

Influence of the Meteorological Factors on Rice Yield

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Summary

The influence of meteorological factors on rice yield for the varieties Taichung 65, Taichung 150, Hsinchu 50 in Hsinchu District for 1954–1980 was studied by step–wise multiple regression analysis. In the first crop, rice yield was significantly inversely affected by the temperature for the period from sowing to transplanting. In the second crop, rice yield was significantly affected by the sunny days for the period from sowing to autumn begins. In addition, it is revealed that the meteorological variables could explain 36–79% of the variation in yield of rice.

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