

Costs of Forage Production (£)

Updated 21/07/2017

	Grazed Grass (10 yr ley)	Grass Silage 3 cuts (7 yr ley)	Maize Silage	Maize (Plastic)	Wholecrop	Fodder Beet	Kale	IRG 3 cuts (2 yr ley)	Stubble Turnips
Yield of Fresh Matter (t/ha)	58	50	43	53	29	78	50	53	65
Typical Dry Matter Content of crop	18.00%	25%	30%	30%	45%	18%	14.50%	25%	9%
Yield of Dry Matter (t/ha)	10.4	12.5	12.9	15.9	12.8	14.0	7.3	13.3	5.9
Metabolisable Energy (MJ/kg DM)	11.5	11	11	11	10.2	12.5	11.4	11	11.5
Establishment Costs (£/ha)									
Ploughing	63	63	63		63	63	0	63	0
Cultivations	90	90	90		90	90	30	90	30
Sowing	30	30	45		41	45	30	30	30
Seed	135	130	175		77	133	56	100	19
Lime	120	120	30		30	30	30	30	30
Fertiliser	52	52	180		180	179	161	52	80
Sprays	26	26	65		190	159	50	26	28
Fertiliser applications	12	12	24		36	24	12	12	12
Spraying	14	14	28		41	56	14	14	14
Additional Cost of Plastic				320					
Total	54	77	700	1020	748	778	383	208	243
Variable Costs (£/ha)									
Fertiliser	150	307	0	0	0	0	0	307	0
Sprays	10	10	0	0	0	0	0	10	0
Total	160	317	0	0	0	0	0	317	0
Contractor Costs (£/ha)									
Fertiliser Applications	72	72	0		0	0	0	72	0
Spray applications	14	14	0		0	0	0	14	0
Harvest + Sheets etc	0	420	170	170	170	290	0	420	0
Total	86	506	170	170	170	290	0	506	0
Rent (£/ha)	370	370	370	370	370	370	370	370	370
Profit requirement									
Total Annual Cost (£/ha)	670	1269	1240	1560	1288	1438	753	1401	613
Total Annual Cost (£/acre)	271	514	502	631	521	582	305	567	248
Total Cost (£/t utilised DM)	64	102	96	98	100	102	104	106	105
Total Cost (£/t utilised fresh weight)	12	25	29	29	45	18	15	26	9