

ELIMINAE machine



Mechanical sanitation

- Fall = unpredictable leaf fall
- **Focus on eliminating winter prunings**

European showcase: leaf litter removal



Remove residues?

- Volume:
 - Time spent emptying bin
- Organic matter
 - « lost » = nonsense
 - Return after composting?



Simple flail?

Advantages

Low cost...



Disadvantages

Limited efficacy

Can create muddy conditions

Reach leaf litter on row



Bill MacHardy

Eliminae (version 1.0 en 2009)

Concept Richard Husereau



Eliminae (version 2.0 en 2010)



Concept Richard Husereau

Spring 2010 & 2011

- Leaf litter density
 - *Eliminae* vs flail
 - With or without Spring applied urea
- Impact on scab
 - Spore ejection
 - Scab on potted trees in plots
 - Scab in large plots



Leaf litter density

- 4 sites x Replications
- 25 plots
- 8 transects @ 25cm
- GLMM model random effects
 - Sites, equipment, obs
- Control > Flail > *Eliminae*



Proposed sanitation

- Every year? **YES!**
- Insurance policy
- Do you wash your hands?
- Flail...
- *Eliminae*
- *Eliminae* + urea

Eliminae™

- Canadian trademark

