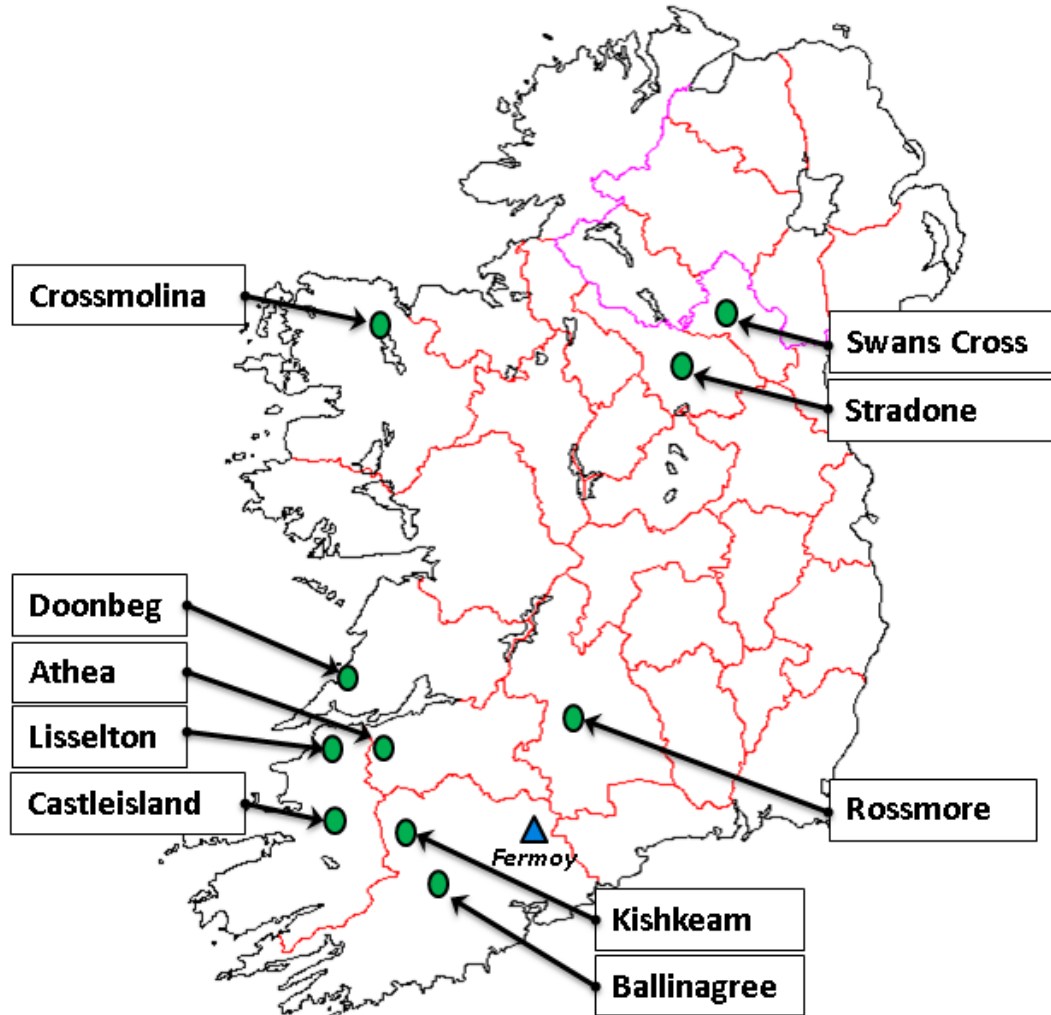


# Heavy Soils Programme Review of Farm Performance 31<sup>st</sup> January 2018 Portlaoise

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# Heavy Soils Programme Farms



# HSP Farm Performance 2011 - 2017

Year	Herd Size	Stocking Rate		Herd EBI		6 week calving %
		Farm	MP	Total	Fertility	
2011	78	1.70	2.12	84	47	72
2012	85	1.71	2.27	112	73	68
2013	84	1.69	2.24	134	79	76
2014	88	1.85	2.30	150	87	74
2015	95	1.81	2.45	161	89	74
2016	100	1.85	2.56	82	35	69
2017	104	2.00	2.80	89	39	75

# HSP Comparative Farm Performance 2017

Farms	Herd Size	Stocking Rate		Herd EBI		6 week calving %
		Farm	MP	Total	Fertility	
HSP Mean	104	1.85	2.45	82	35	69
HSP Range	95 -118	1.6 – 2.5	2.5 - 3.6	44 - 119	11 - 53	11 - 88
929 Profit monitors Mean	129	2.31	--	--	--	--

# 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
2016	1068	2935	28.3	1911	19.7	954	8.6
2017	1289	4508	38.4	2355	20.1	2153	18.4

# HSP: Comparative Farm Performance 2017

Farms	Milk Solids (kg/ha)	Gross Output		Total Costs		Net Margin	
		(€/Ha)	(c/litre)	(€/Ha)	(c/litre)	(€/Ha)	(c/litre)
HSP Mean	1289	4508	38.4	2355	20.1	2153	18.4
HSP Range	970 – 1540	3175 - 6098	35.8 – 41.48	1673 - 3969	14.7– 26.0	1479 - 3051	13.9 – 23.9
929 Profit monitors Mean	1037	5226	38.4	2862	21.1	2233	17.3

# 6 week calving %

Location	2013	2014	2015	2016	2017
Castleisland	69	59	62	80	82
Doonbeg	81	78	88	86	86
Athea	82	80	85	88	88
Kishkeam	87	87	84	76	83
Listowel	66	68	67	81	85
Rossmore	72	64	69	64	86
Ballinagree	74	79	60	72	75
Swanscross	--	25	7	15	11
Stradone	--	45	24	58	74
Average	76	74	74	69	73

# Grass Production 2017 (>15 walks)

	Date		Walks	Grazing* Area (Ha)	Tonnes (DM/Ha)			
	First	Last			Grown	Spring	Summer	Autumn
Castleisland	09 Feb	02 Dec	35	49.7	<b>11.6</b>	0.8	7.0	3.8
Ballinagree	24 Jan	01 Dec	20	52.8	<b>11.4</b>	1.2	6.9	3.3
Doonbeg	02 Feb	12 Dec	41	43.9	<b>12.3</b>	1.3	7.5	3.6
Athea	02 Feb	29 Nov	41	39.3	<b>12.2</b>	0.9	7.5	3.8
Rossmore	22 Feb	24 Nov	22	29.5	<b>12.6</b>	0.3	8.3	4.0
Kishkeam	07 Feb	29 Nov	24	42	<b>10.3</b>	0.4	6.6	3.2
Listowel	03 Feb	26 Oct	28	31.3	<b>11.1</b>	0.4	7.5	3.1
Crossmolina	24 <sup>th</sup> April	1 <sup>st</sup> Nov	15	11.2	<b>7.9</b>	0.1	6.0	1.8
Stradone	26 Jan	14 Nov	28	37.8	<b>8.8</b>	0.1	6.2	2.6
Swanscross	10 Feb	24 Nov	20	33.3	<b>7.62</b>	0.6	6.4	0.6
<b>Average</b>	01 Feb	24 Nov	26	33.8	<b>10.6</b>	0.6	7.0	3.0



# Grass Production Best Paddock 2017

	Average	Spring	Summer	Autumn		Best Paddock		Spring	Summer	Autumn
						No.	Growth			
Castleisland	<b>11.6</b>	0.8	7.0	3.8		1-2	<b>15.2</b>	0.9	9.4	4.9
Ballinagree	<b>11.4</b>	1.2	6.9	3.3		9	<b>12.8</b>	1.4	7.5	3.9
Doonbeg	<b>12.3</b>	1.3	7.5	3.6		3	<b>16.6</b>	1.6	10.2	4.8
Athea	<b>12.2</b>	0.9	7.5	3.8		16	<b>16.8</b>	1.2	10.9	4.7
Rossmore	<b>12.6</b>	0.3	8.3	4.0		20	<b>16.0</b>	0.8	9.8	5.4
Kishkeam	<b>10.3</b>	0.4	6.6	3.2		22	<b>15.5</b>	0.8	9.3	5.4
Listowel	<b>11.1</b>	0.4	7.5	3.1		4	<b>17.1</b>	1.6	10.9	4.6
Stradone	<b>8.3</b>	0.1	5.6	2.6		26	<b>11.9</b>	0.4	9.2	2.3
Swanscross	<b>7.6</b>	0.6	6.4	0.6		22	<b>9.9</b>	0.0	7.9	2.0
<b>Average</b>	<b>10.8</b>	0.7	7.0	3.1			<b>14.6</b>	1.0	9.5	4.2

# Soil Fertility: pH Status

Location	2013	2014	2015	2016	2017
Castleisland	5.5	5.7	5.9	6.0	6.2
Doonbeg	5.8	5.8	5.7	6.1	6.1
Athea	5.5	5.8	6.2	6.5	6.6
Kishkeam	5.8	5.8	6.2	6.4	6.3
Listowel	5.7	5.5	5.9	6.0	6.0
Rossmore	5.8	5.8	6.2	6.2	6.2
Ballinagree	5.8	5.9	6.5	6.5	6.3
Crossmolina	5.4	5.6	5.7	6.1	5.9
Swanscross	--	--	6.4	6.5	6.4
Stradone	--	--	6.2	6.5	6.6
Average	5.7	5.7	6.1	6.3	6.3
Target	6.2	6.2	6.2	6.2	6.2

# Soil Fertility: Phosphorus mg/l

Location	2013	2014	2015	2016	2017
Castleisland	4.7	6.4	4.2	5.3	5.2
Doonbeg	4.9	5.6	5.5	4.1	5.2
Athea	3.1	4.9	3.7	3.9	4.2
Kishkeam	1.9	4.4	2.8	3.1	3.4
Listowel	5.4	9.8	6.5	5.5	5.9
Rossmore	8.5	11	10.7	10.1	8.2
Ballinagree	5.6	6.5	5.1	6.2	5.5
Crossmolina	7.6	3.4	4.4	5.8	6.2
Swanscross	--	--	6.2	5.8	5.9
Stradone	--	--	3.1	5.1	4.1
Average	4.9	6.5	5.2	5.5	5.4
Target	5.1 – 8.0	5.1 – 8.0	5.1 – 8.0	5.1 – 8.0	5.1 – 8.0

# Soil Fertility: Potassium mg/l

Location	2013	2014	2015	2016	2017
Castleisland	94	110	87	103	109
Doonbeg	74	96	91	64	84
Athea	134	125	104	106	98
Kishkeam	82	112	88	86	99
Listowel	89	140	105	74	91
Rossmore	97	95	106	111	108
Ballinagree	144	155	115	154	145
Crossmolina	105	112	73	92	107
Swanscross	--	--	170	150	165
Stradone	--	--	142	153	152
Average	102	118	108	109	116
Target	101 – 150	101 – 150	101 – 150	101 – 150	101 – 150

# Ground cover ryegrass%

Location	2011	2012	2013	2014	2015	2016	2017
Castleisland	34	16	26	30	31	24	25
Doonbeg	30	22	29	28	28	24	20
Athea	26	19	33	37	38	30	30
Kishkeam	29	17	25	27	32	25	25
Listowel	17	11	18	22	22	18	24
Rossmore	28	25	43	40	41	42	35
Ballinagree	32	15	27	28	26	28	23
Crossmolina	--	--	--	16	20	18	16
Stradone	--	--	--	--	39	34	34
Swanscross	--	--	--	--	44	36	34
<b>Average</b>	<b>28</b>	<b>18</b>	<b>29</b>	<b>29</b>	<b>32</b>	<b>28</b>	<b>27</b>

# HSP Farms annual Grass growth 2011-2017

Year	Tonnes Grass Dry Matter/Ha
2011	10.6
2012	7.8
2013	10.3
2014	11.0
2015	11.3
2016	10.7 (11.3)
2017	10.6 (11.9)
<b>Average</b>	<b>10.3 (10.6)</b>

# Summary

- Financial Performance
  - Excellent cost structure
  - Highly profitable
  - Improvement in output
- Soil Fertility
  - Lime – progress
  - K – static
  - P – static
- Grass
  - Production – no change
  - Rye grass content – no change
- Measurement
  - PastureBase Ireland

Thank You