

Agriculture Scenario Sheet

Group Members:

Congratulations! Your group has been selected to be managers of your own ranch/farm, a 10-acre property in Wyoming. You will need to plead a case for whether the land should be used for crop production, raising livestock, or both. In order for the land to be productive, yet ensure good stewardship practices, you will use all the information gathered from the previous lessons one through five.

Here are a few reminders when you are planning your ranch/farm. Use the checklist below to use as a guide:

- The 10 acres can be kept whole, or it can be broken into smaller sections that are each managed differently.
- Each acre may have only one type of crop or livestock grown or raised on it.
- If crops are grown on an acre, livestock cannot be raised in that acre.
- If livestock are raised in an acre, crops cannot be grown in that acre.
- To prevent overgrazing (good stewardship practices), there is a limit to how many head of livestock can be raised on each acre. The number of livestock that can be raised on each acre are listed in the chart at the bottom of this page.
- You have already determined the cost and profit of livestock per head. Now you will need to figure out how the total cost and income of livestock per acre.
- Crops can only be grown in a section for one year. Then, they must rotate to a new section to be farmed the following year (good stewardship practices). You will need to take this into consideration when planning how to use your land for the best profit. This means that you can grow each crop on no more than 5 acres.

Livestock	Number of livestock allowed per acre
Beef	1
Hogs	25
Sheep	10
Dairy Cow	1
Goats	5



Acre Sheet

Choose which crop or livestock you will raise or grow on each acre. Create a color code or draw symbols to represent each crop or livestock in the key below, then fill in each acre with the symbol or color you have chosen.

Key:

Acre 1

Acre 2



Acre Sheet

Acre 3

Acre 4

Acre 5

Acre 6



Acre Sheet

Acre 7

Acre 8

Acre 9

Acre 10



Livestock Cost/Profit Conversion

To determine the total cost and profit for livestock on each acre, you will need to multiply the number of livestock allowed per acre by the amount of profit they can earn. The profit per head can be found by looking at your Cost/Benefit sheet.

Livestock	Number of livestock allowed per acre	Profit per head	Total profit of all livestock for ONE acre (profit x number of livestock allowed per acre)
Beef	1	\$	\$
Hogs	25	\$	\$
Sheep	10	\$	\$
Dairy Cow	1	\$	\$
Goats	5	\$	\$

Livestock	Number of livestock allowed per acre	Cost per head	Total cost of all livestock for ONE acre (profit x number of livestock allowed per acre)
Beef	1	\$	\$
Hogs	25	\$	\$
Sheep	10	\$	\$
Dairy Cow	1	\$	\$
Goats	5	\$	\$



Budget Summary

Record which crop or livestock you chose to grow or raise on each acre. Fill in the income and cost per acre by looking at your cost/benefit sheets, and your Livestock Cost/Profit Conversion sheets.

	Crop/Livestock	Income per Acre	Cost per Acre	Profit per Acre (Income - Cost)
Acre 1				
Acre 2				
Acre 3				
Acre 4				
Acre 5				
Acre 6				
Acre 7				
Acre 8				
Acre 9				
Acre 10				
Totals:		Total Income per Acre	Total Cost Per Acre	Total Ranch/Farm Profit



