

Poster

**RELATIONSHIP BETWEEN CLIMATIC FACTORS, FLOWERING AND
FRUIT SET OF ASIAN PEAR (*PYRUS PYRIFOLIA*)**

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ABSTRACT

In Sri Lanka, UCIZ and UCWZ have favourable climates for bearing of pear fruits. Pear plant normally flower during January and February period and formation of fruit sets could be seen by the end of February and beginning of March and fruit could be observed by the end of March. Therefore, micro climatic conditions surrounding pear plant is very important to bear more number of fruits with good quality. Maximum and minimum temperature, rainfall and wind velocity are major climatic factors that affect fruit bearing of Pear. When considering fruit yield in 2008 and 2012, in both years plants received similar amount of chilling period before flowering. However, during flowering and fruiting stages in year 2008 and 2012, received 134.8 mm and 326.4 mm monthly rainfall respectively and that affected for drastic reduction of fruit yield. The monthly rainfall values were at flowering and fruiting stages in year 2012 had only 33 mm and 64.6 mm, respectively. Based on the study, the results revealed, available climatic conditions in UCIZ at flowering and fruiting stages, directly influences fruit yield.