

**2-13. Host preference of pine moth, *Dendrolimus spectabilis* (Butler)
(Lepidoptera: Lasiocampidae)**

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This study was conducted to elucidate the host preference of pine moth, *Dendrolimus spectabilis* (Butler) (Lepidoptera: Lasiocampidae) on three different species of pine tree. First instar larvae had no preference between Pitch pine (*Pinus rigida*) and Japanese red pine (*P. densiflora*) for feeding when exposed on A1 needles which sprouted in the previous year. However, those larvae were more significantly attracted to Pitch pine than Japanese red pine and Korean pine (*P. koraiensis*) with 8.2, 5.8, and 3.4 needles eaten, respectively, when exposed to A0 needles which sprouted in the current year. In addition, over 4th instar larvae significantly attracted to the Pitch pine needles than Japanese red pine and Korean pine needles. However, mean numbers of needles fed by last instar larvae were 6.5, 5.3, and 1.5 for Pitch pine, Japanese red pine, and Korean pine needles, respectively. The mean number of pupae was 5.3 and 2.7 on Pitch pine and Japanese red pine, respectively in the field cage. Total numbers of eggs laid on Pitch pine twigs were higher than on Korean and Japanese red pine twigs.