

# Heavy Soils Programme Review of Farm Performance 18<sup>th</sup> January 2016

James O'Loughlin, Ger Courtney and  
John Maher

# HSP Farm Performance 2011 - 2015

Year	Herd Size	Stocking Rate		Herd EBI		6 week calving %
		Farm	MP	Total	Fertility	
2011	77	1.70	2.12	84	47	72
2012	85	1.71	2.27	112	73	68
2013	83	1.69	2.24	134	79	76
2014	85	1.85	2.30	150	87	74
2015	92	1.81	2.45	161	89	74

# HSP Comparative Farm Performance 2015

Farms	Herd Size	Stocking Rate		Herd EBI		6 week calving %
		Farm	MP	Total	Fertility	
HSP Mean	92	1.81	2.45	161	89	74
HSP Range	79 -101	1.49 - 2.39	1.79 - 3.1	135 - 198	75 - 106	60 - 88
292 Profit monitors Mean	126	2.35	2.63	--	--	--

# HSP: Average Farm Performance

Year	Milk Solids (kg/ha)	Gross Output		Total Costs		Net Margin	
		(€/Ha)	(c/litre)	(€/Ha)	(c/litre)	(€/Ha)	(c/litre)
2011	850	3236	35.6	1838	20.3	1398	15.3
2012	869	3092	35.4	2143	24.7	948	10.7
2013	940	3689	40.0	2332	25.4	1357	14.6
2014	935	3725	39.0	2134	22.4	1591	16.9
2015	1091	3245	32.2	2145	21.2	1100	10.8

# HSP: Comparative Farm Performance 2015

Farms	Milk Solids (kg/ha)	Gross Output		Total Costs		Net Margin	
		(€/Ha)	(c/litre)	(€/Ha)	(c/litre)	(€/Ha)	(c/litre)
HSP Mean	1091	3245	32.2	2145	21.2	1100	10.8
HSP Range	905 - 1283	2522 - 4120	29.7 - 35.1	1583 - 2818	18.5 - 24.6	939 - 1302	8.5 - 12.7
292 Profit monitors Mean	1173	4226	32.76	2585	20.2	1641	12.5

# Grass Production 2015 (>15 walks)

	Date		Walks	Grazing* Area (Ha)	Tonnes (DM/Ha)			
	First	Last			Grown	Spring	Summer	Autumn
Castleisland	2 <sup>nd</sup> Feb	23 <sup>rd</sup> Nov	33	49.6	<b>13.8</b>	0.8	9.0	4.1
Ballinagree	6 <sup>th</sup> Mar	25 <sup>th</sup> Nov	31	51.2	<b>9.8</b>	0.5	6.1	3.2
Doonbeg	11 <sup>th</sup> Mar	13 <sup>th</sup> Nov	35	44.4	<b>9.6</b>	0.2	5.9	3.5
Athea	2 <sup>nd</sup> Feb	11 <sup>th</sup> Nov	38	39.3	<b>10.5</b>	0.8	6.1	3.6
Rossmore	12 <sup>th</sup> Feb	25 <sup>th</sup> Nov	23	25.0	<b>11.7</b>	0.6	6.8	4.3
Kishkeam	12 <sup>th</sup> Feb	22 <sup>nd</sup> Nov	27	42.1	<b>10.6</b>	0.6	7.0	3.0
Lisselton	9 <sup>th</sup> Mar	25 <sup>th</sup> Nov	38	31.3	<b>12.5</b>	0.6	7.6	4.3
Crossmolina	15 <sup>th</sup> Mar	23 <sup>rd</sup> Nov	16	11.2	<b>9.6</b>	0.2	5.8	3.6
<b>Average</b>	19 <sup>th</sup> Feb	19 <sup>th</sup> Nov	30	40.4	<b>11.0</b>	0.5	6.8	3.7

# Grass Production Best Paddock 2015

	Average	Spring	Summer	Autumn		Best Paddock		Spring	Summer	Autumn
						No.	Growth			
Castleisland	<b>13.8</b>	0.8	9.0	4.1		10	<b>16.2</b>	0.9	10.2	5.1
Ballinagree	<b>9.8</b>	0.5	6.1	3.2		4	<b>12.2</b>	0.8	8.0	3.4
Doonbeg	<b>9.6</b>	0.2	5.9	3.5		5	<b>16.5</b>	0.3	10.2	6.1
Athea	<b>10.5</b>	0.8	6.1	3.6		4	<b>12.8</b>	1.4	7.4	4.0
Rossmore	<b>11.7</b>	0.6	6.8	4.8		13	<b>15.5</b>	0.8	8.8	5.9
Kishkeam	<b>10.6</b>	0.6	7.0	3.0		18	<b>13.8</b>	0.8	9.7	3.3
Lisselton	<b>12.5</b>	0.6	7.6	4.3		2	<b>16.7</b>	0.3	11.7	4.7
Crossmolina	<b>9.6</b>	0.2	5.8	3.6		27	<b>12.4</b>	0.3	8.7	3.4
<b>Average</b>	<b>11.0</b>	0.5	6.8	3.7			<b>14.5</b>	0.7	9.3	4.5

# Soil Fertility: pH Status

Location	2010	2013	2014	2015	Lime (Tns) 2015
Castleisland	5.8	5.5	5.7	5.9	
Doonbeg	5.4	5.8	5.8	5.7	40
Athea	5.8	5.5	5.8	6.2	130
Kishkeam	5.4	5.8	5.8	6.2	70
Lisselton	5.3	5.7	5.5	5.9	80
Rossmore	5.7	5.8	5.8	6.2	40
Ballinagree	5.8	5.8	5.9	6.5	130
Crossmolina			5.6		20
<b>Average</b>	<b>5.6</b>	<b>5.7</b>	<b>5.7</b>	<b>6.1</b>	
Target	6.2	6.2	6.2	6.2	



# Soil Fertility: Phosphorus mg/l

Location	2010	2013	2014	2015
Castleisland	6.0	4.7	6.4	4.2
Doonbeg	4.1	4.9	5.6	5.5
Athea	3.0	3.1	4.9	3.7
Kishkeam	3.8	1.9	4.4	2.8
Lisselton	10.9	5.4	9.8	6.5
Rossmore	5.4	8.5	11.0	10.7
Ballinagree	5.6	5.6	6.5	5.1
Crossmolina			3.4	
<b>Average</b>	<b>5.5</b>	<b>4.9</b>	<b>6.5</b>	<b>5.5</b>
Target	5.1 – 8.0	5.1 – 8.0	5.1 – 8.0	5.1 – 8.0

# Soil Fertility: Potassium mg/l

Location	2010	2013	2014	2015
Castleisland	174	94	110	87
Doonbeg	85	74	96	91
Athea	101	134	125	104
Kishkeam	106	82	112	88
Lisselton	118	89	140	105
Rossmore	95	97	95	106
Ballinagree	129	144	155	115
Crossmolina			112	
<b>Average</b>	<b>115</b>	<b>102</b>	<b>118</b>	<b>99</b>
Target	101 - 150	101 – 150	101 – 150	101 – 150