

Ag Survivor: The King Family Ranch

- Mountain valley ranch in the Rocky Mountain West.
 - 500 cows
 - » 400 calves sold each year, typically
 - 350 acres of hay
 - \$51,996 of expected profits
 - » Revenues = \$247,996.50
 - » Expenses =\$196,000.00



RightRisk Risk Example King Family Ranch

Risk Scenario: Normal Winter

➢ 67% probability

RIGHTRISK

Hay prices go down \$10/ton



- > No increase in feed usage (825 ton)
- No change in expected weaning percentage



RightRisk Risk Example King Family Ranch

Risk Scenario: Severe Winter

- > 17% probability
- Hay prices go up \$15/ton



- Increases feed usage 100 tons (925 tons)
- Weaning percentage
 - - 3.0% if no required hay purchase
 - - 3.4% if required to purchase 50 tons or less
 - - 4.2% if required to purchase more the 50



RightRisk Risk Example King Family Ranch

Risk Scenario: Milder Than Normal Winter

> 17% probability

RIGHTRISK

- Hay prices go down \$20/ton
- A 50 ton decrease in feed usage (775 ton)
- No change in expected weaning percentage





Example: Hay Storage



		Actions		
Winter	Prob.	Buy Hay	None	Sell Hay
Severe	1/6	\$36,159	\$34,365	\$31,524
Normal	4/6	\$50,997	\$51,497	\$51,997
Mild	1/6	\$52,997	\$53,997	\$54,997
JGHTRISK				



















RightRisk Results



Risk Assessment Summary

- Appropriate decisions must consider
 - Sources of risk
 - Risk probabilities
 - Possible outcomes
 - Risk preferences



RightRisk Ag Survivor

Provides an opportunity to practice risk management without the *real world* consequences



