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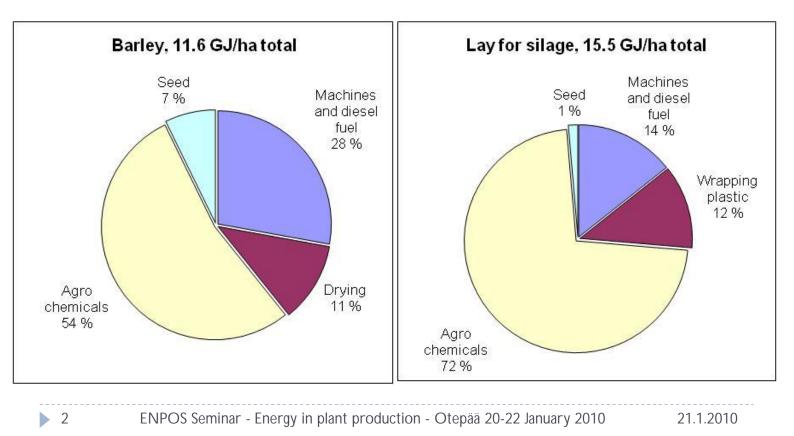


Energy Positive Farm - ENPOS

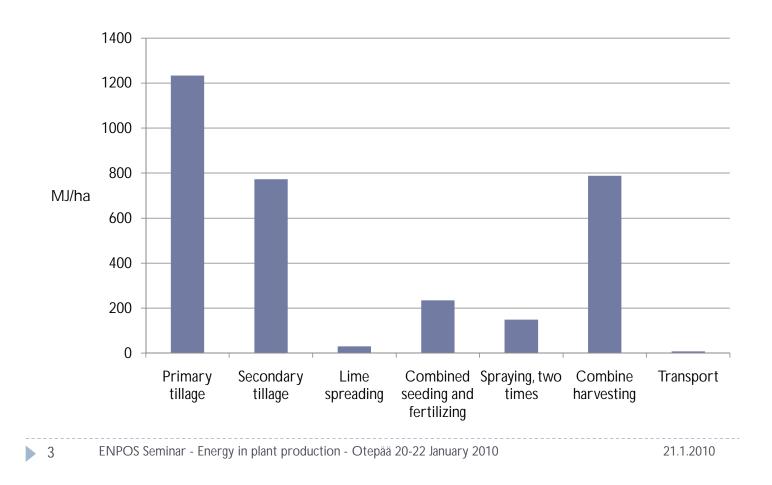
Energy saving strategies – field work

ENPOS Seminar - Energy use in plant production - Otepää 20 - 22 January 2010

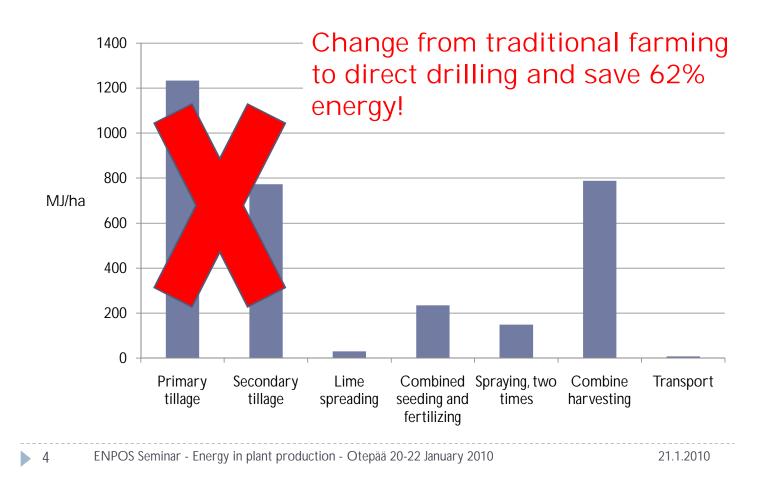
Facts to keep in mind!



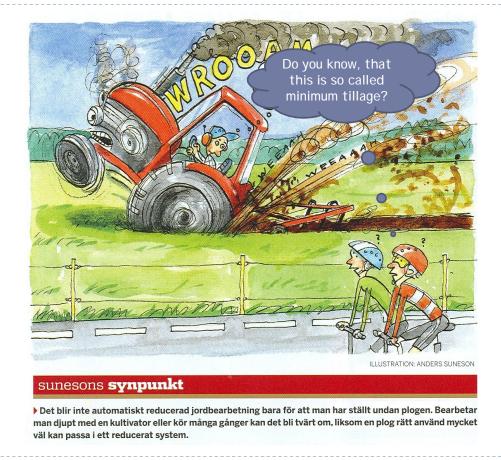
Energy consumption for field work in barley cultivation



Proposal to energy saving strategy



From traditional tillage to minimum or notillage

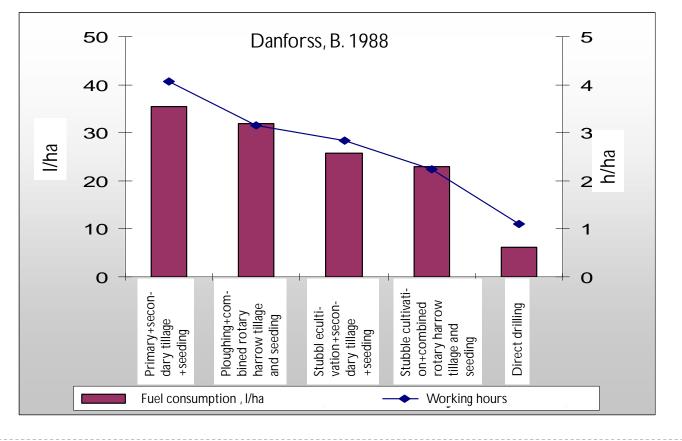


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Fuel consumption and work requirement of different tillage and seeding combinations



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Finnish experiences from direct drilling

- Over ten years experience
- Saves time
- Saves energy
- Can be used on all soil types
- Add seed rate 10% compared to traditional
- Soil adapts to zero tillage in a few years
- Some problems with weeds, but can be solved with correct plant protection strategy
- Yield level can drop in the first years but in a long yield level can even increase

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This material has been produced in ENPOS project. ENPOS is acronym for *Energy Positive Farm*.

The project partners are

- University of Helsinki, department of Agricultural Sciences Agrotechnology
- MTT Agrifood Research Finland Agricultural Engineering
- Estonian University of Life Sciences

Project home page is at <u>http://enpos.weebly.com/</u>

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