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# Tests with PPO® ForExt in Vekarajärvi, Karelia Brigade, Finland

**31st May 2022**

[The South Savo Rescue Department](#) and the [Karelian Brigade/The Finnish Defence Forces](#) organised a **test day for PPO® ForExt in Vekarajärvi**. During the day, the substance was first tested for a small fire site spreading by hand spray application and a more significant fire site with fire equipment developed in cooperation between the rescue service and the forest machine company Ponsse Oy ([Called Mörkö](#) in Finnish).

The test sessions were part of the Ministry of the Interior's Rescue Department's project "Development of an operating model for a special resource for wildfire firefighting operations". The tests will also be used in international cooperation (The Finn Rescue Arctic Ground Forest Firefighting Using Vehicles ([FI GFFF-V FI GFFF-V](#)) project aims to develop the extinguishing performance of wildfires locally, regionally, nationally as well as internationally.

## **Preliminary findings**

According to all the experts on-site, the user experience was excellent.

The mixture was easy to apply, not clogging even the tiny nozzles. The South Savo Rescue Department ordered ForExt to the emergency storage. Likewise, the Finnish Defense Forces are testing ForExt; they have needs in many different situations when it is necessary to prepare for the spread of fire in-field training, shooting training, etc.

## **Here you can see an example with pictures**

PPO ForExt was applied mixed with water to a limited area. The firefighters lighted a fire in a large pile of twigs. The fire subsided quickly and did not spread from the treated area.



*The mixture was applied to a confined area with a hand sprayer and heavier equipment.*



*The fire was lit in a dry, giant pile of twigs.*





*The fire did not spread from the treated area – it quickly subsided.*

## Firefighter experts on Twitter after the test day

[https://twitter.com/mika\\_siitonen](https://twitter.com/mika_siitonen)

Mika Siitonen, Fire Chief, Etelä-Savo Rescue Department, Mäntyharju fire station # GFFF-V.



Mika Siitonen @mika\_siitonen · May 31

Sateinen sää hieman häiritsi #yhteistyö @KarjalanPR ja @espelastus metsäsammutuskoneella tehtyä palonesto-/sammutuskemikaalitestää #metsäpalo. Lupaavalta vaikuttaa, tekniikka ja taktiikka vaativat vielä kehittelyä. #GFFF-V



0:02 366 views



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2



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**In English:** Rainy weather slightly disturbed @ karjalanPR and @escue fire-fighting Test with a forest fire extinguisher # forest fire. It seems very promising, but we will develop tactics with fire equipment ( Mörkö). # GFFF-V

Mika Siitonen @mika\_siitonen · May 31

@RikuHmlinen1 esitteli sammutusrepun sammutustehoa samalla aineella. Hyvä apu pienessä tilanteessa sekä tilanteen alussa / pitkän letkunvetomatkan päässä olevassa kohteessa. Antaa aikaa letkunvedolle.



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In English:

One firefighter presented the extinguishing effect of a fire-extinguishing backpack with the same substance. Good help in a small fire and at the beginning of a more significant situation / at a long distance. Gives time for hose pulling.