

# Farm Business Management

Academic Content Area: Environment and Ecology – Grade 10

## Career Development Event Content

1. Analyze farm/ranch business management information.
2. Apply economic principles and concepts of farm business management to the decision-making process.
3. Evaluate farm business management decisions.
4. Work together cooperatively as a group.

## Related Academic Standards/Anchors

Objectives 1-4: **4.1.10.B; 4.2.10.A,C; 4.3.10.B; 4.4.10.A,B,C,D; 4.5.10.A; 4.8.10.C**

## Connecting Examples: CDE Objectives and Standards/Anchors

Ex. 1 Related to 4.2.10.C: Analyze how man-made systems have impacted the management and distribution of natural resources. Sub-point, analyze the costs and benefits of different man-made systems and how they use renewable and nonrenewable natural resources. **Through this career development event, students are required to use specific scenarios given to discuss and determine the most profitable farm business management practices. Such scenarios will include the production of agriculture products (renewable resources) in comparison to alternative products.**

Ex. 2 Related to 4.4.10.B: Assess the influence of agricultural science on farming practices by comparing and analyzing various tillage practices. **Students become actively involved in this career development event because it enables them to develop comparisons and a rationale to the most profitable management techniques within the given scenario of agricultural practices and sciences.**

Ex. 3 Related to 4.8.10.C: Analyze how human activities may cause changes in an ecosystem. **During the decision making process, students are required to consider the environmental effects of different agricultural production strategies.**

# Farm Business Management

Academic Content Area: Mathematics – Grade 11

## Career Development Event Content

1. Analyze farm/ranch business management information.
2. Apply economic principles and concepts of farm business management to the decision-making process.
3. Evaluate farm business management decisions.
4. Work together cooperatively as a group.

## Related Academic Standards/Anchors

Objective 1: 2.1.11.A; 2.2.11.A,B,C,D; 2.3.11.A; 2.11.11.A,B,E

Objective 2: 2.1.11.A; 2.2.11.A,B,C,D; 2.4.11.B,C,D,E; 2.8.11.A,C,F,H,Q,S,T; 2.10.11.A; 2.11.11.A,B,E

Objective 3: 2.1.11.A; 2.2.11.A,B,C,D; 2.6.11.A,B,I; 2.7.11.B,C,E

Objective 4: 2.5.11.A,B,C,D

## Connecting Examples: CDE Objectives and Standards/Anchors

Ex. 1 – Related to Objective 1 (2.1.11.A): Projected cash flow. What percent of total cash outflows does family living represent on the Crabtree Farm Business?  $(42,000/505,099)*100 = 8.32\%$

Ex. 2 – Related to Objective 2 (2.11.11.A): If the Crabtree's each contribute the maximum to their IRA (3,000), what would the combined first years contributions be worth when they retire assuming a 6 % average annual return?  $6,000 \times 3.6035 = 21,621.00$

Ex. 3 – Related to Objective 3 (2.6.11.A): Payback Period Analysis. Comparing Waxy to White Corn in a chart. 1-8 years. Dollar amount for both the Waxy and White corn are given. Based upon a linear relationship, which expected crop return would pay back the initial investment (20,000) in the shortest period of time? Also, how many years will it take to pay back the investment? **Waxy Corn. 1-4 yrs = 16,675.  $20,000 - 16,675 = 3,325$ . Year five  $3,325/4,594$  (yr 5) = .72 therefore 4.72 years.**

# Farm Business Management

Academic Content Area: Reading, Writing, Speaking and Listening – Grade 11

## Career Development Event Content

1. Analyze farm/ranch business management information.
2. Apply economic principles and concepts of farm business management to the decision-making process.
3. Evaluate farm business management decisions.
4. Work together cooperatively as a group.

## Related Academic Standards/Anchors

Objectives 1-4: **1.1.11.A,C,D,E,F,G; 1.2.11.A; 1.4.11.B,D; 1.5.11.A,B; 1.6.11.A,B,C,D,E; 1.7.11.B; 1.8.11.A,B,C**

## Connecting Examples: CDE Objectives and Standards/Anchors

Ex. 1 – Related to 1.1.11.E: Establish a reading vocabulary by identifying and correctly using new words acquired through the study of their relationships to other words. Use a dictionary or related reference. **Students are encouraged to familiarize themselves with the 242 Farm Business Management Definitions of Economic Terms.**

Ex. 2 – Related to 1.5.11.E: Revise writing to improve style, word choice, sentence variety and subtlety of meaning after rethinking how questions of purpose, audience and genre have been addressed. **Students are required to create a justification of their decisions and thoughts for evaluation by judges. This enables the students to exhibit writing styles, develop appropriate word choices while considering the audience provided.**

Ex. 3 – Related to 1.6.11.E: Participants in small and large group discussions and presentations demonstrating everyday conversation and organized informal debate around specific topic. **Students are evaluated throughout this career development event on effective listening, oral communication skills, negotiation, issue resolution and solution development.**

# Farm Business Management

Academic Content Area: Reading, Writing, Speaking and Listening – Grade 11

## Career Development Event Content

1. Analyze farm/ranch business management information.
2. Apply economic principles and concepts of farm business management to the decision-making process.
3. Evaluate farm business management decisions.
4. Work together cooperatively as a group.

## Related Academic Standards/Anchors

Objectives 1-4: 1.1.11.A,C,D,E,F,G; 1.2.11.A; 1.4.11.B,D; 1.5.11.A,B; 1.6.11.A,B,C,D,E; 1.7.11.B; 1.8.11.A,B,C

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