



**4. Reduced Income.** Items to include here might be reductions in product sales, such as corn, feeder pigs, apples or milk, rental income, custom work income, or USDA payments. Another consideration here may be reductions in yields due to reduced planting or harvest timeliness. When custom operators are used or ownership of equipment is shared, some cropping operations may not be completed in as timely a manner as desired in some years. This can reduce quality and yields that reduce farm income. Accurately estimating this factor can be difficult, however.

**Partial Budget Summary**

Summarization of the of the above four partial budget components is the last step in partial budgeting. Total each of the two factors in column 1 and write this result on the column 1 subtotal line. Repeat the process for column 2. Then take column 1 (added income/reduced cost) and subtract column 2 (increased costs/reduced income) to arrive at a projected net return from adoption of the change under consideration. A negative number indicates the change as considered will reduce whole farm income. A positive number indicates that the change will be profitable.

A Decision Tool is available to help you prepare a Partial Budget, [www.extension.iastate.edu/agdm/wholefarm/xls/c1-50partialbudgeting.xls](http://www.extension.iastate.edu/agdm/wholefarm/xls/c1-50partialbudgeting.xls).

**Example**

The example below illustrates how a partial budget can be used to analyze the decision to purchase

replacements for a cow-calf herd rather than raise them. Heifer calves that would have been held back from the herd can now be sold, resulting in additional income. Some costs for developing the heifers will no longer be incurred, such as feed, health and labor costs. Other costs, such as land ownership and depreciation on facilities, would probably not change, so they can be omitted from the budget. On the negative side, the cost of purchasing a bred heifer appears as an added cost. There is no reduced income entry, since cull cow sales would be the same for either alternative. In the example, the projected net change is negative, indicating that it would be more profitable to continue to raise the replacement heifers. However, if suitable bred heifers could be purchased at a lower price, the result might be different.

**Conclusion**

Partial budgeting can be useful in the decision process farm owners and managers use to decide on alternative uses of resources they have in their businesses. Partial budgeting is a systematic approach that can assist the manager in making informed decisions. But this budgeting process can only estimate possible financial impacts, not assure them. Management decisions and chance can change the projections. These may result in better or poorer than expected performance. Repeating the analysis using different assumptions about key variables will give some idea about the degree of risk involved in making the proposed change.

**Partial Budget Example: Switch from Raising Replacement Heifers to Buying Heifers**

<b>Added income due to change:</b>		<b>Added costs due to change:</b>	
Sell raised heifer calf: 500 lb. @ \$1.20	\$600	Purchase bred heifer:	\$1,200
<b>Reduced costs due to change:</b>		<b>Reduced income due to change:</b>	
Pasture maintenance	\$ 20	None	
Grain fed	\$ 40		
Supplement and mineral	\$ 45		
Hay fed	\$120		
Health, utilities and other costs	\$ 55		
Labor	\$ 50		
Subtotal	\$930	Subtotal	\$1,200

**Net Change: \$930 - \$1,200 = - \$270 (subtotal from column 1 minus subtotal from column 2)**