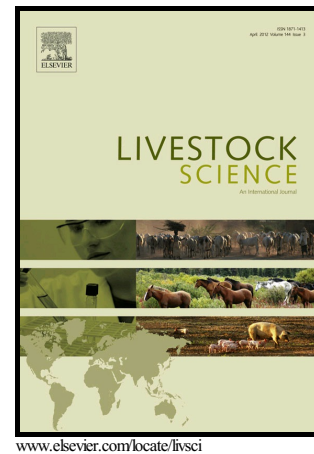


Author's Accepted Manuscript

Impacts of using a precision livestock system targeted approach in mountain sheep flocks

Claire Morgan-Davies, Nicola Lambe, Harriet Wishart, Tony Waterhouse, Fiona Kenyon, Dave McBean, Davy McCracken



PII: S1871-1413(17)30367-0
DOI: <https://doi.org/10.1016/j.livsci.2017.12.002>
Reference: LIVSCI3364

To appear in: *Livestock Science*

Received date: 23 May 2017
Revised date: 29 November 2017
Accepted date: 2 December 2017

Cite this article as: Claire Morgan-Davies, Nicola Lambe, Harriet Wishart, Tony Waterhouse, Fiona Kenyon, Dave McBean and Davy McCracken, Impacts of using a precision livestock system targeted approach in mountain sheep flocks, *Livestock Science*, <https://doi.org/10.1016/j.livsci.2017.12.002>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Impacts of using a precision livestock system targeted approach in mountain sheep flocks

MORGAN-DAVIES, Claire^{1*}; LAMBE, Nicola¹; WISHART, Harriet¹; WATERHOUSE,
Tony¹; KENYON, Fiona²; MCBEAN, Dave²; MCCRACKEN, Davy¹

¹Scotland's Rural College, Hill & Mountain Research Centre, Kirkton, Crianlarich, FK20
8RU, Scotland, UK

²Moredun Research Institute, Pentlands Science Park, Bush Loan, Penicuik,
Midlothian, Scotland, UK

* Corresponding author

Abstract

Although mountain sheep systems suffer from climatic and environmental handicaps that constrain productivity and economic viability, they have an important economic role, maintain habitats and species of high nature conservation value and support the provision of a range of ecosystem services of benefit to society. Using Precision Livestock Farming (PLF) in extensive mountain sheep systems could bring benefits for animal performance, economical performance and labour. This paper presents results from a 3 year experiment where PLF principles were implemented on an extensive mountain sheep farm and an assessment made of whether or not such an approach could benefit more marginal sheep systems. A 900 ewe flock (600 Scottish Blackface ewes, 300 Lleyn ewes) was divided equally into two separate systems, one where the flock was managed conventionally (CON) at group level, and

Download English Version:

<https://daneshyari.com/en/article/8502055>

Download Persian Version:

<https://daneshyari.com/article/8502055>

[Daneshyari.com](https://daneshyari.com)