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The wilting litter in Qilian Mountains water resources conservation forest and the decomposing process of the litter as well as the amount of their accumulation were analyzed with changes in time. Also,its waterholding capacity, intercepting role, water storage and soil reduction of litter were studied. It was considered that the function of litter was finally shown in the effect of water and soil conservation and the conservation of headwater, thus providing the scientific basis for the comprehensive evaluation of ecological function of widely-distributed water resource conservation forest in this region.

【Key Words】 : water resource conservation forest litter accumulation of litter forest hydrological functions by forest

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