

# Livestock Feeding Statistics

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Feed: Polyphyte Graminacea Hay<sup>note</sup> **with CP from 11 to 14%**

Note: Origin: Italy; results from 2018 to February 2025.

N° of samples used in statistics: **717** **selection as per CP indicated**

Values expressed on: **Dry matter**

| Standard NIR Profile | Media       | Standard Deviation (+/-) | Range (68% of samples) |                |
|----------------------|-------------|--------------------------|------------------------|----------------|
|                      |             |                          | media - st.dev         | media + st.dev |
| Moisture %           | 10,0        | 1,0                      | 8,9                    | 11,0           |
| <b>CP %</b>          | <b>12,7</b> | <b>0,9</b>               | 11,7                   | 13,6           |
| EE (Fat) %           | 2,05        | 0,41                     | 1,64                   | 2,46           |
| CF %                 | 31,9        | 3,2                      | 28,7                   | 35,1           |
| Ash %                | 9,6         | 1,7                      | 7,9                    | 11,2           |
| aNDF %               | 59,9        | 4,6                      | 55,3                   | 64,4           |
| aNDFom %             | 57,5        | 4,7                      | 52,8                   | 62,3           |
| ADF %                | 38,8        | 3,9                      | 35,0                   | 42,7           |
| ADL %                | 5,8         | 1,4                      | 4,4                    | 7,2            |
| Protein Sol. %CP     | 32,6        | 4,6                      | 28,0                   | 37,3           |
| Fraction B1          | 28,4        | 7,4                      | 20,9                   | 35,8           |
| Fraction B2          | 33,7        | 7,9                      | 25,8                   | 41,6           |
| AD ICP %CP           | 7,5         | 2,2                      | 5,3                    | 9,7            |
| ND ICP %CP           | 40,3        | 7,8                      | 32,5                   | 48,2           |
| Sugars %             | 7,0         | 2,0                      | 5,0                    | 9,0            |
| NFC %                | 29,3        | 4,5                      | 24,8                   | 33,8           |
| RFV                  | 95          | 14                       | 81                     | 109            |
| Milk forage Unit/kg  | 0,67        | 0,08                     | 0,59                   | 0,76           |

N° of samples used in **XRF** statistics: **434** **selection as per CP indicated**

Values expressed on: **Dry matter**

| Standard XRF Profile       | Media | Standard Deviation (+/-) | Range (68% of samples) |                |
|----------------------------|-------|--------------------------|------------------------|----------------|
|                            |       |                          | media - st.dev         | media + st.dev |
| Ca %                       | 0,83  | 0,29                     | 0,54                   | 1,12           |
| Cl %                       | 0,70  | 0,39                     | 0,31                   | 1,09           |
| K %                        | 2,19  | 0,61                     | 1,59                   | 2,80           |
| Mg %                       | 0,23  | 0,11                     | 0,12                   | 0,34           |
| Na %                       | 0,12  | 0,13                     | -                      | 0,25           |
| S %                        | 0,23  | 0,06                     | 0,17                   | 0,29           |
| P %                        | 0,27  | 0,07                     | 0,20                   | 0,34           |
| Fe ppm                     | 416   | 535                      | -                      | 951            |
| Cu ppm                     | 8,1   | 9,0                      | -                      | 17,1           |
| Zn ppm                     | 38    | 14                       | 24                     | 52             |
| Mn ppm                     | 53    | 39                       | 14                     | 93             |
| Si %                       | 2,44  | 1,24                     | 1,20                   | 3,68           |
| DCAD -Ender 1971 m.eq/100g | 27,2  | 15,2                     | 12,0                   | 42,4           |

**Note:** This includes hay from meadow grasses, mixed grasses, first-cut grasses and mixtures. Single-variety grasses are excluded.

Technique: **NIR** spectroscopy (calibration curves developed by Laboratorio Analisi Zootecniche).

Technique: **XRF** X-ray fluorescence (calibration curves developed by Laboratorio Analisi Zootecniche).