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

Cm's grazed next to dung pads

- With smell and taste
- Without smell and with taste
- With smell and without taste
- Without smell and taste
Line of research: Natural disappearance

Vadas et al., 2011
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

<table>
<thead>
<tr>
<th></th>
<th>Bar</th>
<th>m³/ha</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Low pressure</td>
<td>68</td>
<td>18</td>
</tr>
<tr>
<td>2. High pressure</td>
<td>137</td>
<td>12</td>
</tr>
<tr>
<td>3. Watering can (ref)</td>
<td>100</td>
<td></td>
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</tbody>
</table>
First results

1. Low pressure

2. High pressure

3. Watering can
Next step sensors for recognizing dung pads!?
Other ideas?

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