

Target-tailored forest damage inventory (TFDI) - Inventory of resin top disease in young pine forests 2007

SND-ID: 2023-127-1. **Version:** 1. **DOI:** <https://doi.org/10.5878/n1c5-vw84>

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Download data

NRS_torskate_Norrbotten_2007.csv (12.11 KB)

Associated documentation

Data_description_TFDI_resin_disease_2007.pdf (186.99 KB)

Databeskrivning_NRS_torskate_2007.pdf (137.3 KB)

Instruktion_Riksskogstaxeringen_ris_fin_2007.pdf (33.58 MB)

Instruktion_skadeinventering_2007.pdf (3.15 MB)

National_forest_inventory_fieldwork_instructions_eng_2021.pdf (4.9 MB)

NRS_rapport_2007.pdf (1.44 MB)

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2023-127-1-1.zip (~43.4 MB)

Citation

Wulff, S., & Roberge, C. (2024) Target-tailored forest damage inventory (TFDI) - Inventory of resin top disease in young pine forests 2007 (Version 1) [Data set]. Swedish University of Agricultural Sciences. Available at: <https://doi.org/10.5878/n1c5-vw84>

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Principal's reference number

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Description

Target-tailored forest damage inventories (TFDI) aiming at providing data for operational decision making at local level and linked to specific damage events, are undertaken by the Swedish University of Agricultural Sciences. TDFIs are developed to give a rapid response to requested information on specific damage outbreaks. The TDFIs are carried out in limited and concentrated samples, with flexible but robust methods and design.

During 2007, TFDI carried out a sample inventory of resin top disease (*Cronartium flaccidum*) in young forest in northern Sweden (county of Norrbotten coastal area). The purpose of the inventory was to estimate the area of damaged young forest, but also to highlight the geographical distribution and the appearance of the damage on different types of forest sites and in different types of regeneration.

The inventory was stratified by using data from the Swedish Forest Agency's moose grazing inventory (ÄBIN). In total 112 forest stands were inventoried. Within each stand, 8 circular sample plots with a radius of 3.5 m were inventoried. All trees in the sample plots were counted and all trees infected by resin top disease both dead and alive were noted.

Some assessed and used variables:

Tree species proportion

Number of trees

Number of infected alive trees

Number of infected dead trees

Altitude

Vegetation type

See the document "Data_description" for more detailed information. As additional documentation, field instructions for the inventories are also provided.

Data contains personal data

Yes

Type of personal data

Geographical coordinates (scrambled) which may point to privately owned land

Language

[Swedish](#)

Time period(s) investigated

2007-06 - 2007-08

Data format / data structure

[Numeric](#)

Species and taxons

[Cronartium flaccidum](#)

Data collection 1

- Mode of collection: Participant field observation
- Description of the mode of collection: Objective simple random sampling, which gives representative results
- Time period(s) for data collection: 2007-06 - 2007-08
- Data collector: Swedish University of Agricultural Sciences

Geographic spread

Geographic location: [Norrbotten Province](#)

Responsible department/unit

Department of Forest Resource Management

Contributor(s)

Swedish Forest Agency

Funding

- Funding agency: Swedish Forest Agency

Research area

[Forest science](#) (Standard för svensk indelning av forskningsämnen 2011)

Keywords

[Inventory of forest damage](#), [Forest decline](#), [Resin-top disease](#), [Rust fungi](#), [Tfdi](#), [Resin top disease](#)

Publications

Wulff, S., Hansson P. (2007). Riktad inventering av skador på skog. (Rapport). Institutionen för skoglig resurshushållning, Sveriges lantbruksuniversitet. <https://res.slu.se/id/publ/128838>

URN: [urn:nbn:se:slu:epsilon-p-128838](https://nbn-resolving.org/urn:nbn:se:slu:epsilon-p-128838)

Accessibility level

Access to data through SND

Data are freely accessible

Use of data

[Things to consider when using data shared through SND](#)

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Versions

Version 1. 2024-04-29

Homepage

[Nationell Riktad Skogsskadeinventering](#)

[Target-tailored Forest Damage Inventory](#)

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Related research data in SND's catalogue

[Target-Tailored Forest Damage Inventory \(TFDI\) - Inventory of resin top disease in young pine forests 2008](#)

[Target-tailored forest damage inventory \(TFDI\) - Inventory of resin top disease in young pine forests 2007](#)

[Target-tailored Forest Damage Inventory \(TFDI\) - Inventory of resin top disease in young pine forests 2012](#)

[Target Tailored Forest Damage Inventory \(TFDI\) - Damage by bark beetle in Västernorrland 2011](#)

[Target Tailored Forest Damage Inventory \(TFDI\) - Damage by bark beetles on Norway spruce in the county of Västernorrland 2012](#)

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