



EIPWALES

Cydweithio er ffyniant gwledig
Collaborating for rural success



Electrophysical dock control

Dock infestation can be a major problem in grassland systems. Docks reduce grass yields and utilisation, and have only 65% of the feed value of grass. The use of herbicides can have a negative effect on clovers in pastures and further implications for the wider catchment ecosystem if used incorrectly. A reduction in herbicide usage in grassland would be of benefit in terms of water and soil quality, as well as preserving biodiversity.

Project outline

Look at the effectiveness and financial viability of using a 'Zasso Electroherb' machine to control docks on two dairy farms in South Wales over a two-year period. Electrophysical destruction offers the potential benefits of controlling docks while reducing the need for herbicides. The machine uses high-energy electrons to apply an electric current through the leaves of the docks causing the death of the plant tissue. Comparisons will be made between the effectiveness and financial viability of the Zasso Electroherb treatment against the use of herbicides in a high-input dairy situation.



ADAS expertise

ADAS was the project facilitator providing help and advice to project participants by:

- preparing application forms
- procurement
- overseeing delivery to time and budget
- report writing
- providing technical advice through its experienced consultants





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Rheoli Dail Tafol yn Electroffisegol

Mae dail tafol yn broblem fawr mewn systemau glaswelltir gan leihau'r cnwd a'r defnydd ohonno yn ogystal a chael dim ond 65% o werth porthianol glaswellt. Gall defnyddio chwynladdwyr i reoli dail tafol gael effaith negyddol ar feillion mewn porfa ac oblygiadau pellach ar yr ecosystem ehangach os cânt eu defnyddio yn anghywir. Byddai gostyngiad yn y defnydd o chwynladdwyr mewn glaswelltir o fantais o ran ansawdd dŵr a phridd, a chynnal bioamrywiaeth.

Amlinelliad o'r prosiect

Edrych ar effeithiolrwydd a hyfywedd ariannol defnyddio peiriant 'Zasso Electroherb' i reoli dail tafol ar ddwy fferm odro yn Ne Cymru. Mae eu dinistrio trwy driniaeth electroffisegol yn cynnig y manteision posibl o reoli dail tafol gan leihau'r angen am chwynladdwyr. Mae'r peiriant yn defnyddio electrodau llawn egni i weithredu cerrynt trydanol trwy ddail y dail tafol gan achosi i'r meinwe i gyd farw. Fe fydd effeithlonrwydd a hyfywedd ariannol y driniaeth Zasso Electroherb yn cael ei gymharu â defnyddio chwynladdwyr mewn system laeth mewnbwn uchel.



Arbenigedd ADAS

ADAS oedd hwylusydd y prosiect yn darparu cymorth a chyngor i gyfranogwyr y prosiect drwy:

- baratoi ffurflenni
- caffael
- oruchwylio cyllideb a threfn amser
- ysgrifennu adroddiadau
- ddarparu cyngor technegol trwy ei hymgyngorwyr profiadol

