Grazing for Rain

Sand, Cody

The purpose of my experiment was to determine what type of rangeland has the most infiltration. I hyoitgesus that Holistically Planned Grazed Native Rangeland will have the most infiltration. First set up the rainfall simulator, then cut down the Holistically Planned Grazed Native Rangeland 21cm long y 9cm wide by 9cm thick so it will fit in the rainfall simulator container. After that place the soil in the rain fall simulator. Then pour 500 mL of water on the soil. After that set the timer for 3 minutes. When the time was up use a metric measuring cup to collect the infiltration in mL. Then use another metric measuring cup to collect the amount of runoff. Then record my information in a notebook. Lastly repeated steps 1-10 five times for each soil type. My results showed that Holistically Planned Grazed Native Rangeland came in first place with the average infiltration being 359mL. and the average runoff being 5.8mL Holistically Planned Grazed CRP Rangeland came in second with the average infiltration being 326mL. and the average runoff being 5.8mL. Season Long Grazed Native Rangeland was in third with the average infiltration being 306mL. and the average runoff being 12.4mL. Season Long Expired CRP rangeland got fourth with the average infiltration being294mL. and the average runoff being 12.8mL. Never been Grazed Native Wild-Life Rangeland got last with the average infiltration being 203mL. and the average runoff being 15.4mL. My hypothesis was correct Holistically Planned Grazed Native Rangeland got first.

Awards Won: