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.

DETALJER

OPPRINNELSE FOR TRE

Skog

TYPE TRE

Tre fra rundtvirke

TYPE TRE INVOLVERT

Stemwood

PåVIRKNING På MILJø OG BIOLOGISK MANGFOLD

Protection of healthy trees contamination by fomes with registered products

INNTEKTSEFFEKT

NA

UTNYTTELSESPOTENSIAL

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HUB

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ØKONOMISK PåVIRKNING

Implies an additional cost for forest owners

SPESIFIKKE KUNNSKAPSBEHOV

MOBILISERINGSPOTENSIAL

NA

BæREKRAFTPOTENSIAL - VERDI

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ENKEL IMPLEMENTERING

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

ENKEL IMPLEMENTERING - EVALUERING

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VIKTIGE FORUTSETNINGER

NA

TYPE BEGIVENHET DER DENNE BPI HAR BLITT OMTALT

--

EFFEKT På ARBEIDSPLASSER

NA

KOSTNADER MED IMPLEMENTERING (EURO - €)

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MER INFORMASJON

UTFORDRING ADRESSERT

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DOMENE

Skogforvaltning, skogskjøtsel, økosystemtjenester

Skogskader, risiko, katastrofeberedskap

TYPE LØSNING

--

NØKKELORD

--

DIGITAL LØSNING

Nei

INNOVASJON

Nei

OPPRINELSESLAND

Frankrike

POTENSIALE

Regional/deler av landet

START OG SLUTT åR

2013 -

KONTAKT INFORMASJON

EIER ELLER FORFATTER

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RAPPORTØR

REFERENCES AND RESOURCES

HJEMMESIDE (HOVEDSIDE)

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

PROSJEKTETS HJEMMESIDE

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REFERANSE TIL PROSJEKT

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RESSURSER

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PROSJEKT SOM DETTE FAKTAARKET ER OPPRETTET UNDER

Rosewood

INNLEGGSDATO

18 sep 2019

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