

#### Graduate Extension Scholars Program

Understanding Business Structures, Markets, and Risk Management Strategies Handout 4.3 \_\_\_\_\_ Publication ALCE-177-I

## **Lesson 4 Cooperative Simulations Calculations**

### Round 1:

- 1. Because of the size of your cooperative, you are able to make a deal with a major feed company. They have offered you two deals; circle the option your cooperative chose:
  - a. If you all choose to feed the same formulation, your variable costs will drop by \$20 per head.
  - b. If you all choose to go with this company for feeding needs, you will receive a free supplement that will increase your market weight by 1%.
- 2. Since you have such a large amount of cattle, you can choose two routes to market; circle the option your cooperative chose:
  - a. One processor is willing to pay \$1,510 per head.
  - b. The other processor will buy all the cooperative's cattle at \$125/cwt.

Based on your decisions, calculate the profit of the cooperative.

How much will the co-op retain for next year? How much will be paid out in dividends?

How much did you make as an individual producer? Was this a better call than selling as one producer?

www.ext.vt.edu Produced by Virginia Cooperative Extension, Virginia Tech, 2019

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## Lesson 4 Cooperative Simulation Calculations (cont.)

### Round 2:

- 1. Because of the size of your cooperative, you are able to make a deal with a major feed company. They have offered you two deals; the cooperative can choose one:
  - a. If you all choose to feed the same formulation, your variable costs will drop by \$20 per head.
  - b. If you all choose to go with this company for feeding needs, you will receive a free supplement that will increase your market weight by 1%.
- 2. An opportunity has come up where the cooperative can purchase a slaughterhouse for \$500,000. Running the slaughterhouse will cost \$100,000 a harvest, but you have a grocery store willing to pay \$1.55/lb. on average if they can get the beef from the cooperative directly.
  - a. Do you all decide to buy the slaughterhouse and process your own meat?
  - b. Or, do you sell to a processor willing to purchase your cattle at \$123/cwt?

Based on your decisions, calculate the profit of the cooperative.

How much will the co-op retain for next year? How much will be paid out in dividends?

How much did you make as an individual producer? Was this a better call than selling as one producer?

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# Lesson 4 Cooperative Simulation Calculations (cont.)

### Round 3:

- 1. Your cooperative must decide whether or not to go organic. This decision is based on the following information:
  - a. A few members have noticed that the organic prices for beef are substantially higher. This is because processors are willing to pay \$175/cwt and retailers are willing to pay \$2.25/lb., depending on if you bought the slaughterhouse in Round 2.
  - b. However, your feed costs will double to feed organic.
  - c. Because of the strict regulations with organic and the limited supply of organic grains, the whole cooperative must switch to organic or not at all.

#### Does the cooperative decide to go organic?

Based on your decisions, calculate the profit of the cooperative.

How much will the co-op retain for next year? How much will be paid out in dividends?

How much did you make as an individual producer? Was this a better call than selling as one producer?

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