

CALIFORNIA SCIENCE & ENGINEERING FAIR 2018 PROJECT SUMMARY

Name(s)	Project Number
Audrey C. Sherf	J1218
Project Title	
Effect of Pesticides on Decomposition	
Abstract	
Objectives/Goals The objective of this experiment is to observe the effects	of pesticides on the decomposition of leaves in
soil.	is pesticides on the decomposition of reaves in
Methods/Materials For this experiment, I filled 12 jars with soil from an orga to them. The other half just had water added. One leaf wa weeks) I weighed the leaves to see if they decomposed or Results	s placed into each jar. Every week (for 12
After 12 weeks, the leaves in the control jars lost 3.5g over overall. The average amount of mass lost for the leaves in for the leaves in the pesticide jars was 0.7g. The leaves in	the control jars was 0.5g. The average mass lost
Conclusions/Discussion The leaves in the pesticide jars lost more mass than the leaves in the pesticides did not seem to kill sow bugs. In fact, the sow be The pesticide jars had more sow bugs than the control jars on the decomposition of the leaves.	bugs multiplied. Sow bugs skeletonize leaves.
Summary Statement	61 ' '1
I observed the effect of pesticides on the decomposition o	t leaves in soil.
Help Received	
I designed and conducted this experiment by myself. My	mother reviewed my results and assisted with