

Maize Silage Analysis



Farm

Originator Reference Number:

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

Sample Details				
Lab Reference:	4208454	Description:	MAIZE	Date Cut:
Sample Type:	Silage - Maize	Cut Number:	Additive:	Sample Received: 04/12/2025

Energy		Analysis	Low	Standard	High
D Value	%	62	62	68	71
ME	(MJ/kg)	10.1	10.0	11.0	12.0
FME	(MJ/kg)	8.5	7.0	8.0	10.0
NDF	(g/kg)	405	193	681	880
Ash	(g/kg)	21	14	56	70
Oil-A	(g/kg)	29	21	44	65
Starch	(g/kg)	284	143	311	458
Bypass Starch	(g/kg)	81	20	90	160

Intake Characteristics		Analysis	Low	Standard	High
Dry Matter	(g/kg)	459	224	605	836
pH		4.1	3.7	5.3	6.3
Ammonia N	(% of total N)	6.4	13.0	26.0	40.0

Protein		Analysis	Low	Standard	High
Crude Protein	(g/kg)	78	13	100	113
ERDP	(g/kg)	48	11	64	75
DUP	(g/kg)	12.4	6.5	16.9	23.5
(a)		0.66	0.58	0.61	0.63
(b)		0.16	0.20	0.22	0.24
(c)	(per hour)	0.089	0.081	0.084	0.086

Fermentation Characteristics		Analysis	Low	Standard	High
Acetic Acid	(g/kg)	16.3	5.0	20.0	29.0
n Butyric Acid	(g/kg)	3.0	4.0	8.0	50.0
Tot. Volatile Fatty Acids	(g/kg)	27.7	10.0	22.0	32.0
Lactic Acid	(g/kg)	18.7	48.0	100.0	150.0

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Summary

Energy	Analysis		Comments
Dry Matter	%	45.9	Standard
ME	(MJ/kg)	10.1	Standard
Starch	%	28.4	Standard
Crude Protein	%	7.8	Standard
Ammonia N	(% of total N)	6.4	Low
pH		4.1	Standard