

PERFORMANCE OF AZOLLA GROWN IN ACID SULFATE SOIL AS AFFECTED
BY LIGHT INTENSITIES

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ABSTRACT

The objective of this study was to find a suitable method for maintaining Azolla throughout the year in acid sulfate soil. Four light intensities of 100%, 75%, 50% and 25% to full sunlight were provided for culturing of three species of Azolla. Light intensity was reduced by using nylon net. The study was continued until completion of the season of 12 months. Result from this study showed that growth of Azolla under 100% and 75% light intensities was better than 50% and 25% when grown in Rainy season and Winter. In Summer the growth of Azolla under 75% and 50% was better than 100% and 25%. The performances of A. caroliniana 301 and A. microphylla 418 were better than A. pinnata. NE14