A common challenge facing grain farmers is to fully understand their overall production costs on a per unit basis. Knowing the firm’s break-even cost of production provides the decision maker with more certainty in marketing decisions involving contracts, hedges and or storage. Complicating this calculation is the fact that cost structures vary widely between farms both because of differences in machinery complements and because of differences in farm size. This study focused on the creation of a set of tools that can be used by either a grain farmer or a grain merchandiser to develop a grain marketing plan based on production and storage cost estimates (a break-even calculator). While determining return above variable costs except management is generally straightforward, adding in a fixed cost component can prove to be quite difficult as it is unique to each production entity. Fixed costs were approximated using cash rental rates and custom farming rates for production activities. Flexibility has been designed into the tool to allow the end user to adjust costs, yield level, and price per bushel. Storage costs include both opportunity costs assessments and commercial storage costs. Results from the model provide the end user a benchmark for making marketing decisions. All analysis was done using Excel.