

Livestock Feeding Statistics

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Feed: Soy silage with DM <35% (Moisture>65%)

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

N° of samples used in statistics: 64 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 %	71,0	3,4	67,6	74,4
CP %	18,2	2,8	15,3	21,0
Protein Sol. %CP	47,4	12,2	35,2	59,6
EE (Fat) %	6,15	1,74	4,41	7,89
CF %	29,9	3,3	26,6	33,1
Ash %	9,8	2,7	7,1	12,6
aNDF %	44,8	5,9	38,9	50,7
aNDFom %	42,9	5,5	37,5	48,4
ADF %	37,4	4,0	33,4	41,3
ADL %	6,5	1,2	5,3	7,7
Starch %	2,4	2,9	-	5,3
NFC %	22,9	6,1	16,8	29,0
Sugars %	1,39	2,18	-	3,57
Ammonia ppm	3776	1015	2761	4792
Ammonia %CP	10,59	2,80	7,79	13,39
Lactic ac. %	4,05	1,23	2,82	5,28
Acetic ac. %	0,77	0,21	0,55	0,98
Butyric ac. %	0,42	0,18	0,24	0,60
pH	5,11	0,39	4,72	5,50
Milk forage Unit/kg	0,85	0,10	0,75	0,96

Note to Starch: the average value found concerns 23% of the samples, the remaining 77% is less than 2.

N° of samples used in XRF statistics:

Values expressed on: Dry matter

Standard XRF Profile	Media	Standard Deviation (+/-)	Range (68% of samples)	
			media - st.dev	media + st.dev
Ca %				
Cl %				
K %				
Mg %				
Na %				
S %				
P %				
Fe ppm				
Cu ppm				
Zn ppm				
Mn ppm				
Si %				
DCAD -Ender 1971 m.eq/100g				

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