

Grass Silage Analysis



Advisory Contact
Mike Clarke Higher Polmorla St Wenn, Bodmin, PL30 5PF
Customer Code: C401

Farm
[REDACTED]
Originator Reference Number:

Sample Details					
Lab Reference:	4208406	Description:	CLAMP SILAGE		Date Cut:
Sample Type:	Silage - Grass Clamp	Cut Number:	Additive:	Sample Received:	04/12/2025

Energy	Analysis	Low	Standard	High
D Value	%	66	62	68
ME	(MJ/kg)	10.8	10.0	13.0
FME	(MJ/kg)	7.9	6.0	10.0
NDF	(g/kg)	551	193	880
Ash	(g/kg)	83	53	180
Oil-A	(g/kg)	34	21	73
Dry Matter Solubility (S)		0.22	0.13	0.49
(a)		0.32	0.13	0.54
(b)		0.51	0.12	0.67
(c)	(per hour)	0.036	0.017	0.078

Intake Characteristics	Analysis	Low	Standard	High
Dry Matter	(g/kg)	261	155	591
Potential Intake (FiM)	(g/kgW 0.75)	90	70	130
pH		4.3	3.7	6.0
Ammonia N	(% of total N)	6.3	11.0	32.0
Pot. Acid Loading (FiM)	(meq/kg)	700	750	1200

Protein	Analysis	Low	Standard	High
Crude Protein	(g/kg)	141	69	280
ERDP	(g/kg)	110	59	219
DUP	(g/kg)	20.2	21.8	66.4
Nitrogen Solubility (N)		0.58	0.17	0.84
(a)		0.68	0.12	0.87
(b)		0.23	0.13	0.47
(c)	(per hour)	0.079	0.062	0.202

Fermentation Characteristics	Analysis	Low	Standard	High
Sugar	(g/kg)	30	80	245
Acetic Acid	(g/kg)	37.2	28.0	85.0
n Butyric Acid	(g/kg)	9.2	20.0	60.0
Tot. Ferm. Acids (FiM)	(g/kg)	91.5	85.0	257.0
Lactic Acid	(g/kg)	60.9	50.0	150.0

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Summary

Energy	Analysis		Comments
Dry Matter	%	26.1	Standard
ME	(MJ/kg)	10.8	Standard
Crude Protein	%	14.1	Standard
Ammonia N	(% of total N)	6.3	Low
pH		4.3	Standard
Potential Intake (FiM)	(g/kgW ^{0.75})	90	Standard