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An apparatus for the infiltration studies has been designed. The soil having a miscellaneous type of vegetation has a mass infiltration of 5 inches for a period of 3 hours while for that under broom (*Cytisus scoparius*) it is 4.5 inches for the same period. Regarding the grassland, the intake was the poorest during the 1st 15 minutes (i.e. hardly an inch); but during the subsequent period of 165 minutes, the infiltration has been nearly 1.5 inches which is much higher than that obtained in the cultivated land.