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Effects of Animal Waste on Germination and Growth of Triticum aestivam

Our project was to test different manures and germination to see which manure would grow the best plant. We gathered horse, sheep, and cow manure. The dirt was gathered from a pasture. We mixed the dirt with the manures and planted the seeds. We watered the seeds 250 mls every 3 days. We let the wheat then grow for a week in order for us to measure germination of the wheat. We measured the wheat and watered every school day. As the weeks went on the wheat grew higher. The rates of germination was different for each manure. The horse germination rate was 47 out of 50. The cow germination rate was 50 out of 50 along with the sheep. The dirt germination rare was 48 out of 50. We measured for 2 months to see the height of the wheat. In all, the wheat grew the best in the sheep manure. We believe this because the sheep manure has more phosphorous and potassium then the other manures. The cow manure was next. After the cow manure was the horse manure and then the dirt. If we could do the project over again we would test different manures and different varieties of seed, such as rabbit, dog, and pig manures and different seeds such as beans and rye.