# Christmas Tree Farm – Irrigation

Normally Iowa gets plenty of rain throughout the year to grow crops like corn, soybeans, and Christmas trees. However, the rain can come sporadically and some of the peak growing months like July and August may see little to no rain. Consider that you are an owner of a Christmas tree farm, and you want to install an irrigation system to your fields. This will better supply water to the growing trees when they need it the most. Adequate water will ensure the trees stay healthy, grow well, and resist diseases.

1. Give a brief overview of the issue that Christmas tree farmers face.
2. What limitations or constraints does the farmer face? Describe and explain each.
3. What are the potential solutions that address this issue?
4. What impacts might each solution have on people?
5. What impacts might each solution have on the natural environment?

Suggested resources:

* <https://youtu.be/xjhlRqsOnUs>
* <https://www.canr.msu.edu/news/optimizing_your_christmas_trees_irrigation_with_soil_tensiometers>
* <https://youtu.be/EvL1NwaF8Oo>
* <https://youtu.be/btAEVHtGdXM>