

How can automation contribute to better dung pat disappearance in pastures?



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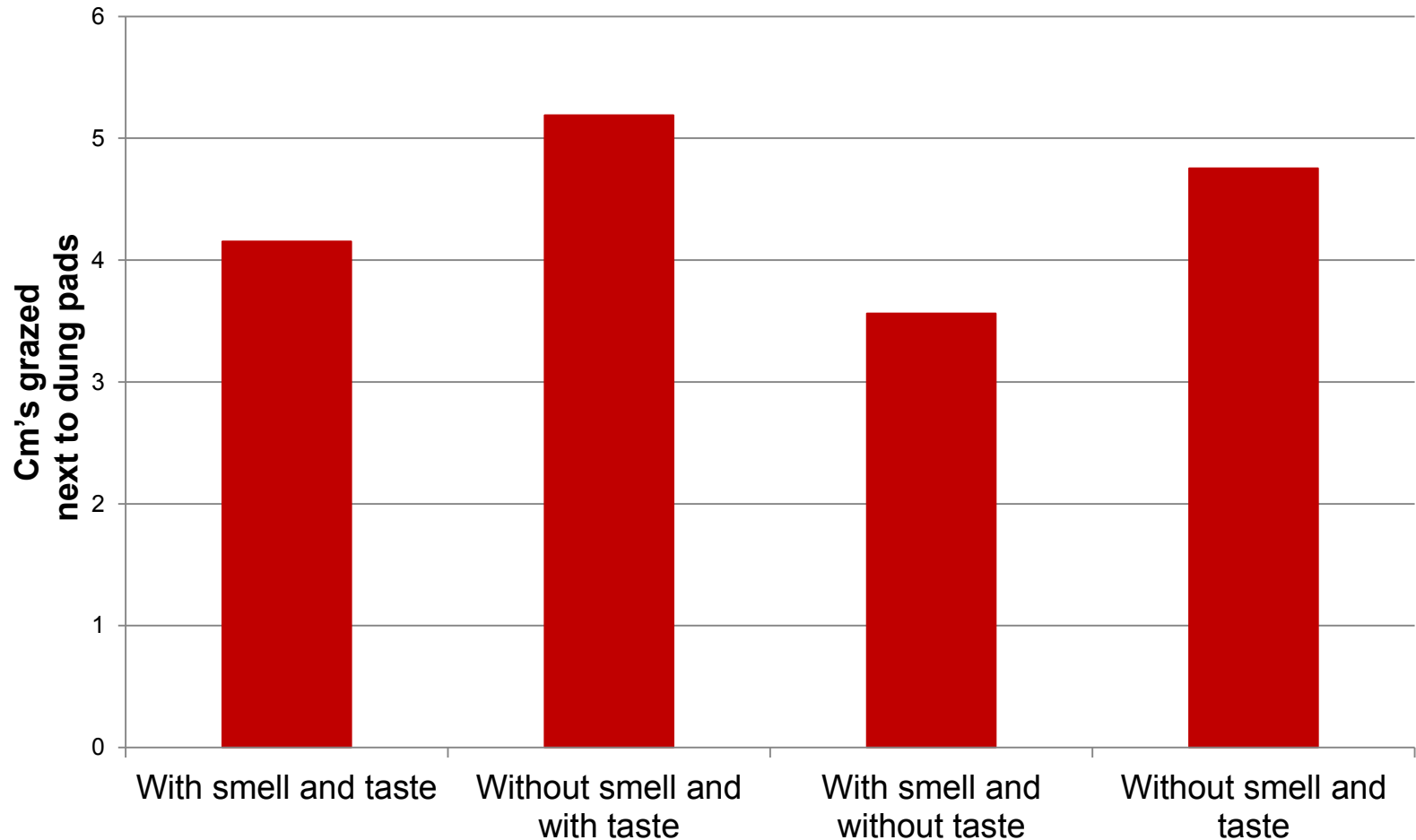


Objectives

- Improve dung pads disappearance
- Improve herbage utilisation around dung pads



Line of research: smell or taste



Line of research: Natural disappearance

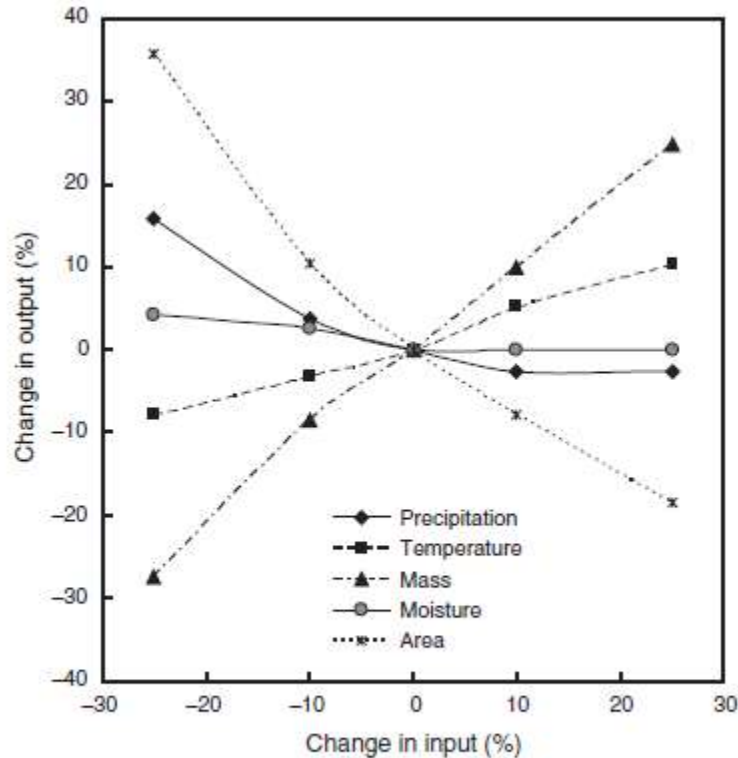
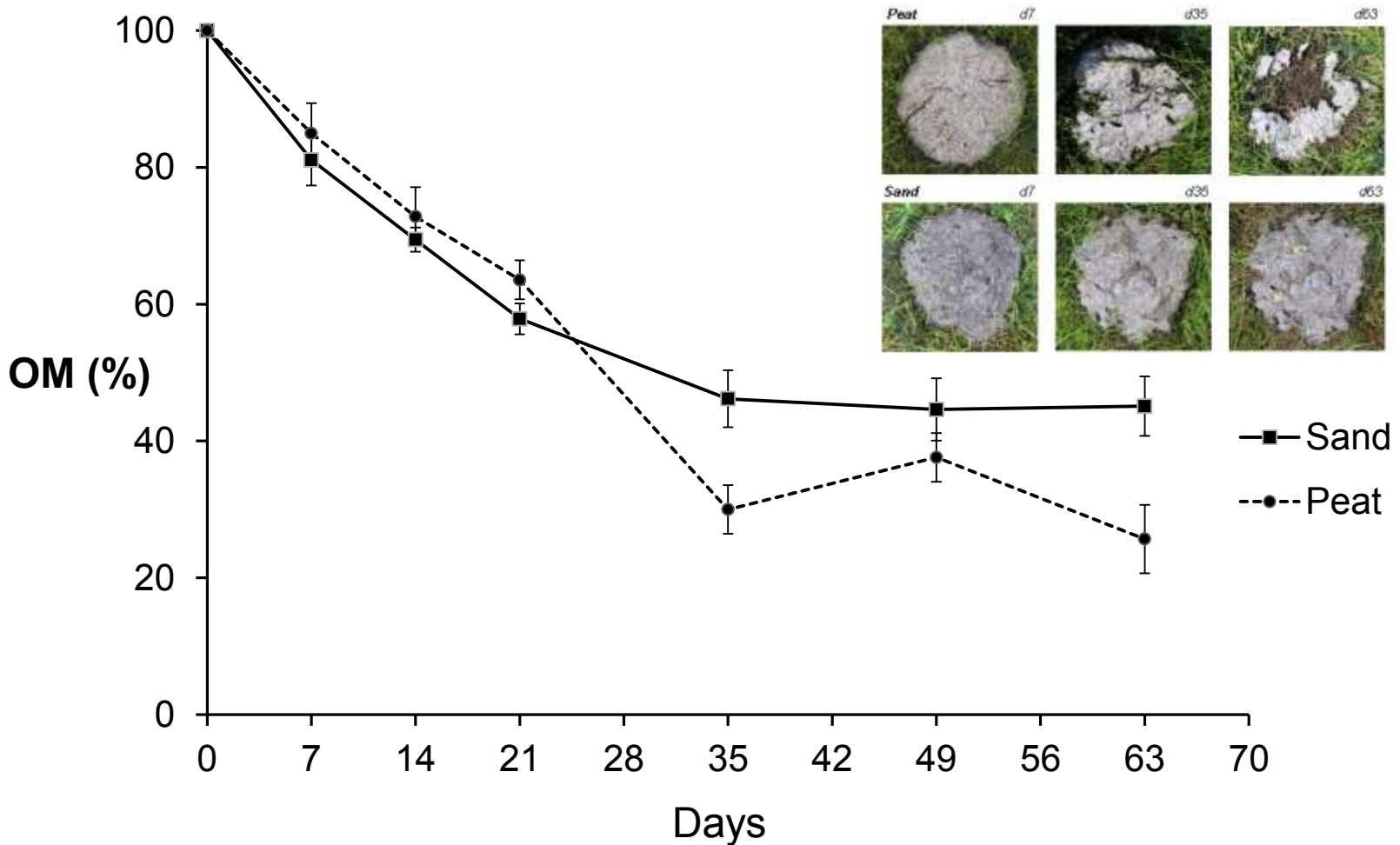


Fig. 4. Results of a model sensitivity analysis showing the effect of changes in model variables on the rate of dung disappearance (model output).

Test on 5 sand and 5 peat farms with same dung



Line of research: With or without harrowing and water



Results harrowing with or without water

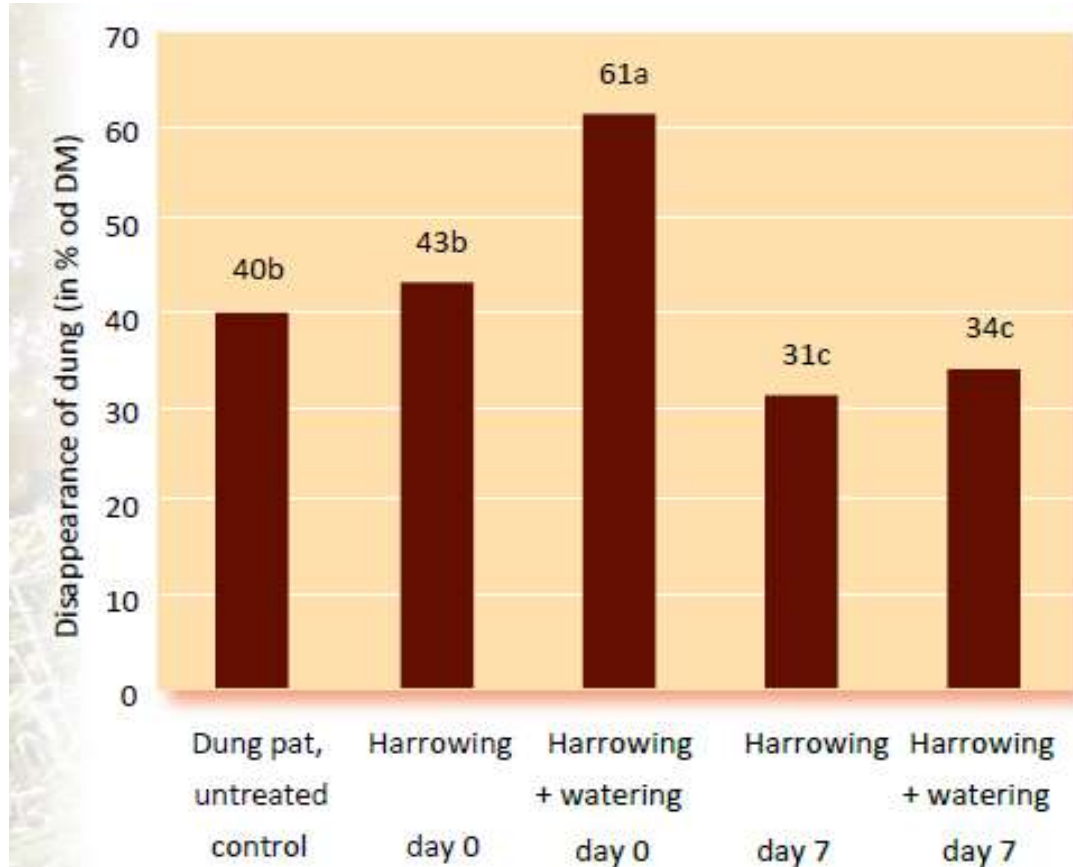


Figure 1. Disappearance of dung (in % of DM) 21 days after placement.

Next step increasing effect water and reducing water quantity

	Bar	m ³ /ha
1. Low pressure	68	18
2. High pressure	137	12
3. Watering can (ref)		100

First results



1. Low pressure

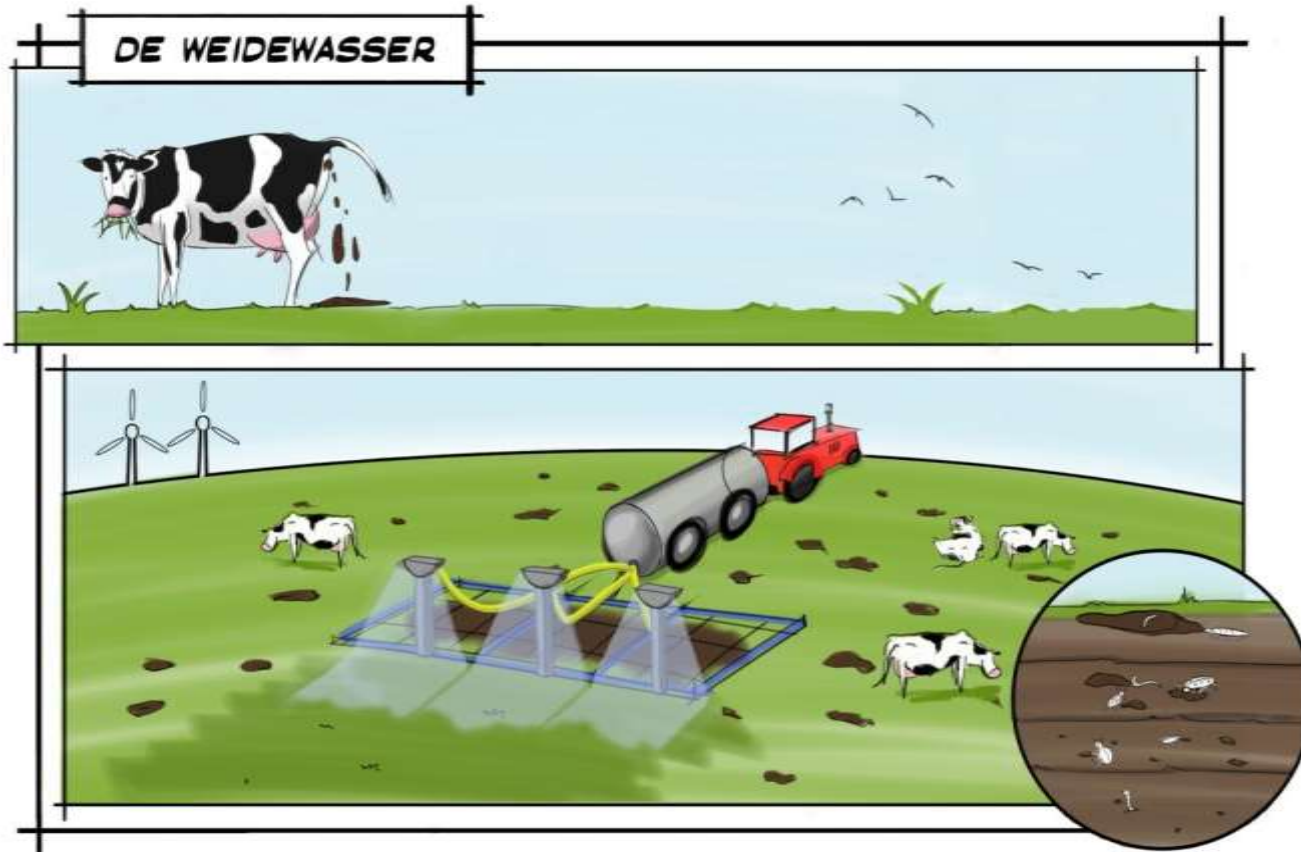


2. High pressure



3. Watering can

Next step sensors for recognizing dung pads!?



Other ideas?



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