

CHARACTERISTICS OF PARTICLE POLLUTANT RUNOFF DURING UN-IRRIGATION PERIOD IN YASU RIBER BASIN

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ABSTRACT

In this study, rainfall runoff and pollutants runoff observation was carried out in Yasu River basin during un-irrigation periods in order to analyze the runoff characteristics of particle pollutant load. Some runoff events were analyzed and combination of rainfall runoff model and pollutant runoff model were applied for estimation runoff pollutant load during un-irrigation period. Total pollutant runoff load during un-irrigation period was evaluated by continuous simulation from 1996 to 1999. Unit load factor evaluated in this study was compared with other field survey. Result of this study indicated that pollutant runoff load during un-irrigation period estimated by the continuous model simulation was bigger than estimated load by conventional method.

KEYWORDS

Continuous simulation; particle pollutants; river basin management; storm water and pollutant runoff analysis