITY	2,245,704	2,463,230
Cost values					
Marketable securities	0	0			
Breeding livestock	0	0			
Machinery and equipment	355,840	395,060			
Real estate - land	646,000	646,000			
Real estate - buildings & improvements	41.235	39,235			

Repayment Analysis	Green	Yellow	Red	My Farm	Calculation		
Ferm Debt and Lease Coverage Ratio	>1.50	1.10 to 1.50	<1.10	5.27	(INFIFO* + Gross Non-Farm Revenue + Depreciation Expense + Interest on Term Debts and Capital Leases) - Income Tax Expense - Tamity Living Withdrawals) / Scheduld Annual Princip and Interest Payments on Term Debt and Capital Leases		
Debt Payment / Income Ratio	<0.25	0.25 to 0.50	>0.50	0.13	Scheduled Annual Principal and Interest Payments on Term Del and Capital Leases / (NFIFO* + Cross Non-Farm Revenue + Depreciation Expense + Interest on Term Debts and Capital Leases)		
Liquidity Analysis							
Current Ratio	> 1.50	1.00 to 1.50	< 1.00	3.22	Total Current Farm Assets / Total Current Farm Liabilities		
Vorking Capital		business expens pends on scope o		\$301,427	Total Current Farm Assets - Total Current Farm Liabilities		
Working Capital/VFP	> 0.30	0.10 to 0.30	<0.10	0.41	Working Capital / Value of Farm Production		
Solvency Analysis							
bebt / Asset Ratio (mostly owned)	<20%	20% to 60%	>60%	13.9%	Total Farm Liabilities / Total Farm Assets		
Debt / Asset Ratio (mostly ented/leased)	<30%	30% to 70%	>70%	13.9%	Total Farm Liabilities / Total Farm Assets		
quity / Asset Ratio (mostly owned)	>80%	40% to 80%	<40%	86.1%	Total Farm Equity / Total Farm Assets		
quity / Asset Ratio (mostly ented/leased)	>70%	30% to 70%	<30%	86.1%	Total Farm Equity / Total Farm Assets		
bebt / Equity Ratio (mostly owned)	<25%	25% to 150%	>150%	16.1%	Total Farm Liabilities / Total Farm Equity		
Debt / Equity Ratio (mostly ented/leased)	<425	42% to 230%	>230%	16.15	Total Farm Liabilities / Total Farm Equity		
Profitability Analysis					-		
Rate of Return on Farm Assets (ROA) mostly owned)	>5%	1% to 5%	 <is< li=""> </is<>	6.4%	(NFIFO* + Farm Interest Expense - Operator Management Fee) / Average Total Farm Assets		
Rate of Return on Farm Assets (ROA) mostly rented / leased)	>11%	3% to 11%	<3%	6.4%	(NFIFO* + Farm Interest Expense - Operator Management Fee) / Average Total Farm Assets		
Rate of Return on Farm Equity (ROE)	look at trends and compare to other farm and non-farm investments		6.6%	(NFIFO* - Operator Management Fee) / Average Total Farm Equity			
Operating Profit Margin Ratio	>25%	10% to 25%	<10%	20.4%	(NFIFO* + Farm Interest Expense - Operator Management Fee) / VFP		
Financial Efficiency							
sset Turnover Ratio		avily on type of o her it is owned / I		0.31	VFP / Average Total Farm Assets		
Operating Expense / VFP Ratio mostly owned)	<55%	55% to 65%	>655	65.0%	Operating Expenses [excluding interest and depreciation] / VFP		
Operating Expense / VFP Ratio mostly rented / leased)	<65%	65% to 75%	×75%	65.0%	Operating Expenses [excluding interest and depreciation] / VFP		
Repreciation Expense Ratio		capital replacem bt repayment mar		6.2%	Depreciation Expense / VFP		
terest Expense Ratio	<10%	10% to 20%	>20%	2.1%	Interest Expense / VFP		
let Farm Income From Operations latio		ends, varies due pricultural prices a		26.8%	NFIFO* / VFP		
Nodified from David Kohl							

We hope to soon complete a version of this tool that allows the user to database information for multiple years and multiple users.