



Rice Production and Climate Change in Monsoon Asia: Problem in the 21st Century

Masatoshi Yoshino

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ABSTRACT Relationship between rice production and climate change was discussed taking an example of Monsoon Asia. In particular, Thailand, located at the central region of monsoons in the northern hemisphere and Indonesia, a region predominated wet and dry seasons corresponding monsoon circulations at the agricultural region, were selected as study regions. The analyzed years were mainly 1993 to 1998. The harvested area and yield of wet land paddy, dryland paddy, onset date of dry season and wet season were analyzed for every year. In the last part of the study, disaster types in the 21st century were pointed out: In the case that the disaster caused by computer trouble reaches to huge amounts of cost and reinsurance system does not work rightly, and the serious agricultural damage will happen in nations scale, it will result in a unaccountable problems from the stand point of food security. Parallel or independent changes in the two regions in Monsoon Asia are shown.

Author's Address: **Masatoshi Yoshino**, Professor Emeritus, University of Tsukuba, Tsukuba, 305-8571 Japan. *E-mail:* mtoshiyo@poplar.ocn.ne.jp

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