



**CALIFORNIA STATE SCIENCE FAIR  
2007 PROJECT SUMMARY**

<b>Name(s)</b> <b>Chingiz Bigalimov</b>	<b>Project Number</b> <b>S1406</b>
<b>Project Title</b> <b>What Helps Fungi Grow?</b>	
<b>Abstract</b> <b>Objectives/Goals</b> If I add SuperThrive or Vitamin B1 or Auxin to an agar solution in which a fungus will be planted, then the fungus will grow faster. <b>Methods/Materials</b> Materials: # Balance # 30 Petri dishes # Nutrient Agar (Micro Biology Grade) # A microscope # Digital Camera # Vortex # Pipettes # Microwave # 10ml Test Tubes # 100ml Beakers # Sterile loop # Bunsen burner # Ethyl Alcohol # Spread Plate <b>Results</b> After five days the most fungus growth appeared to be not on the SuperThrive Petri dishes but on those of the Nutrient Agar. The Super Control groups, just like the Vitamin B1, Auxin and the Control group have shown no fungus growth. SuperThrive, however, has shown tiny growth of fungus with just 4 tiny colonies per 5 Petri dishes in comparison to Nutrient Agar group which had shown itself as great media for fungus with about 90 large colonies per dish. <b>Conclusions/Discussion</b> My experiment did not support the hypothesis that SuperThrive (or any of its active ingredients by themselves) encourages fungus growth in a plant. The experiment, however, gave a rise to conclusion that the SuperThrive (or any of its active ingredients) encourage the plant to release other chemicals that might act as nutrients to the fungus and create a perfect environment for fungus to grow and spread on the plant.	
<b>Summary Statement</b> If I add SuperThrive or Vitamin B1 or Auxin to an agar solution in which a fungus will be planted, then the fungus will grow faster.	
<b>Help Received</b>	