

# Costs of Forage Production (£)

Updated 11/04/2015

	Grazed Grass (10 yr ley)	Grass Silage 3 cuts (7 yr ley)	Maize Silage	Maize (Plastic)	Wholecrop No Additive	Fodder Beet	Kale	IRG 3 cuts (2 yr ley)
Yield of Fresh Matter (t/ha)	63	50	43	53	29	78	50	53
Typical Dry Matter Content of crop	18.00%	25%	30%	30%	45%	18%	14.50%	25%
Yield of Dry Matter (t/ha)	11.34	12.5	12.90	15.90	12.825	14.04	7.25	13.25
Metabolisable Energy (MJ/kg DM)	11.5	11	11	11	10.2	12.5	11.4	11
<b>Establishment Costs (£/ha)</b>								
Ploughing	63	63	63		63	63	0	63
Cultivations	107	107	107		107	107	30	107
Sowing	30	30	45		41	50	30	30
Seed	175	175	175		77	133	56	120
Lime	60	60	60		60	60	60	60
Fertiliser	57	57	220		233	220	199	57
Sprays	26	26	65		190	159	50	26
Fertiliser applications	12	12	24		36	24	12	12
Spraying	14	14	28		41	56	14	14
Additional Cost of Plastic				320				
<b>Total</b>	<b>54</b>	<b>78</b>	<b>787</b>	<b>1107</b>	<b>847</b>	<b>872</b>	<b>451</b>	<b>244</b>
<b>Variable Costs (£/ha)</b>								
Fertiliser	213	384	0	0	0	0	0	384
Sprays	10	10	0	0	0	0	0	10
<b>Total</b>	<b>223</b>	<b>394</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>394</b>
<b>Contractor Costs (£/ha)</b>								
Fertiliser Applications	72	72	0		0	0	0	72
Spray applications	14	14	0		0	0	0	14
Harvest + Sheets etc	0	420	170	170	170	290	0	420
<b>Total</b>	<b>86</b>	<b>506</b>	<b>170</b>	<b>170</b>	<b>170</b>	<b>290</b>	<b>0</b>	<b>506</b>
Rent (£/ha)	370	370	370	370	370	370	370	370
Profit requirement								
<b>Total Annual Cost (£/ha)</b>	<b>733</b>	<b>1348</b>	<b>1327</b>	<b>1647</b>	<b>1387</b>	<b>1532</b>	<b>821</b>	<b>1514</b>
<b>Total Annual Cost (£/acre)</b>	<b>297</b>	<b>545</b>	<b>537</b>	<b>666</b>	<b>561</b>	<b>620</b>	<b>332</b>	<b>613</b>
Cost per tonne of DM	65	108	103	104	108	109	113	114
Feed Out Costs (£/t)	0	0	0	0	0	0	0	0
<b>Total Cost (£/t utilised DM)</b>	<b>65</b>	<b>108</b>	<b>103</b>	<b>104</b>	<b>108</b>	<b>109</b>	<b>113</b>	<b>114</b>
<b>Total Cost (£/t utilised fresh weight)</b>	<b>12</b>	<b>27</b>	<b>31</b>	<b>31</b>	<b>49</b>	<b>20</b>	<b>16</b>	<b>29</b>