

Energy and Soil Fertility Data collection update 26th November 2014



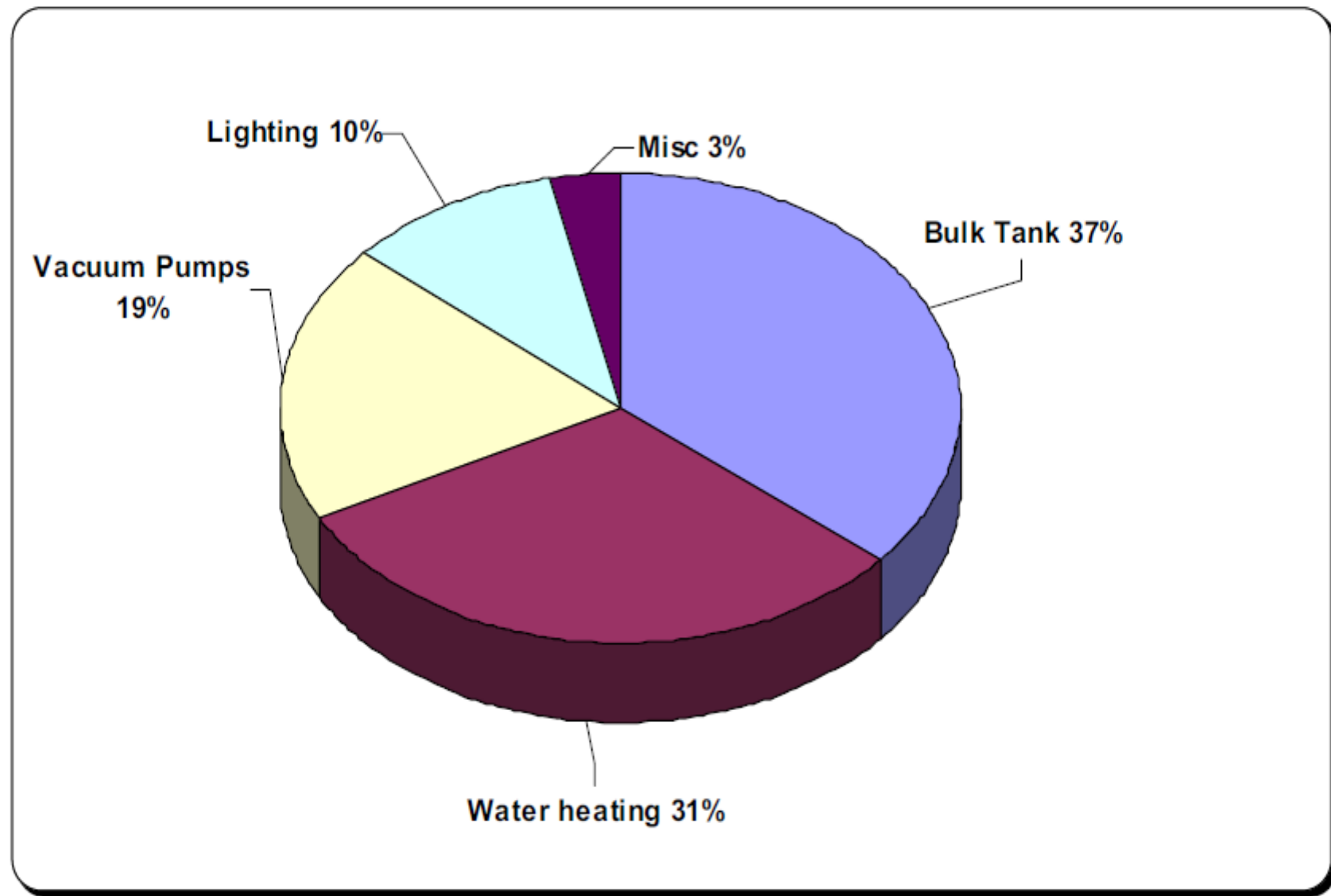
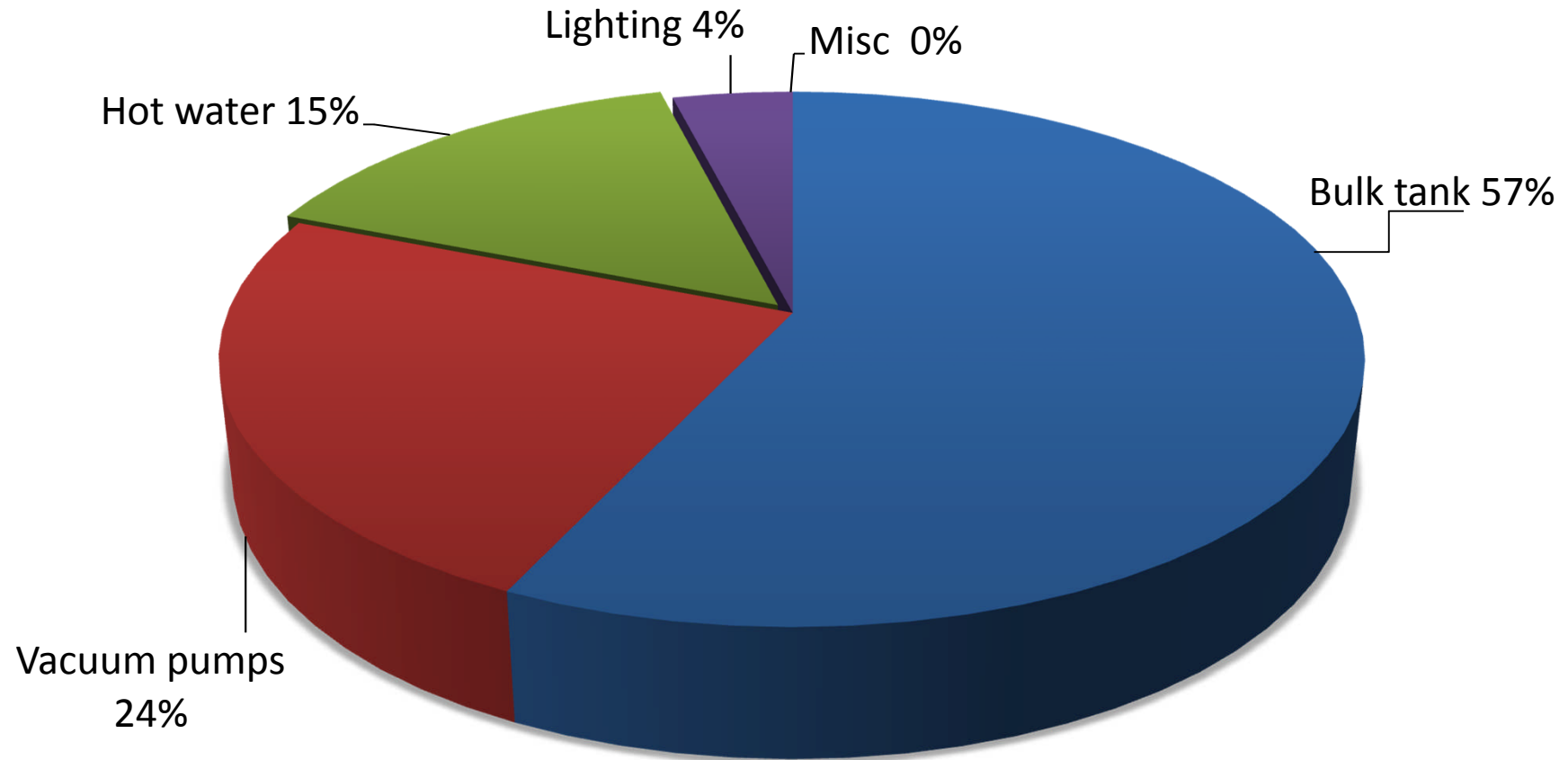


Figure 1; Summary of electricity audit on three Teagasc Research Farms

John O'Sullivan Electricity Apr – Sept



Soil Fertility: pH Status

Location	2010	2013	2014	Lime (tns) 2014
Castleisland	5.8	5.4	5.6	73
Doonbeg	5.4	5.8	5.6	40
Athea	5.8	5.8	5.6	62
North Cork	5.4	5.9	5.6	86
Listowel	5.3	5.7	5.7	0
Rossmore	5.7	5.7	5.5	0
Macroom	5.8	5.8	5.8	0
Crossmolina			5.4	40
Average	5.6	5.7	5.6	
Target	6.2	6.2	6.2	

Soil Fertility: Phosphorus mg/l

Location	2010	2013	2014
Castleisland	6.0	5.2	4.6
Doonbeg	4.1	3.2	4.9
Athea	3.0	3.5	3.1
North Cork	3.8	1.9	2.0
Listowel	10.9	7.0	7.2
Rossmore	5.4	5.1	6.4
Macroon	5.6	5.3	5.4
Crossmolina			7.6
Average	5.5	4.5	5.15
Target	5.1 – 8.0	5.1 – 8.0	5.1 – 8.0

Soil Fertility: Potassium mg/l

Location	2010	2013	2014
Castleisland	174	90	88
Doonbeg	85	80	75
Athea	101	95	126
North Cork	106	43	88
Listowel	118	112	83
Rossmore	95	92	102
Macroon	129	120	140
Crossmolina			105
Average	115	90	101
Target	101 - 150	101 – 150	101 – 150

John O'Sullivan Paddock 7

	Spring	Summer	Autumn	Total
Grass growth Tonnes Dry matter/ha	0.3	9.6	6.4	16.3

	Soil analysis	Artificial	Slurry	Total
N		209	0	209
P	6.68	40	0	40
K	134	80	0	80
pH	6.26			

Danny Bermingham Paddock 30

	Spring	Summer	Autumn	Total
Grass growth Tonnes Dry matter/ha	1.0	7.0	3.7	11.7

	Soil analysis	Artificial	Slurry	Total
N		195	25	220
P	8.53	21	5	26
K	105	42	31	73
pH	5.59			

John Leahy Paddock 19

	Spring	Summer	Autumn	Total
Grass growth Tonnes Dry matter/ha	0.4	3.6	2.0	6.0

	Soil analysis	Artificial	Slurry	Total
N		201	0	201
P	2.8	46	0	46
K	84	92	0	92
pH	4.80			

Sean O'Riordan Paddock 23

	Spring	Summer	Autumn	Total
Grass growth Tonnes Dry matter/ha	0.4	6.0	3.9	10.3

	Soil analysis	Artificial	Slurry	Total
N		289	6	295
P	119	44	6	50
K	231	89	48	137
pH	6.01			

Tom & TJ Ryan Paddock 5

	Spring	Summer	Autumn	Total
Grass growth Tonnes Dry matter/ha	0.4	6.5	3.0	9.9

	Soil analysis	Artificial	Slurry	Total
N		227	1	228
P	8.13	38	1	40
K	54	75	3	78
pH	5.63			

Con Lehane Paddock 12

	Spring	Summer	Autumn	Total
Grass growth Tonnes Dry matter/ha	0.4	5.6	2.6	8.6

	Soil analysis	Artificial	Slurry	Total
N		251	8	259
P	10.6	26	8	34
K	163	61	65	126
pH	5.76			