HOKKAIDO UNIVERSITY

Title	Timing of forest fine root production advances with reduced snow cover in northern Japan : implications for climate-induced change in understory and overstory competition
Author(s)	Fukuzawa, Karibu; Tateno, Ryunosuke; Ugawa, Shin et al.
Citation	Oecologia, 196, 263-273 https://doi.org/10.1007/s00442-021-04914-x
Issue Date	2021-04-23
Doc URL	https://hdl.handle.net/2115/85066
Rights	This is a post-peer-review, pre-copyedit version of an article published in Oecologia. The final authenticated version is available online at: http://dx.doi.org/10.1007/s00442-021-04914-x
Type	journal article
File Information	Fukuzawa_etal_2021_Oecologia_ESM.pdf,

Hokkaido University Collection of Scholarly and Academic Papers : HUSCAP

Timing of forest fine root production advances with reduced snow cover in northern Japan: Implications for climate-induced change in understory and overstory competition

Karibu Fukuzawa*, Ryunosuke Tateno, Shin Ugawa, Tsunehiro Watanabe, Nanae Hosokawa, Shogo Imada, Hideaki Shibata

Oeologia, Online Resource

*Corresponding author: Karibu Fukuzawa, Nakagawa Experimental Forest, Field Science Center for Northern Biosphere, Hokkaido University, 483 Otoineppu, Otoineppu, Hokkaido, 098-2501, Japan. E-mail: caribu@fsc.hokudai.ac.jp; Tel: +81-1656-5-3216; Fax: +81-1656-5-3218

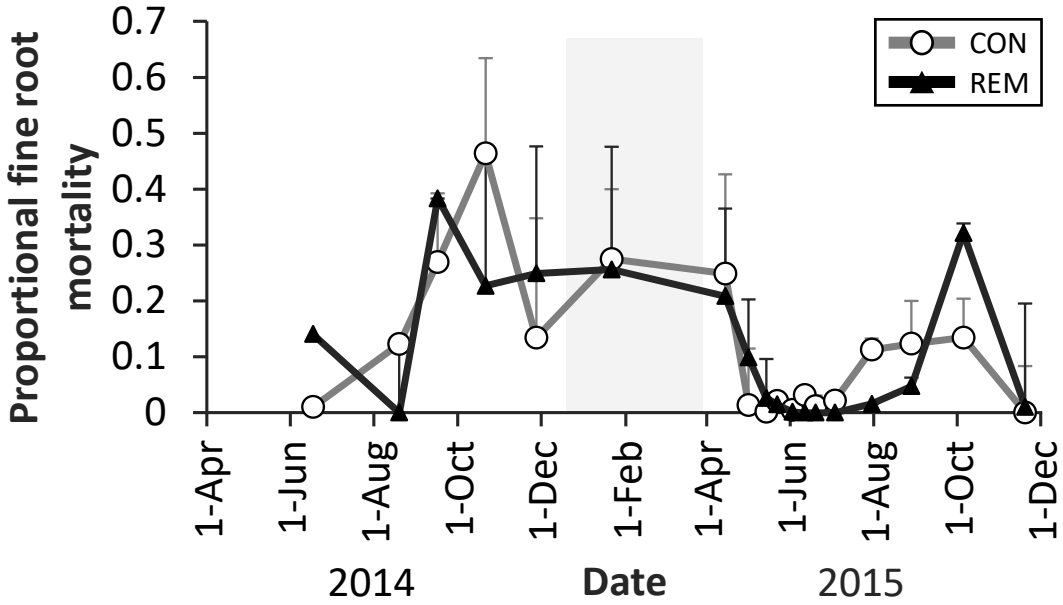

Fig. S1 Seasonal pattern of proportional fine root mortality. –○– Control (CON); −▲− snow removal (REM). Values are means with SEM (n = 4). There was no significant difference ($P < 0.05$) between treatments on any date. ■ Period of snow removal.