

Livestock Feeding Statistics

LABORATORIO DI ANALISI ZOOTECNICHE V.le Marconi, 9 46023 GONZAGA (MN- ITALY)
info@lazoovet.it | www.lazoovet.it

Feed: Polyphyte grass silage* with DM <35% (Moisture>65%)

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

N° of samples used in statistics: 161

selected as per the indicated Dry Matter.

Values expressed on: Dry matter

Standard NIR Profile	Media	Standard Deviation (+/-)	Range (68% of samples)	
			media - st.dev	media + st.dev
Moisture %	72,0	4,6	67,4	76,5
CP %	10,9	2,5	8,5	13,4
Protein Sol. %CP	62,8	9,7	53,1	72,6
EE (Fat) %	2,45	0,53	1,93	2,98
CF %	33,3	4,4	28,8	37,7
Ash %	8,9	2,8	6,1	11,8
aNDF %	60,8	6,3	54,5	67,2
aNDFom %	57,6	7,3	50,3	64,8
ADF %	39,4	4,9	34,5	44,2
ADL %	5,1	1,3	3,9	6,4
Starch %	2,8	1,3	1,5	4,1
NFC %	20,1	5,4	14,7	25,5
Sugars %	3,38	1,46	1,92	4,83
Ammonia ppm	2090	848	1242	2938
Ammonia %CP	9,90	3,87	6,03	13,77
Lactic ac. %	5,71	1,86	3,85	7,58
Acetic ac. %	0,84	0,29	0,54	1,13
Butyric ac. %	0,30	0,13	0,17	0,43
pH	4,40	0,46	3,94	4,86
Milk forage Unit/kg	0,67	0,13	0,54	0,80

Note to **Starch**: the average value found concerns 6% of the samples, the remaining 94% is less than 2.

N° of samples used in XRF statistics: 191

all samples in statistics

Values expressed on: Dry matter

Standard XRF Profile	Media	Standard Deviation (+/-)	Range (68% of samples)	
			media - st.dev	media + st.dev
Ca %	0,71	0,32	0,39	1,03
Cl %	0,69	0,37	0,32	1,07
K %	2,39	0,69	1,70	3,08
Mg %	0,26	0,14	0,12	0,39
Na %	0,15	0,15	0,00	0,30
S %	0,22	0,07	0,14	0,29
P %	0,29	0,07	0,22	0,35
Fe ppm	719	886	-	1605
Cu ppm	7,5	2,5	4,9	10,0
Zn ppm	40	15	25	55
Mn ppm	78	56	22	135
Si %	2,29	1,22	1,08	3,51
DCAD -Ender 1971 m.eq/100g	34,8	15,3	19,5	50,1

* these include grass silage from meadows; 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).

Sample preparation: oven-dried at 65°C and ground to 0.5 mm