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The Impact of Rainfall in Determining the Shallow Seepage of Toxins in the Piedmont Summer Pasture

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INTRODUCTION

The Piedmont summer meadows are generally normal meadows, located at the foot of the mountains, with a soil depth of less than 40 cm. Given the severity of the center, it is all the more important that it has been severely damaged and could have significant impacts on the ecosystem's hydrological cycle and water use planning. In this review, we use a miniature lysimeter to study the contingency cases (probability and total) and potential ecology of shallow soil erosion in the summer snow-capped foothills of Piedmont in the northeastern Qinghai-Tibetan Plain. Control was measured. Higher precipitation and shallower soil layers in summer meadows are correlated with winter meadows, so we speculated that soil leakage in summer meadows depends on precipitation. All shallow ground lickings were performed in the snow covered summer fields of Piedmont during the non-freezing period from April to September. Daily 30 minute returns of precipitation and soil moisture content determined the potential for daily soil drainage. Total daily soil drainage was closely related to total daily precipitation.

DESCRIPTION

Monthly soil drainage he peaked in September, followed by June, July, August and May, all controlled by total monthly rainfall. Total annual soil leaching equaled approximately one-fifth of annual precipitation. Our results revealed that precipitation, including repetition and totality, played an important role in the occasional type of shoal run off. Precipitation and return had a decisive effect on the magnitude of the leakage current. These findings revealed that continuous low-volume precipitation tends to increase soil drainage. This was mainly due to the fact that solid precipitation activates surface runoff more than bottom runoff. In addition, the highly water-conducting, coarse-grained and highly porous soils in our region would be susceptible to precipitation intrusion. On the other hand, more repetitive precipitation leads to longer cloud days, resulting in lower net radiation doses and potential water savings from under-evaporation. Taken together, rainfall, including total and re-precipitation, addressed shallow ground licking the Piedmontese hilltops. Nevertheless, it should be noted that our analysis avoided the influence of horizontal bottom currents from melt water, which could reduce the water source and subsequently misjudge bottom drainage. There is. Future surveys will be needed to measure this subsurface hydrology, along with meadow decay and resulting surface heterogeneity. With that in mind, the risk of evapotranspiration should be somewhat small, and soil water cannot be discharged in large quantities to limit soil drainage. Considering this may be confirmed to some extent by the fact that the difference in soil drainage between day and night is not so large. In addition, total precipitation, if recurrence of precipitation was avoided in the calculated model, became the main variable for soil leakage probability.

CONCLUSION

Overall, in addition to increasing soil water content and decreasing evapotranspiration runoff, precipitation had a significant impact on soil leaching potential in summer upland clearings in Piedmont. Soil leaching is an important component of the Earth's water budget and plays a fundamental role in the flow of springs and rivers. This is especially true for high-altitude snow-capped areas widely alluded to as wetland "water towers." Owing to the occasional freeze-thaw cycles and the characteristic delineation of natural material along high crest soil profiles, soil leakage is significant but not effectively captured by hydrological processes. Be that as it may, past explores are normally founded on model re-enactments; hardly any observational examinations have been led in chilly regions. Thusly, measuring the dirt leakage and its basic natural controls would additionally work on our insight into the eco-hydrological processes and the assessments of water assets over elevated districts.

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