Caisse Phyto Forêt (Forest protection and provident fund) / Traitment against fomes

The Caisse Phyto Forêt, a South-West France forest protection and provident fund, was created at the initiative of the South-West France Forestry Syndicate in 2013 to provide concrete phytosanitary solutions for the Landes de Gascogne massif. The purpose of this association (law 1901) is to act in matters of uninsurable phytosanitary risks. The Caisse Phyto Forêt is working on the development of a method to prevent the contamination of stumps and healthy trees by the fomes, a root fungus that causes significant damage to conifers by reducing the quality of the wood and causing mortality in stands.

Currently, the dosage of the blue dye recommended by the manufacturer does not allow, in certain cases, to sufficiently color the product and to verify the correct application of the product. It would be necessary to multiply by 3 or 4 the dose of dye necessary, meaning an additional cost for the operator and thus the forest owner.
Operators and contractors must undergo training to obtain a plant protection product certificate (CERTI-PHYTO).
It is now necessary to communicate more widely with the foresters of the massif in order to encourage them to treat the strains and stem the spread of contaminations.

In order to avoid contamination of the stands, the treatment against fomes is applied to each cut of wood (depressing, thinning, and clearcutting). The product to be used is a powder to be diluted in water containing spores and mycelia of a fungus endemic to the massif, the Phlebiopsis gigantea natural strain VRA-1835, with an antagonistic action to the development of the resinous fomes. The only one approved in France is the Rotstop, manufactured and sold by AROLE. As the mixture is colourless, a blue dye should be added to check the correct spray on the stumps.

Application must be made within 3 hours after cutting, either by manual painting or mechanical spraying by adapting systems at the harvester head: using a guide spraying the product through holes distributed along the guide, or with a nozzle that sprays the product in a single outlet. The solution is then spread over the stumps when the trees are cut.

Loggers need to equip their machines with one of two systems to automate processing.

Treatment can take place throughout the year and to be effective, 80% of stumps must be treated.

PODROBNOSTI

IZVOR LESA

Gozd

TIP LESA

Okrogli les

VRSTA OBRAVNAVANEGA LESA

Stemwood

VPLIV NA OKOLJE IN BIODIVERZITETO

Protection of healthy trees contamination by fomes with registered products

VPLIV NA PRIHODKE

NA

POTENCIAL IZKORIŠČANJA

--

VOZLIŠČE

--

GOSPODARSKI VPLIV

Implies an additional cost for forest owners

POTREBNO SPECIFIČNO ZNANJE

POTENCIAL ZA MOBILIZACIJO

NA

TRAJNOST - VREDNOST

--

ENOSTAVNOST IZVEDBE

Medium: need to adapt harvesting machines with new product dispersion systems

ENOSTAVNOST IZVEDBE - OCENJEVANJE

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KLJUČNI PREDPOGOJI

NA

VRSTA DOGODKA, NA KATEREM JE BIL PREDSTAVLJEN TA BPI

--

VPLIV NA DELOVNA MESTA

NA

STROŠKI IZVEDBE (EURO - €)

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VEč PODROBNOSTI

IZZIV	DOMENA	TIP REŠITVE
--	Gojenje gozdov, gospodarjenje z gozdovi, odpornost, ekosistemske storitve Motnje, tveganja, odziv na naravne nesreče	--

KLJUčNE BESEDE	DIGITALNE REŠITVE	INOVACIJA
--	No	Ne

IZVORNA DRžAVA	OBSEG UPORABE	ZAčETNO IN KONčNO LETO
Francija	Regionalni	2013 -

KONTAKTN PODATKI

LASTNIK OZ. AVTOR

POROčEVALEC

contact@maisondelaforet.fr

REFERENCES AND RESOURCES

SPLETNA STRAN

http://www.maisondelaforet-sudouest.com/tag/caisse-phyto-foret/

SPLETNA STRAN PROJEKTA

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REFERENCA PROJEKTA

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VIRI

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PROJEKT, V OKVIRU KATEREGA SO BILI ZBRANI OSNOVNI PODATKI

Rosewood

DATUM OBJAVE

18 Sep 2019

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