

# GROWING AGRICULTURE

together.

Name: \_\_\_\_\_

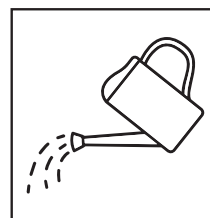
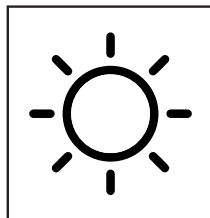
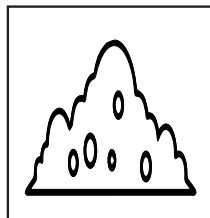
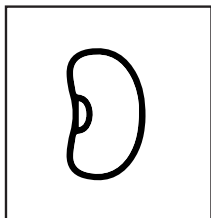
## WHAT AFFECTS YIELD?

Yield is the amount of product harvested per acre. So how does a producer estimate what that will be? Mother Nature plays a large role in determining yield for agriculture products such as corn, beans, and wheat. This is true for all other plants as well. For example, rain, sunlight, and soil nutrients play a big part in determining how well a plant will grow, or how well it will yield. Do the experiment below. Then answer the questions on the back side based on the results from your experiment.

Using the seed of your choice, plant the same number of seeds into 4 different cups and follow the directions below with one control group and three different experiment groups. Track your process and results.

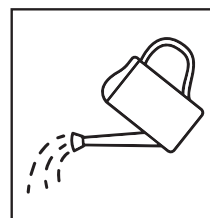
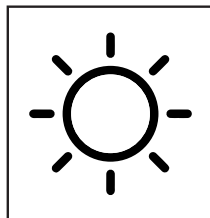
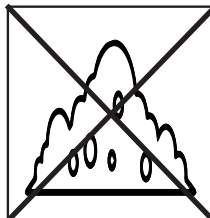
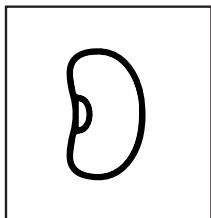
### CONTROL GROUP

- Seed
- Planting Soil
- Access to Sunlight
- Water as directed



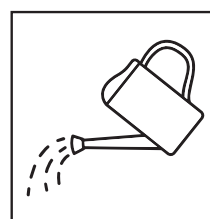
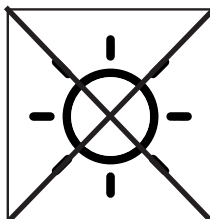
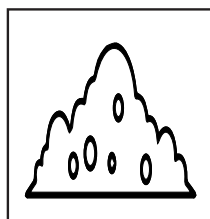
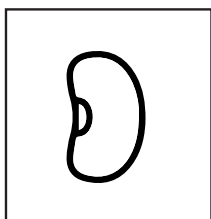
### EXPERIMENT GROUP A

- Seed
- **NO planting soil - use dirt**
- Access to Sunlight
- Water as directed



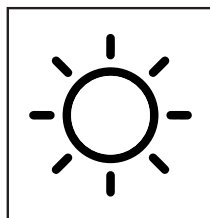
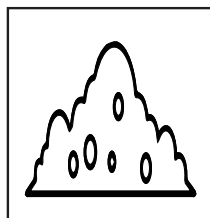
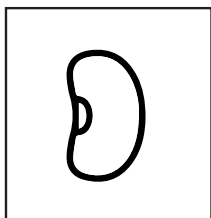
### EXPERIMENT GROUP B

- Seed
- Planting Soil
- **NO access to Sunlight**
- Water as directed



### EXPERIMENT GROUP C

- Seed
- Planting Soil
- Access to Sunlight
- **NO water**



Share what you found. Answer the questions below based on the results of your experiment.

### **CONTROL GROUP**

Describe what your plant looks like at the end of the experiment:

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### **EXPERIMENT GROUP A**

Describe what your plant looks like at the end of the experiment:

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### **EXPERIMENT GROUP B**

Describe what your plant looks like at the end of the experiment:

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### **EXPERIMENT GROUP C**

Describe what your plant looks like at the end of the experiment:

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### **SUMMARY**

At the end of the experiment, which plant looked the best and which plant looked the worst?  
What conclusions can you draw from your results?

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