

## CALIFORNIA STATE SCIENCE FAIR 2013 PROJECT SUMMARY

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Project Title Air for the Microbes	
Abstract	
Objective: To find the most effective method of aerating compost	
Methods/Materials Materials and Methods: 12 plastic bins were filled with equal amounts into groups of three, and in each group, a different technique of aeratin the control group, Group 2 was the turning method, Group 3 used the p mixing method. Composts were mixed and tested in the lab for nitrate	and types of waste. They were split ag compost was used. Group 1 was biling method, and Group 4 used the levels.
Results Results: The #mixing# method proved to be the most effective because nitrate, which indicates higher maturity of the compost.	e it showed the lowest level of
Conclusion: The mixing method introduced the largest amount of air to which sped up their decomposition activity.	o the microbes in the compost,
Summary Statement	
My project tested the most effective way of aerating composts by meas that were aerated with different methods.	suring the nitrate level in composts
Ielp Received	