**Questions: “Energy Requirements for the Production of Ethanol”**

1. **What *environmental problems* do you see with the production of the alternative fuel ethanol?**  
     
   To produce ethanol, fertilizers have to be used to help the plants grow which is not good for the environment. Farming of the plants requires energy from other fuel sources, for example natural gas, diesel fuel and electricity. The transportation of the plants and later the ethanol also requires fuels. The production of ethanol also requires energy (coal, natural gas, electricity). Therefore, to make this alternative fuel, we use a lot of other fuels which are bad for the environment and release emissions.
2. **Compare the production of ethanol (Picture 1) to the production of *gasoline* (Picture 2). Which do you believe is the better fuel for our environment? Why?**

Ethanol is a better fuel for our environment because we need less energy to produce 1 million Btu of ethanol (0.78 million Btu) than we need to produce 1 million Btu of gasoline (1,23 million Btu).

To make energy we always need fuel. The more energy we need the more harmful this is for the environment because emissions are also produced.