Quick Start Tutorial for the database driven version of RDFinancial for Eastern Washington.

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This tutorial is a quick start guide for the database version of the RDFinancial program. Some version of RDFinancial contain a fixed crop mix (crop rotation) used as the example. While these versions allow the user to enter a different crop mix that more closely matches their own operation, there is no database of crop budgets to help with that process. This version has a database of crop budgets to the user get started using RDFinancial.

You may have gotten a copy of the RDFinancial program on a CD or downloaded it from the web. In either instance, the process of starting and running the program is the same. Make sure you have copied the program onto your hard disk in a location where it is likely to stay. Once you have saved the program in the desired location, navigate to that location with Windows Explorer, not Internet Explorer (IE). The RDFinancial program will have a name something like "RDFinancial...swf." The swf extension on the file means it is a Flash file. These files will run in Internet Explorer. To open and run an RDFinancial...swf file, you can double click on the file name and it may open automatically (if your computer is set up to open Flash flies in IE). If your computer is not set up to run Flash files in your web browser, it may ask you what program you want to use to run the Flash file. See the steps outlined below. The latest version of RDFinancial can be downloaded from the web at: http://www.montana.edu/softwaredownloads/financialmgtdownloads.html

Outline of steps to run RDFinancial:

Step 1: Save an RDFinancial file to a location of your choice on your hard drive.

Step 2: Use Windows Explorer to navigate to the location where RDFinancial was saved and <u>double click</u> <u>on the file name</u>. The file will most likely be a Flash file with an swf file extension. Your computer may be set to hide the file extensions, so you may not see the swf. For educators, there are also PowerPoint versions of this file available which can be built in to a PowerPoint presentation. Figure 1 shows the first screen you should get after double clicking on the file name.

Figure 1. Initial Screen when opening RDFinancial in Internet Explorer (IE).

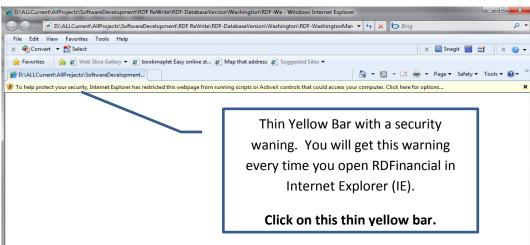


Figure 2 shows the second screen which asks the user to click Yes or No to allow ActiveX controls. *You must click Yes* to allow IE to use the ActiveX controls built in to the RDFinancial Flash file.

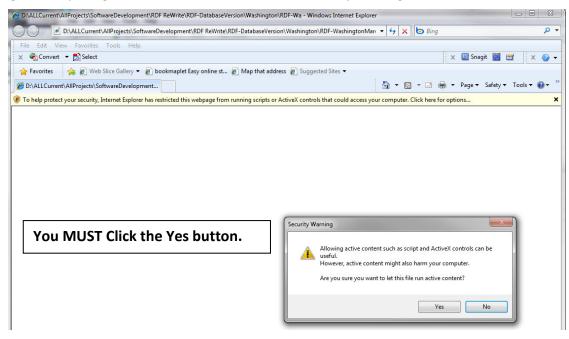
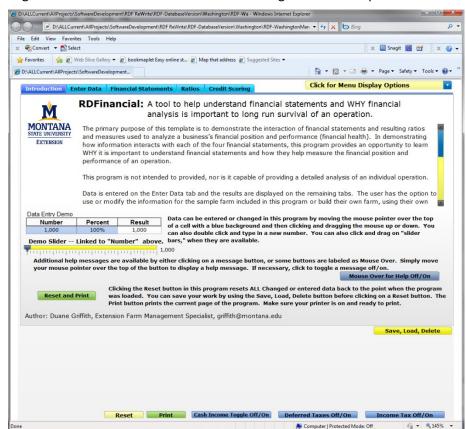


Figure 2. Opening RDFinancial in IE, second screen security warning.

Figure 3. Initial Screen of RDFinancial running in Internet Explorer.



Step 3: Take some time to read the information on this screen and how you interact with this software.

After you have read the information on this screen, click on the Enter Data tab at the top of the screen. Figure 4 is displayed. This tab allows the user to enter or change most of the information used by RDFinancial.

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Figure 4. Initial data entry screen for RDFinancial.

Step 4: The initial data entry screen shows the information necessary to select a crop mix. The user must add the crops they wish to select for their example farm/ranch operation. This version of the program provides a database of crops to select from and each crop in the database contains information about income and expenses for that particular crop. *Make sure you change both the income and expense values to suite your particular situation.* The program also has a "default" case farm example built in.

Step 5: The only thing needed to make this case farm example active is to select the crop budgets assigned to this case farm. The crops selected for the built in case farm are listed first in the "Crops Available" window as #_WA_Default..., Figure 4. To "load these crops," click on a file name to highlight the crop name and then click on the "Add Crop" button. The crop name in the Crops Available window will move to the "Crops Selected" window. See Figures 5 and 6.

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Figure 5. Highlighted crop budget in the Crops Available window.

Figure 6. Crop mix selection screen after clicking on the Add Crop button.

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Continue this process until all crops that are labeled ...WA-Default... have been added to the Crops Selected window. You can add crops one at a time or highlight several crops in the Crops Available window by holding down the CTRL Key to select random crops from the list (not next to each other), or holding down the Shift key to select several crops that are listed next to each other. Once all the <u>default</u> case farm crops have been added, click the button labeled "Click to Update Your Crop Mix Below" button. Information in the crop budget database for the selected crops are displayed below the crop selection window. This screen displays only the revenue and government payment information built in to the budgets. Review this information carefully and change all the number you wish to change. You will note that the "default" budgets have some information that other budgets in the database do not have. This information includes the Acres Per Enterprise and information about government programs for the default crops used in the built in case farm. See Figure 7. If you select other crop budgets, you must complete each row of a budget to assure RDFinancial has enough information to calculate the financial statements.

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Figure 7. Completed screen showing the default information for the default crop mix used.

Figure 7 shows the "Select Crop Mix" menu item (upper right corner of the screen) is selected. To complete the data entry process for all required information, click on each menu item and change all information about each crop or livestock enterprise selected. This menu also allows/requires the user to enter information about taxes, insurance, assets and liabilities and miscellaneous and overhead

expenses. The default case farm does not include livestock enterprises. Once you have all the necessary information entered/changed, click on the Financial Statements tab at the top of the screen, Figure 8.

Figure 8. Financial Statements for the Eastern Washington default case farm as distributed with the RDFinancial software.

Introduction Enter D	ata Finano	cial Stateme	nts Ratios	Credit Sco	oring		Click for Menu Display Options	
		ssets				oilities		
Balance Sheet	Beainnina	Ending			Beginning	Ending	Income Statement - Accrual Adi.	Income
Cash on Hand	25,000		Accounts Pavable		0	0	Cash Income (Net of cull lvstk sales)	\$742.238
Crops Held for Feed (Exp)	0		Accrued Interest (E	(ax	51.440	48.748	Non-Cash Income Adiustments	0
Crops Held for Sale (Inc)	150,000		Current Principal		44.303	46.995	Non-Cash Income (Raised Brdo Lvstk)	0
Market Livestock (Inc)	0		Other Current Liabi		10,000	10,000	Capital Gain/Loss on Breeding Lystk (Net)	0
Other Current Assets (Inc)	25,000	25,000	Short Term Notes	(Exp)	0	0	Gross Revenue	\$742.238
Invest Growing Crops (Exp)	0	0	Def. Tax on Curren	t Assets	0	0		Expense
Supp.& Prepaid Exp. (Exp)	20,000	20,000	Operating Loan Ca	rrvover	0	0 •	Cash Expense (Excluding Interest)	476.856
Total Current Assets	220.000	326.227	Total Current Lia	b.	105.744	105.744	Non-Cash Feed Inventory Adjustment	0
Non-Current Assets			Non-Current Liab	ilities			Other Non-Cash Non-Interest Expense	0
Mach. & Equipment	550.000	495.000	Prin. on T.D. & C.L		941.822	894.826	Depreciation (Land. Bldgs. Equip.)	116.000
Breeding Livestock	0	0	Def. Tax on Long T	erm Assets	0	0	Total Operating Expense	592.856
Real Estate (Land. Bldos. Impr	3.850.000	3.789.000	Total Business Lia	b.	1.047.565	1.000.570	Cash Int. Exp T.D. & C.L.	51.440
Total Business Assets	4.620.000	4.610.227	Business Net Wo	th	3.572.435	3.609.657	Cash Int. Exp Operating	13.412
		Cha	nae in Eauity Fro	m Beainnina	to End of Year	37.222	Non-Cash Interest Expense	(2.692)
							Total Expense	\$655.016
Cash Flow Statement		Inflows				OutFlows		
Crop Sales & Net Insurance Pa	avments	712.350	Cash Expenses		No Interest >	476.856	Net Business Income From Operations	87.222
Mrkt & Cull Livestock Sales		0	Other Cash Busine	ss Outlflows/8	xpense	0	Net Business Income	87.222
Lvstk Secondary Product Sales	3	0	Cash Int. Exp T.	D. & C.L.*		51.440	Income+SS+Def. TaxCash & Non-Cash	0
Government Payments		29.888	Cash Int. Exp Or	perating	7.50%	13.412	Net Income	\$87.222
Other Cash business Inflows/In	come	0	Loan Prin. Pavmer	nts - T.D. & C.	L.	44.303		Accrual
Operating Loan Proceeds	75%	357.642	Breeding Livestock	Asset Purcha	ases	0	Statement of Owner Equity	
Loan Proceeds Capital Assets		0	Mach & Equip & R	eal Estate Pu	rchase	0	Beainnina Net Worth (Cost/Mrkt)	3.572.435
Non-Business Inflows/Revenue			Owner withdrawals			50,000	Net Income +	87.222
Other Nonfarm Inflows		0	Cash Taxes Paid (Income & SSI		0	Non-Business Cash Inflows +	0
Other Nonfarm Inflows			Other Cash Outflow			0	Owner Withdrawals (Cash) -	50.000
Total Cash Inflows		\$1.099.880			Subtotal	\$636.011	Asset Valuation Change/Cont./Distrib. +/-	\$0
* T.D. = Term Debt. C.L. = Ca	pital Lease		Operating Loan Pri	n. Pavments		\$357.642	Calculated Ending Net Worth =	3.609.657
			Total Cash Outflo	ws		\$993.654	Reported Endina Net Worth (Cost/Mrkt)	3.609.657
			Annual Net Cash F	low (never < z	ero)	131.227	Discrepancy	\$0
							· · · · · ·	
							Save Load	Doloto

Step 6: RDFinancial is now ready to use with the default case farm. The user is encouraged to cycle through all of the data entry screens, especially when building a new case farm example. From here, the user is encouraged to explore the use of RDFinancial to learn financial analysis concepts, the interaction of the financial statements and the resulting information from the statements themselves or the financial ratios and measures calculated using information on the financial statements, including credit scores. You can explore these by clicking on the Ratios and Credit Scoring tabs of this software.

Other buttons:

Other "buttons" built into RDFinancial include the <u>save, Load, Delete</u> button. This button allows the user to Save a particular set of information after they have entered/changed all the necessary data for a particular scenario. Once all the information is entered, click on this button and a small screen will pop-up and allow you to type in a name for the scenario. You can enter several different scenarios that evaluate different enterprise mixes, number of acres, different farm units as identified by separate farm unit FSA numbers, etc. Once a scenario is saved, it can be loaded using this button at any time in the future. **Caution:** These scenario data files are lost if you move the RDFinancial software to any other location by coping it to another director on your computer or to a thumb drive, etc. Another button you will need to use is the Click for Menu Display Options button in the upper right corner of the screen. This button contains a menu of items that can be used to enter or change specific data in order to demonstrate a particular concept. Figure 9 shows an example of the "You Can Not Buy Equity" data entered at the bottom of the statements. The menu display, upper right corner, shows the You Can Not Buy Equity menu listing. This example shows that depreciation (\$10,000) and interest (\$6,000) expenses incurred when an assets is purchased actually decrease net farm income and the positive equity change show on the balance sheet when the case farm is initially loaded.

Figure 9. RDFinancial Statements with example numbers for the You Can Not Buy Equity menu displayed.

Introduction Enter Da	ita Finano	cial Statem	ents Rat	tios Cre	edit Scor	ing		You Can No	t Buy Equ	uity			
	Ass	ate				Liabilit	ies						
Balance Sheet	Beainnina	Ending	1			Beginning	Ending	Income Stater	nent - Accrua	Adi.		Income	
Cash on Hand	25,000		Accounts Pa	avable (Exp)		O	O	Cash Income				\$742.2	
Crops Held for Feed (Exp)	0		Accrued Inte			51,440	54,748	Non-Cash Inco					
Crops Held for Sale (Inc)	150,000	150,000				44.303	56.099	Non-Cash Inco					
Market Livestock (Inc)	0	(ent Liability (E	Exp)	10,000	10,000	Capital Gain/L					
Other Current Assets (Inc)	25,000	25,000	Short Term	Notes (Exp)		0	0		Gross Reve		\$742.2		
Invest Growing Crops (Exp)	0	(Def. Tax on			0	0				E	xpense	
Supp.& Prepaid Exp. (Exp)	20,000		Operating L			0	0	Cash Expense	(Excluding In	terest)		476.8	
Total Current Assets	220.000	306.227				105.744 120.848		Non-Cash Fee					
Non-Current Assets				nt Liabilities				Other Non-Cash Non-Interest Expense					
Mach. & Equipment	550,000	585.000	Prin. on T.D			941.822	965,722	Depreciation (Land, Bldgs, Equip.)				126.0	
Breeding Livestock	0	0		Lona Term A	Assets	0	0	Total Operating Expense				602.8	
Real Estate (Land, Bldgs, Impr	3,850,000	3.789.000		otal Business Liab.		1.047.565	1.086.570	Cash Int. Exp T.D. & C.L.				51.4	
Total Business Assets	4.620.000		Business N			3.572.435	3.593.657	Cash Int. Exp.				13.4	
					Beginning	to End of Year	21.222	Non-Cash Inte				3.3	
									Total Exper	150		\$671.0	
Cash Flow Statement		Inflows					OutFlows		Total Export			001 1.0	
Crop Sales & Net Insurance Pay	ments	712.350	Cash Expenses No Interest >				476.856	Net Business	ncome From	Operations		71.2	
Mrkt & Cull Livestock Sales		0		Business O			0	Net Business Income			71.2		
Lystk Secondary Product Sales		0		KD T.D. & C.			51,440	Income+SS+Def. TaxCash & Non-Cash					
Government Payments		29 888	Cash Int. Ex			7.50%	13.412	Net Income				\$71.2	
Other Cash business Inflows/In	come		Loan Prin, F		State and state and	1.0070	44.303					Accrual	
Operating Loan Proceeds	75%		Breeding Li			es	0	Statement of	Owner Equity				
Loan Proceeds Capital Assets		80.000	Mach & Equ	uip & Real Es	state Purch	ase	100.000	Beainnina Net	Worth (Cost/M	Arkt)		3.572.4	
Non-Business Inflows/Revenue			Owner with				50,000	Net Income		[+	71.2	
Other Nonfarm Inflows		C		s Paid (Incom	me & SS)		0			+			
Other Nonfarm Inflows		C	Other Cash			es)	0	Owner Withdrawals (Cash)		-	50.0		
Total Cash Inflows		\$1.179.880				Subtotal	\$736.011	Asset Valuation Change/Cont./Distrib. +/-			+/-		
* T.D. = Term Debt. C.L. = Capit	alLease		Operating L	oan Prin. Pa	avments		\$357,642	Calculated En	=	3.593.6			
			Total Cash				\$1.093.654 Reported Ending Net Worth (Cost/Mrkt)					3.593.6	
				Cash Flow (I	never < zer	0)	111.227						
			1.										
	Pı	urchase De	preciation	Year End	Asset	Percent	1			Save, L	oad, D	elete	
			n Assets	Value Adjus		Purchased	Loan	Additional	Additional	Added	Ado	led	
		107.5×71 1.77	urchased	+ Contrib	22 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Asset that is	Proceeds	Ending		Principal	Inte		
								-	Ending	-			
			'his Year	- for Distril		Financed	Received	Principal		End Next Y			
Machinery & Equipment			10,000	\$0	·	80%		(\$9,104)					
Real Estate (Land & Buil	dings)	\$0	\$0	\$0		0%	\$0	\$0	\$0	\$0		0	
Breeding Livestock		\$0	\$0	\$0		0%	\$0	\$0	\$0	\$0	\$	0	
	Rese	et F	Print	Cash Inc	ome Tog	gle Off/On	Deferred	Taxes Off/0	n	Income Ta	x Off/	Dn	

The buttons discussed below are meant to illustrate the differences in the financial picture you get for an operation when the statements are prepared differently. These buttons are toggle buttons that turn a display feature on or off. The display controlled by each of these buttons is initially set to the Off position for all of these buttons. When a button is clicked, it changes color and the display or activity it controls is either activated or deactivated. Just a reminder that RDFinancial is meant to quickly show financial management concepts while avoiding much of the nitty-gritty detail. As such, it is not capable of detailed calculations of tax attributes for any individual operation.

The **Cash Income Toggle Off/On** button can be used to show results of switching between an Accrual Income Statement (the default) and a Cash based Income Statement. A cash based income statement excludes the accrual adjustments, made from balance sheet entries, on the Accrual Adjusted Income Statement. This button is set to the Off position, i.e. the default is an Accrual Adjusted Income Statement.

The **Deferred Taxes Off/On** button is initially set to Off, which excludes deferred tax estimates on assets listed on the balance sheet. Clicking this button includes a calculation for deferred taxes on the balance sheet and all relevant information on the other financial statements is changed. It also changes the Ratios and Credit Scores for the case farm operation. The user is encouraged to explore the implications of changes in the financial statements and the impact on the Ratios and Credit Scores.

The **Income Tax Off/On** button is used primarily to allow tracking the dollar amounts entered for sample transactions through the various financial statements affected. The default is the Off position, which excludes income tax calculations, so no income, social security, employment, etc. taxes are calculated on the Accrual Adjusted Income Statement. Again, this is just to simplify tracking the effects of numbers entered for examples through all of the financial statements affected. If this is clicked to turn it on, any income or expense number that is changed is run through the marginal tax bracket which makes the impact of the numbers on other statements difficult to follow. Tax parameters can be changed using the menu display button in the upper right corner.

The **Reset** button resets all values to those loaded when the software is initially opened.

The **Print** button prints the current screen of the program. Make sure your printer is on and ready to print.