

2010-2011

K-State Leasing & Excel Workshops

December 8, 2010

AGCO
Communications Center
420 W. Lincoln Blvd.
Hesston, KS



Kansas State University
Department of Agricultural Economics

Leasing & Excel Workshop

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www.agmanager.info



ITEM	Wheat	Maize	Soybeans	Wheat
Interest rate	7.00	4.57	1.00	5.00% Yr
Seedling rate (lbs. seeds, etc)	100	100	100	
Seed price, \$/bu	\$0.16	\$1.20	\$0.50	
Fertilizer				
N	0.0	0.0	0.0	\$0.200 /lb
P	0.0	0.0	0.0	\$0.400 /lb
K	0.0	0.0	0.0	\$0.400 /lb
Lime	0.0	0.0	0.0	\$0.010 /lb
Herbicide				
Florasul	0.3			\$17.62 /gal
+ Sulfentra	1			\$1.00 /gal
Rupr + Blagrum	1.6			\$10.02 /gal
Buckl + Abasin	2			\$6.26 /gal
Glyphosate	22	14		\$0.11 /gal
+ Ammonium Sulfate	1.5	3.5		\$0.44 /lb
Rainbird Weather Max		22		\$0.29 /lb
Insecticide / Fungicide				
Mandate				\$3.10 /gal
Seedbox treatment				\$1.00 /bu
Irrigation water, inch-hours				\$1.75 /in
Irrigation repairs, \$/acre-inch				\$0.32 /in
Drying cost, \$/bu (bu, cost, etc)	\$0.00	\$0.00	\$0.00	

Using Excel Spreadsheets

CROP BUDGETS SHOWING TOTAL COSTS AND RETURNS	Wheat	Maize	Soybeans	Total	Per Acre
Planted acres of each crop	800.0	800.0	800.0		1,600.0
INCOME PER ACRE					
A. Yield per acre	52.0	88.0	54.0		
B. Price per unit	\$1.50	\$4.50	\$11.00	\$36,800	\$350.50
C. Net government payments	\$14.16	\$14.16	\$14.16	\$21,000	\$14.16
D. Indemnity payments	\$0.00	\$0.00	\$0.00	\$0	\$0.00
E. Miscellaneous Income	\$0.00	\$0.00	\$0.00	\$0	\$0.00
F. Net Income (B + C + D + E)	\$300.16	\$410.16	\$308.16	\$101,800	\$348.06
COSTS PER ACRE					
1. Seed	\$10.00	\$14.04	\$0.00	\$10,910	\$33.20
2. Herbicide	0.29	\$0.23	\$0.00	20,203	\$1.64
3. Insecticide / Fungicide	27.96	0.00	0.00	23,230	\$13.95
4. Fertilizer and Lime	50.77	47.80	19.26	67,464	42.17
5. Crop Consulting	0.00	0.00	0.00	0	0.00
6. Crop Insurance	0.00	0.00	0.00	0	0.00
7. Drying	0.00	0.00	0.00	0	0.00
8. Miscellaneous	0.25	0.25	0.25	10,000	6.25
9. Machinery Expense	101.14	94.14	49.40	140,000	91.77
10. Non-machinery Labor	11.00	11.00	11.00	17,000	11.00
11. Irrigation	0.00	0.00	0.00	0	0.00
12. Land Charge / Rent	60.00	60.00	60.00	104,000	65.00
G. SUB TOTAL	\$384.95	\$273.42	\$305.52	\$444,735	\$277.96
H. Interest on 1/2 Routed Costs	0.00	0.25	0.11	10,222	6.39
I. TOTAL COSTS	\$384.95	\$273.67	\$305.63	\$454,957	\$284.35
J. NET TURNING OVER COSTS (F - H)	\$84.21	\$136.49	\$102.53	\$104,899	\$63.71
K. TOTAL COSTS/UNIT (F/H)	\$0.61	\$3.10	\$0.56		



Spreadsheets

Replace calculator/worksheets

Very useful for ...

- Budgeting (“what if analysis”)
- Data storage/analysis
- Financial/production reports
- Anything numbers oriented

Advantage: numerical visualization

Tips and Help

- Always a better way
- No numbers in formulas
- Save/rename files (saving files off web)
- “Right-click” – can do a lot
- Absolute vs. relative (use “\$”)
- Multiple ways to do things
keyboard vs. mouse

Excel Training_Budget [Compatibility Mode] - Microsoft Excel

CROP BUDGETS SHOWING TOTAL COSTS AND RETURNS					
Crop/System	Wheat	Milo	Soybeans	Total	Per Acre
Planted acres of each crop	800.0	400.0	400.0	1,600.0	---
INCOME PER ACRE					
A. Yield per acre	52.0	80.0	34.0	---	---
B. Price per unit	\$5.50	\$4.50	\$11.00	\$536,800	\$335.50
C. Net government payments	\$14.16	\$14.16	\$14.16	\$22,656	\$14.16
D. Indemnity payments	\$0.00	\$0.00	\$0.00	\$0	\$0.00
E. Miscellaneous income	\$0.00	\$0.00	\$0.00	\$0	\$0.00
F. Returns/acre (A x B) + C + D + E	\$300.16	\$410.16	\$388.16	\$559,456	\$349.66
COSTS PER ACRE					
1. Seed	\$16.00	\$14.94	\$82.60	\$51,818	\$32.39
2. Herbicide	6.29	34.23	14.95	24,703	15.44
3. Insecticide / Fungicide	27.90	0.00	0.00	22,320	13.95
4. Fertilizer and Lime	50.77	47.86	19.26	67,464	42.17
5. Crop Consulting	0.00	0.00	0.00	0	0.00
6. Crop Insurance	0.00	0.00	0.00	0	0.00
7. Drying	0.00	0.00	0.00	0	0.00
8. Miscellaneous	6.25	6.25	6.25	10,000	6.25
9. Machinery Expense	101.74	94.14	69.46	146,830	91.77
10. Non-machinery Labor	11.00	11.00	11.00	17,600	11.00
11. Irrigation	0.00	0.00	0.00	0	0.00
12. Land Charge / Rent	65.00	65.00	65.00	104,000	65.00
G. SUB TOTAL	\$284.95	\$273.42	\$268.52	\$444,735	\$277.96
13. Interest on 1/2 Nonland Costs	6.60	6.25	6.11	10,222	6.39
H. TOTAL COSTS	\$291.54	\$279.68	\$274.63	\$454,957	\$284.35
I. RETURNS OVER COSTS (F - H)	\$8.62	\$130.48	\$113.53	\$104,499	\$65.31
J. TOTAL COSTS/UNIT (H/A)	\$5.61	\$3.18	\$8.08	---	---

The labels (text) have already been entered.

Enter formulas to calculate the "Total" and "Per Acre" columns.

Excel Training_Budget [Compatibility Mode] - Microsoft Excel

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Blue cells are numbers. Black cells are formulas

Formulas bringing values from "Input" sheet.

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Formulas to calculate the total returns and costs.

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Formula to calculate the interest on 1/2 of non-land costs.

Formulas to calculate returns over costs and total costs per unit.

Excel Training_Budget [Compatibility Mode] - Microsoft Excel

CROP BUDGETS SHOWING TOTAL COSTS AND RETURNS					
Crop/System	Wheat	Milo	Soybeans	Total	Per Acre
Printed acres of each crop	800.0	400.0	400.0	1,600.0	--
INCOME PER ACRE					
A. Yield per acre	52.0	88.0	34.0	--	--
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All done.

Not bad

Questions?

