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
• 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
• Canadian trademark