

# STUDENT WORKSHEETS



## WORKSHEET 1: KERNEL DISSECTION

Name:

Draw a labelled diagram of a dissected corn kernel and include the following: endosperm, pericarp, germ, and tip cap.

**DRAW THE KERNEL AND LABEL THE PARTS THAT YOU SEE**

Blank area for drawing and labeling the corn kernel.



**WORKSHEET 2: CORN KERNEL PARTS**

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

Answer the following questions on corn kernel parts.

**PERICARP**

1. What is the pericarp?

2. What is the pericarp's key function during the germination process?

**ENDOSPERM**

1. What is the endosperm?

2. What is the endosperm's key function during the germination process?

**GERM**

1. What is the germ?



**WORKSHEET 3: SWEET CORN CLIMATE THREATS**

Name:

Review the climate threats to sweet corn and match the solutions to each threat.  
 Draw a line from the threat to the most appropriate solution.

Climate Threat	Solution
A. Extreme heat during flowering (silking) and pollination.	Selecting heat-tolerant or climate-suited varieties.
B. Heatwaves and rising average temperatures.	Shifting planting times and locations.
C. Adverse weather events (unexpected storms, droughts, or frosts).	Monitoring and integrated pest management.
D. Low soil temperatures at planting.	Concentrating production and harvest periods.
E. Increased pest and disease pressure due to longer growing seasons.	Using irrigation to cool crops and maintain soil moisture.



## WORKSHEET 3: SWEET CORN CLIMATE THREATS

Choose one threat and explain, in your own words, why the matching solution helps sweet corn growers in Australia.

**APPENDIX 1:  
CORN KERNEL**

# Corn Kernel

