



# Wayne Lording

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Sustainable Farming  
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Study





# Technologies Used

- 9.2 KW Solar
- Geothermal Ground Source
- Solar Lighting
- Solar Vacuum Hot Water
- Black and Grey Water
- \$19 Per Qtr Yearly Average



## Common issues for Farmers

- Huge Energy Costs
- Lack of Understanding
- Profits Decreasing in certain areas of Ag.
- Inferior Product
- Misinformation on Technologies
- Small ROI/TCO on some Technologies

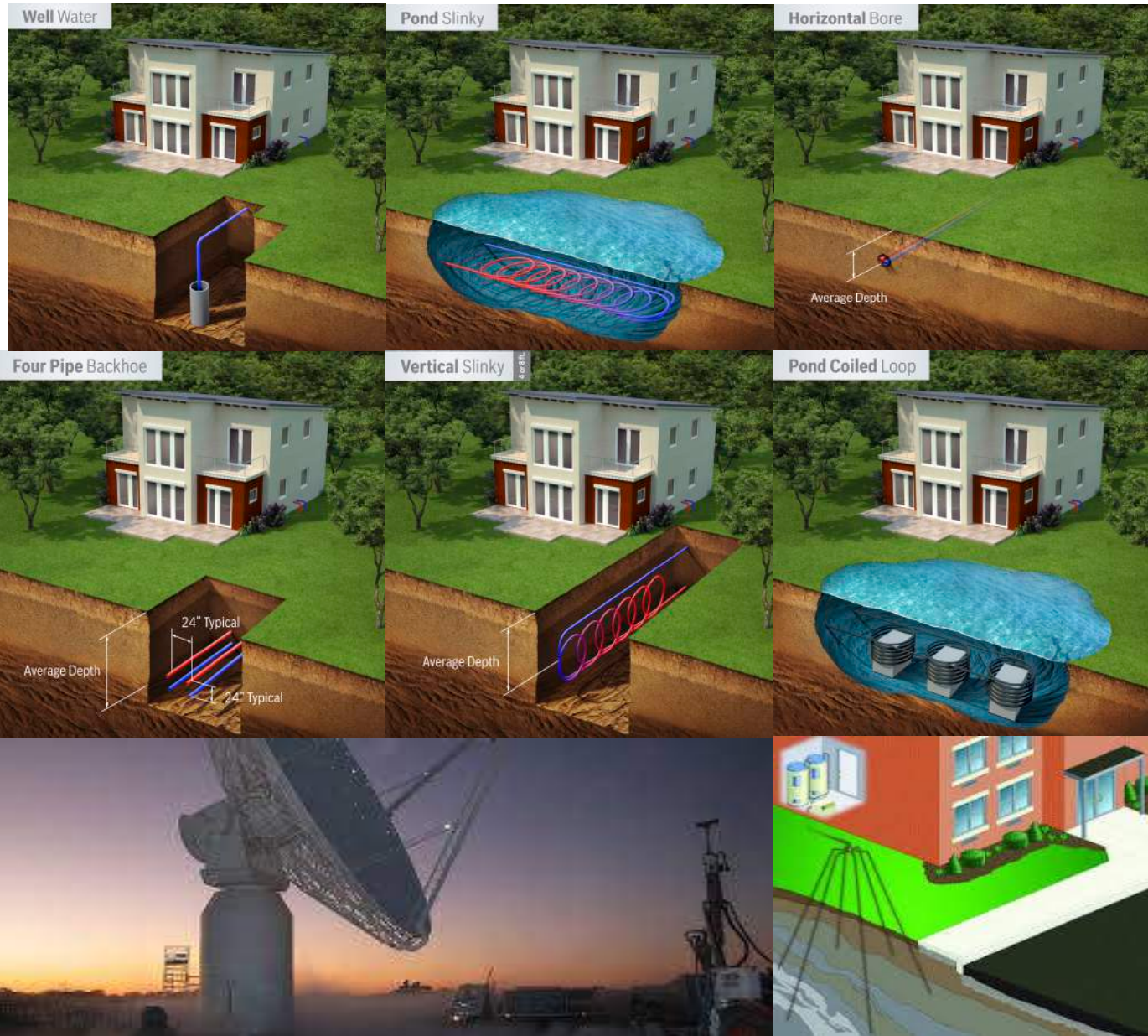






# Geothermal

- COP 8.2
- Ground Temp 16.2
- No Use of Water
- Produces Potable Hot Water
- Inexpensive to Run
- Outside Elements do not change performance
- Large ROI (Pig and Chicken Farms)







## Solar

- New 11c Tarrifs
- Solar and Solar
- Micro Inverters
- Panels in Series
- Solar Pumps
- Solar is an Investment
- Warranties
- Tier 1 Product





## Hot Water

- Solar Vacuum Tubes
- Runs off Radiation and not UV
- Robust
- Can Boil Water
- Easy Storage
- Best ROI

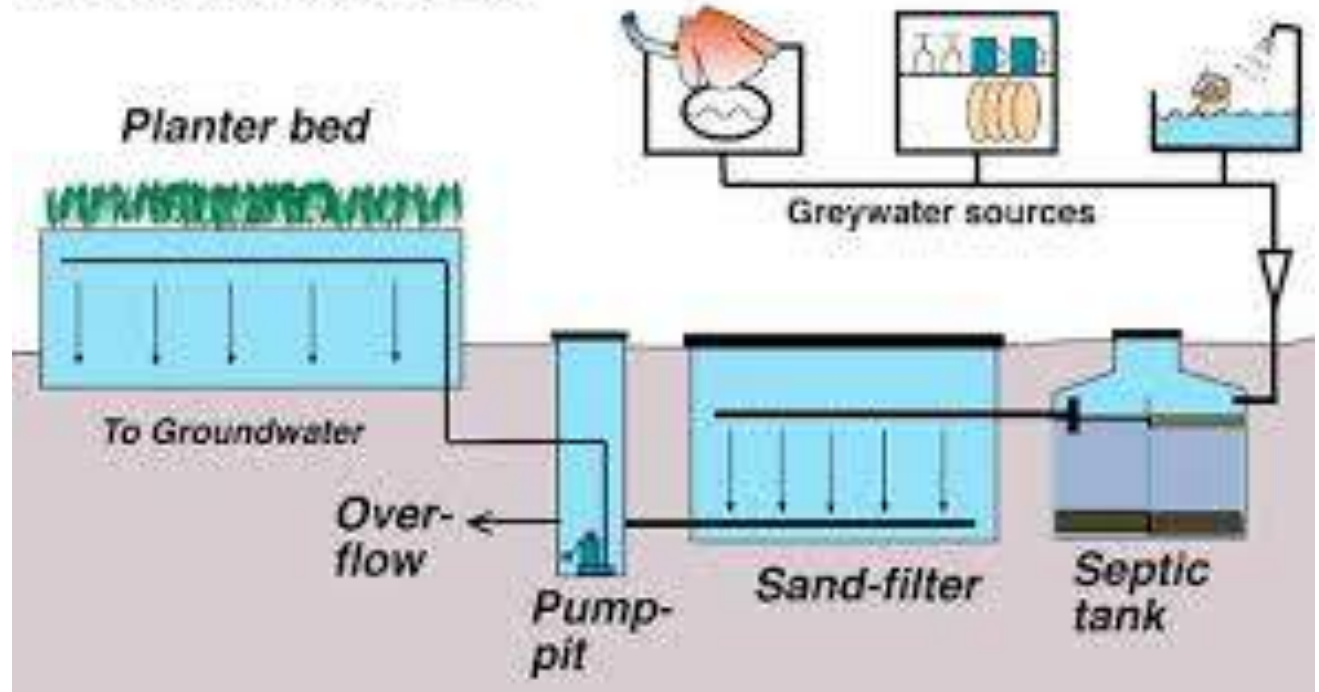




## Water Treatment

- Feed Crops
- Reduce Fertilisation
- Clean and Natural
- Nitrogen Content
- Safe and Reduction of Chemicals

Advanced greywater treatment







## Lighting

- Change to LED's
- Buy Quality
- Government Grants
- Color Temp
- Solar Lighting





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