

ชื่อเรื่อง

A Trial on Consumptive Use of Vetiver Grass

ชื่อผู้วิจัย

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Abstract

The trials were conducted at 2 locations: Mae Taeng Irrigated Water Uses Experimental and Research Station in Chiang Mai Province and Samchuk Irrigated Water Uses Experimental and Research Station in Suphanburi Province, in order to evaluate the consumptive use of vetiver grass by lysimeter tank (Percolation type). At Mae Taeng, Mae Hae variety was planted from March 1, 1994 to August 31, 1994. The result of consumptive use by monthly were 116.5, 132.1, 142.5, 144.0, 154.7 141.4 mm. and the average of each month were 3.76, 4.40, 4.60, 4.80, 4.99, 4.56 mm./day and the total average was 4.52 mm./day. The Pan Coefficient ($K_p = ET/E$) of each month were 0.74, 0.80, 0.90, 1.20, 1.40 and the total average was 1.03. For Samchuk, Ratchaburi variety was planted from January 1, 1994 to December 31, 1994. The result of consumptive use by monthly from January to December 1994 were 106.7, 104.5, 133.9, 142.5, 154.4, 166.7, 169.8, 168.3, 160.1, 159.7, 154.1, 155.1 mm. and average of each month were 3.44, 3.73, 4.32, 4.75, 4.98, 5.56, 5.47, 5.43, 5.34, 5.15, 5.14, 5.00 mm./day. The Pan Coefficient ($K_p = ET/E$) of each month were 0.69, 0.55, 0.56, 0.56, 0.74, 0.88, 0.92, 0.92, 1.07, 1.05, 0.86, 0.86 and the total average was 0.79.