



**CALIFORNIA STATE SCIENCE FAIR  
2010 PROJECT SUMMARY**

<b>Name(s)</b> <b>Dawson J. Bean</b>	<b>Project Number</b> <b>S2003</b>
<b>Project Title</b> <b>Creeping Charlie</b>	
<b>Abstract</b>	
<b>Objectives/Goals</b> For my project I wanted to find out which kind of fertilizer would promote the most growth for a plant cutting.	
<b>Methods/Materials</b> Materials: 20 Creeping Charlie cuttings, 20 pots, potting soil, ash, fertilizer 5-7-3, fertilizer 22-5-8, and water. My steps were I mixed the four different kinds of fertilizer separately into the potting soil. I filled the pots accordingly with the mixed soil and planted a creeping Charlie. Label each pot according to their fertilizer. Check and record data once a week.	
<b>Results</b> The group of plants that had ash grew an average of 2.24". The group of 5-7-3 grew an average of .76". The group of 22-5-8 grew an average of .17". The group of plain potting soil grew an average of 4.22".	
<b>Conclusions/Discussion</b> Clearly the group with just potting soil grew the most. My conclusion is that it is wisest to use just potting soil when trying to grow creeping Charlie cuttings. This is so because the nitrates and other elements in fertilizer hindered the growth of the cutting. Most people will add these kinds of fertilizer later on in the growth process. The higher nitrate fertilizers seemed to take away the energy of the plant cutting. This experiment will help people understand the effects of fertilizer and how to best use them.	
<b>Summary Statement</b> For my project I tested to see which kind of fertilizer will promote the most growth in a Creeping Charlie cutting.	
<b>Help Received</b> My father helped me plant some of the cuttings.	