

*Short communication: a survey of grass-clover ley management and creation of a near infra-red reflectance spectroscopy equation to predict clover concentration*

Article

Supplemental Material

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**Supplementary Table 1** A list of questions that were asked within a questionnaire given to farmers that offered a grass-clover silage sample for inclusion in a dataset to test and improve Near Infra-red Reflectance Spectroscopy equations in the UK. Questions related to agronomy and ensiling practices used on the sward from which the sample originated.

| Question number | Question   | Number of respondents |
|-----------------|--|-----------------------|
| 1               | Establishment date   | 59                    |
| 2               | Establishment method   | 59                    |
| 3               | Age of pasture   | 61                    |
| 4               | Grass varieties sown (and rate)                                | 49(44)                |
| 5               | Clover varieties sown (and rate)                               | 46(43)                |
| 6               | Applications prior to cutting (including FYM/slurry/chemicals) | 45                    |
| 7               | Cutting date   | 62                    |
| 8               | Silage cut (i.e. 1 <sup>st</sup> , 2 <sup>nd</sup> )           | 59                    |
| 9               | Estimated clover percentage in sward                           | 55                    |
| 10              | Weed problems  | 48                    |
| 11              | Time wilted (in hours)   | 60                    |
| 12              | Chop length (in cm, where applicable)                          | 33                    |
| 13              | Clamp type (where applicable)                                  | 34                    |
| 14              | Bale wrap layers (where applicable)                            | 43                    |
| 15              | Dry matter of silage   | 26                    |
| 16              | Additives used   | 30                    |
| 17              | Silage analysis (if known)                                     |                       |
| 17(a)           | Metabolisable energy   | 18                    |
| 17(b)           | Protein  | 19                    |
| 17(c)           | Fibre  | 15                    |
| 17(d)           | Ash  | 17                    |
| 17(e)           | D value  | 17                    |