

Overview of Price Risk Module 1: Developing A Risk Management Plan

This presentation provides an overview to the topic of developing a risk management plan. The focus is on how risk management should be integrated into the overall planning process. While some specific issues or tools are mentioned or used as examples, this presentation is designed to introduce the topic of managing production, financial, and price risk.

Risk management is part of the planning process and should be incorporated into the traditional components of a farm plan. It is not a stand-alone plan. The planning process involves developing expectations or estimates. Since no one has a crystal ball that allows a clear view into the future, producers should not be dismayed if their expectations don't always turn out to be 100 percent accurate. When evaluating the plan and the planning process, compare actual prices, yields, etc. to expectations. Producers need to determine why expectations did not match the actual outcome. Given the available information, were the expectations realistic, too optimistic, or even too pessimistic? Since risk is the chance that an outcome will not meet expectations, risk increases when plans are made based on unrealistic expectations.

Risk management extends to all management decisions. Every management decision contains risk management implications, both what a producer does and doesn't do. Management decisions should be based on the best available information. Collecting and analyzing data is a continuous process.

To deal with risk effectively requires an understanding of your current financial situation, sources of risk, and the tools to help manage the different types of risk (See Chapters 2, 6 and 7). While all producers face the same basic types of risk, the importance of a particular type of risk and the effectiveness of a given risk management tool will vary by producer.

Developing probabilities can be an important part of the risk management planning process. The insight and understanding gained in the process of developing probabilities can be as useful as the probabilities themselves. Focus on crucial issues and ones where you either have or can obtain data. Every event cannot be quantified, however, nor should they be. Historical records are an important part of this process. While historical price data at selected terminal markets may be readily available, what about your local cash market? If a producer doesn't have them, can they be obtained from someone else? Do producers maintain field records? Do they do anything but collect the data? Are the data used in developing projected yields?

The probability examples show a ten-year price history for soft white wheat at Portland, marketing years 1986 through 1995. An alternative to including all years in a ten or twenty year time series would be to separate years according to some crucial component such as stocks to use or production. Then compare price behavior in “high” and “low” stocks years, or compare years with “high” production to years of “low” production. Arranging the data in a cumulative probability distribution can help answer questions such as what is the chance the price will be at or above \$3.75? (roughly 60 percent.) Or what is the chance that the price will be below \$3.75? (roughly 40 percent.) What is the chance that the price of soft white wheat at Portland will fall between \$3.35 (18%) and \$4.25 (76%)? (roughly 58 percent: 76–18.) Historical data can be useful, but should never be accepted uncritically. If the factors that influence market fundamentals change, then historical data may not be as relevant. Recognize any bias that may exist in the data set (Note Chapter 5 and see CD ROM, PNW Historical Grain Price Data).

Risk assessment means knowing your capacity to bear risk. Financial statements can be very useful in this regard. They can also show how much risk you can afford as well as how much risk protection you can afford. Just as important is to know what level of risk you and your family will tolerate. Not everyone is a gambler.

Different products or strategies are discussed for dealing with production risk, price risk, revenue risk and financial risk. These are not comprehensive and they are not equally applicable to all producers or to all areas. The new revenue products, income protection and crop revenue coverage, are in a process of rapid change and development.

There is the old cliché that “people don’t plan to fail, they fail to plan.” Planning is a challenging process and reminds us of some things we would like to forget. It can also show our limitations. Because the farm business often involves family members, differences of opinions and conflicts are common. Planning often forces these disagreements into the open and can lead to bitter disputes. Focus on less controversial issues and those you agree on before tackling the contentious ones.

There are no silver bullets in risk management. A viable plan or strategy for one farm will not necessarily work elsewhere. The purpose of risk management is try and find the right balance between taking risks that will increase profits, while avoiding risks that can lead to unacceptable losses.

