



Cooperative Extension Service

## **User's Guide for Interactive Crop Enterprise Budgets in Excel**

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### **General Information**

Crop enterprise budgets in Excel are interactive versions of the printed budgets contained in publication AG-1262. Interactive budgets enable users to change data related to specific operations and obtain revenue and costs results that are calculated within a spreadsheet.

### **Specific Crop Budgets**

Files for specific crops are interactive budgets for each crop. Users can change only data values of white cells. All cells that contain formulas are locked and are not changeable. The "Budget" worksheet includes grower percentages in column B for revenue and costs items to represent share rent circumstances. Percentage values represent grower share received as revenue or paid for an input. Enter revised percentage values as whole numbers with no decimals and the spreadsheet will interpret the entries as percentages. Cells open for changing in column C are for alternative input levels and open cells in column D are for alternative input prices.

Example for Furrow Irrigated Cotton: Cotton yield is originally 1200 in cell D3 and price is 0.81 in cell E3. Net returns are 368.09 in cell F50. Change yield in cell D3 to 1100 and price to 0.75 in cell E3. Enter 75 in cell B3. Observe resulting changes in cells of columns F. Crop value in cell F3 is 618.75 and cottonseed value is 135.30 in cell F4. Net returns are revised to 14.84 cell F50.

Change all cells to original values. The "Seed-Chemical" worksheet contains information for seeds planted and chemicals applied to crops. Change the seed technology fee in cell D4 from

1.206 to 1.489. Change the price of Glyphosate Plus in cell D9 from 1.60 to 1.70. Net returns are now 354.07 in cell F50 of the “Budget” worksheet.

Change all cells to original values. The “Irrigation” worksheet contains information for irrigation systems. Change cell B1 from 1 to 2. This represents changing to a center pivot irrigation system. Costs for this system are automatically entered into the expense calculations. Net returns are now 296.05 in cell F50 of the “Budget” worksheet.

Change all cells to original values. The “Machine” worksheet allows users to make alternative equipment selections. Change cell B53 to 7, which represents one less spraying with a self-propelled sprayer. Go to the “Budget” worksheet, and enter a 1 in cell D20. This represents a custom aerial application to replace one application with a self-propelled sprayer. Net returns are now 363.53 in cell F50 of the “Budget” worksheet.

All files for individual crop budgets have identical formats and can be similarly revised by users changing values of any of the cells open for changing.

## **Budget Summaries**

Budget summaries include costs and returns comparisons between crops which are grouped by irrigation type. There are a total of three summary tables for surface irrigation, center pivot irrigation, and nonirrigated crops. Data for summary budgets are entered by users in cells B4-B5, B10-B18, and B23. Data results in other cells are automatically calculated by formulas and should not be altered by users. Formats of all summary tables are identical.

Example for Table 1: Cotton yield is originally 1200 in cell B4 and price is 0.81 in cell B5. Seed costs are originally 105.31 in cell B10. Net returns to operating expenses are 491.44 in cell B21. Change yield in cell B4 to 1100 and price to 0.75 in cell B5. Change seed costs to 110.00 in cell B10. Change capital recovery to 125.00 in cell B23. Observe resulting changes in cells B6, B7, B20, B21, B24, B26, B28, and B29. Crop value in cell B6 is 825.00, and cottonseed value is 135.30 in cell B7. Net operating expenses are 485.25 in cell B20. Returns to operating expenses are 339.75 in cell B21. Total specified expenses in cell B24 are 610.25, and returns to specified expenses in cell B26 are 214.75.

Other crops in Table 20, as well as crops in Table 21 and Table 22, are similarly revised by users changing values of any of the designated cells.



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