

## Spectral measurement of bamboo grass for identification of damage area by deer

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These days, especially in Hokkaido, the damage of plants by deer is increasing. In Nakagawa research forest of Hokkaido University, from 1998 the number of deer which are found by persons and the number of damaged area is increasing. It is difficult to find the damage of plants by walk since usually such damage occurs in deep forest. Even if the damage was found it is often too late to recover. In order to establish the method of its finding by satellite remote sensing, we measured the spectrum of bamboo grass, main food of deer, under different conditions. In this presentation we introduce the preliminary results of these ground measurements.

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