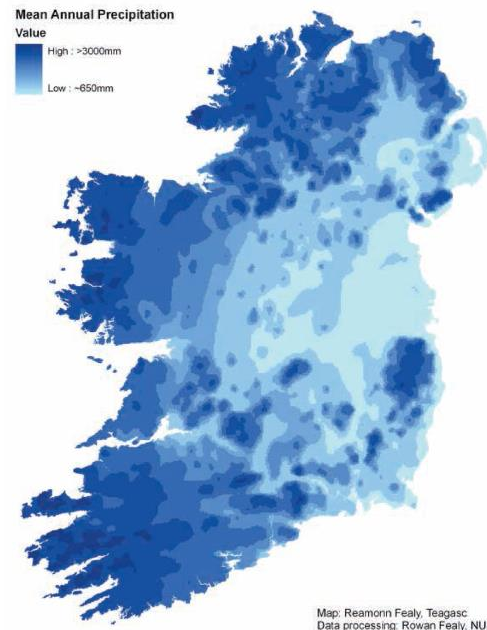
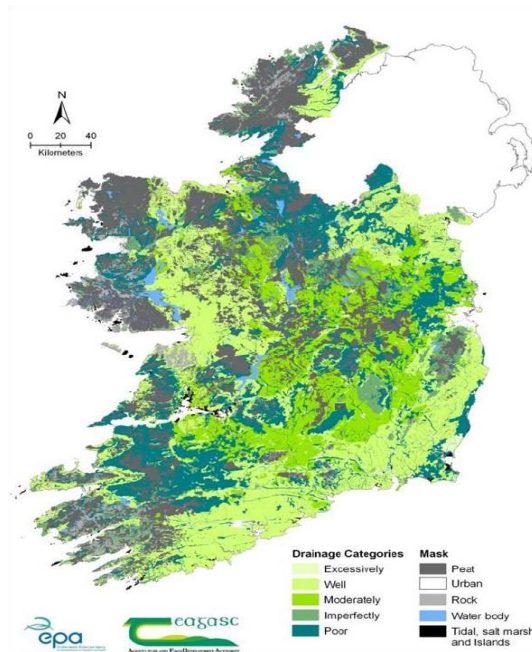
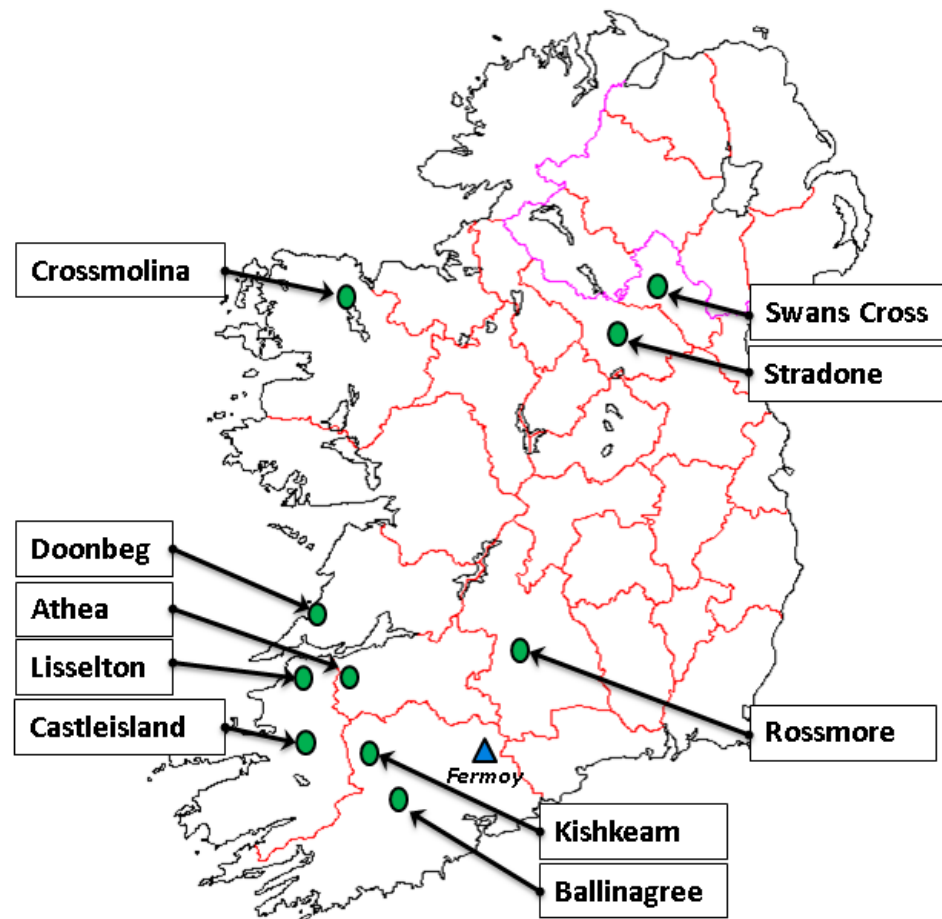


Heavy Soils Programme Review of Farm Performance 25th January 2021



Heavy Soils Programme Farms



HSP Farm Performance 2011-2020

Year	Herd size	Stocking Rate		Herd EBI		6 week calving %
		Farm	MP	Total	Fertility	
2011	78	1.7	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
2018	107	2.00	2.90	119	45	74
2019	106	2.00	2.80	134	53	83
2020	103	2.00	2.82	139	61	83

HSP Farm Performance 2020

		Land		Stocking Rate		Herd EBI		
Farmer	Herd Size	MP Ha	Total Ha	Farm	Milking Platform	Total	Fertility	6 week calving %
Con Lehane	116	40	78	1.93	2.90	150	61	84
Danny Bermingham	110	45	64	2.23	2.44	170	66	90
Alan Wood	48	18	56	1.99	2.67	86	45	98
John Leahy	109	43	75	1.80	2.53	154	75	84
John O Sullivan	106	38	71	1.97	2.79	148	79	80
Sean O Riordan	100	37	62	1.81	2.70	161	66	87
TJ Ryan	129	42	93	1.96	3.06	146	67	80
David Brady	96	39	61	2.08	2.46	117	49	86
James Mc Mahon	111	29	78	2.23	3.85	117	42	59
Average	103	36.8	70.8	2.00	2.82	139	61	83

HSP: Average Dairy Performance (Dairy ha)

Year	Milk Solids	Gross Output		Total Cost		Net Margin	
	Kg/HA	(€/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
2018	1404	4530	37.6	2961	23.3	1571	12.6
2019	1338	4250	35.7	2676	22.4	1574	13.3
2020	1405	4406	36.2	2591	21.1	1815	15.0

Whole Farm Vs. Dairy Ha performance

	Gross Output			Total Cost			Net Profit (Excl DP)			Net Profit (Inc DP)		
	Whole Farm	Dairy HA		Whole Farm	Dairy HA		Whole Farm	Dairy HA		Whole Farm	Dairy HA	
Farmer	€/Ha	€/Ha	c/Litre	€/Ha	€/Ha	c/Litre	€/Ha	€/Ha	c/Litre	€/Ha	€/Ha	c/Litre
Con Lehane	3774	4404	34.79	2186	2342	18.50	1587	2062	16.29	1934	2108	16.65
Danny Bermingham	4637	5141	37.35	3285	3574	25.96	1353	1567	11.38	1963	1679	12.20
Alan Wood	2761	3956	33.37	1800	2500	21.09	961	1456	12.28	1542	1513	12.76
John Leahy	3385	3968	38.4	1757	1925	18.63	1629	2042	19.77	1873	2085	20.18
John O Sullivan	3938	4612	35.11	2280	2508	19.09	1658	2105	16.02	1982	1982	16.96
Sean O Riordan	3334	3416	38.22	2003	1901	21.27	1332	1515	16.95	2217	2029	22.70
TJ Ryan	4046	4728	37.77	2377	2732	21.83	1669	1996	15.94	1937	2022	16.16
David Brady	4163	5005	36.51	2565	2824	20.60	1597	2181	15.91	2101	2274	16.59
James Mc Mahon	3378	4429	33.85	2630	3014	23.03	742	1415	10.81	1050	1456	11.13
Average	3713	4406	36.15	2320	2591	21.11	1392	1815	15.04	1844	1905	16.15

Herd Performance

Farmer	Kg Meal Fed	Litres Cow	Kg /MS Per Cow	Milk Solids kg/ha (Milking Platform)
Con Lehane	1092	6520	527	1528
Danny Bermingham	1141	6184	523	1279
Alan Wood	1194	5949	483	1288
John Leahy	790	5745	476	1207
John O Sullivan	966	6800	550	1535
Sean O Riordan	750	4949	423	1143
TJ Ryan	1193	6386	538	1645
David Brady	916	6590	525	1293
James Mc Mahon	1098	5867	451	1737
Average	1015	6110	499	1405

Concentrate /Fertiliser costs

Farmer	Feed		Fertiliser		Feed/Fert Ratio	Total cost		Net Profit	
	€ Kg /MS	C/Litre	€ Kg /MS	C/Litre		€ Kg /MS	C/Litre	€ Kg /MS	C/Litre
Con Lehane	0.57	4.54	0.33	2.62	1.7	2.39	18.50	1.96	16.29
Danny Birmingham	0.60	5.10	0.47	3.98	1.3	2.80	25.96	1.61	11.38
Alan Wood	0.68	5.53	0.22	1.76	3.1	2.60	21.09	1.51	12.28
John Leahy	0.44	3.66	0.39	3.20	1.1	2.25	18.63	2.39	19.77
John O Sullivan	0.47	3.82	0.26	2.11	1.8	2.36	19.09	1.98	16.02
Sean O Riordan	0.47	4.01	0.35	2.99	1.3	2.49	21.27	1.98	16.95
TJ Ryan	0.61	5.10	0.24	2.04	2.5	2.59	21.83	1.89	15.94
David Brady	0.48	3.79	0.30	2.36	1.6	2.59	20.60	2.00	15.91
James Mc Mahon	0.67	5.13	0.28	2.19	2.4	3.00	23.03	1.41	10.81
Average	0.55	4.52	0.30	2.57	1.9	2.56	21.11	1.86	15.04

6 week calving %

Location	2013	2014	2015	2016	2017	2018	2019	2020
Crossmolina								98
Castleisland	69	59	62	80	82	83	84	80
Doonbeg	81	78	88	86	86	84	88	90
Athea	82	80	85	88	88	87	94	84
Kiskeam	87	87	84	76	83	83	85	87
Rossmore	72	64	69	64	86	88	81	80
Ballingree	74	79	60	72	75	77	84	80
Swanscross		25	7	15	11	13	62	59
Stradone		45	24	58	74	83	81	86
Average		65	61	69	74	74	83	83

Grass Production 2020 (>23 walks)

			Date				Annual tonnage Kg DM Per/Ha		
Farmer	Annual tonnage(T)	Pregrazing Yield	First Grazing	Last Grazing	Num. of Grazings	Num. of Walks	Spring	Summer	Autumn
John O Sullivan	13.8	1288	22-Mar	24-Oct	8.6	34	1438	8551	3028
Donal Keane	12.5	1768	28-Mar	26-Oct	5.9	25	666	9275	2556
Con Lehane	12.4	1322	10-Mar	10-Nov	8.1	36	1326	6959	2327
Danny Bermingham	11.7	1515	25-Mar	19-Dec	6.6	40	1474	7971	2190
John Leahy	13.2	1619	20-Mar	27-Oct	6.9	51	2680	8207	2288
TJ Ryan	13.4	1483	22-Mar	29-Oct	8.1	31	1673	9265	2482
Sean O Riordan	11.3	1380	20-Mar	5-Nov	7.0	31	1251	7697	1808
David Brady	12.7	1628	10-Feb	23-Oct	5.8	39	1033	8636	2735
James Mc Mahon	11.7	1617	18-Mar	12-Oct	6.3	26	1088	6123	1651
Alan Wood	10.4	1403	12-April	5-Oct	5.3	18	667	5944	1770
Average	12.3	1502.3	19-Mar	30-Oct	6.9	33.1	1330	7863	2284

Grass Production 2020

	Number of Grazings	Grazing Kg/Dm/Ha	Silage Kg/Dm/ha	Total Kg/Dm/Ha	Kg N / Dairy Ha
John O Sullivan	8.6	12678	1149	13827	262
Con Lehane	8.1	11217	1182	12399	270
Danny Bermingham	6.6	9918	1784	11702	241
Donal Keane	5.9	10547	1685	12495	/
John Leahy	6.9	11174	2000	13174	267
TJ Ryan	8.1	12017	1404	13421	288
Sean O Riordan	7.0	9364	1907	11271	257
David Brady	5.8	9333	3369	12702	244
James Mc Mahon	6.3	10860	881	11741	261
Alan Wood	5.3	8893	1531	10424	171
Average	6.9	10600	1689	12316	252.2

Grass Production best paddock 2020

	No.	Tonnes Dry matter Kg/DM /Ha	Grazing + Silage Kg Dm/Ha	N Kgs /Ha
John O Sullivan	10	18402	15402 + 3000	198
Con Lehane	8	15708	11908 + 3800	284
Donal Keane	6	12869	10869 + 2000	-
Danny Bermingham	9	16627	15127 + 1500	275
John Leahy	8	16599	15146 + 1453	289
TJ Ryan	13	15083	13183 + 1900	361
Sean O Riordan	26	13195	13195 + 0	234
David Brady	14	18026	13826 + 4200	202
James Mc Mahon	11	14501	14501 + 0	237
Alan Wood	24	14925	14925+ 0	197

HSP Farms annual grass growth 2011 -2020

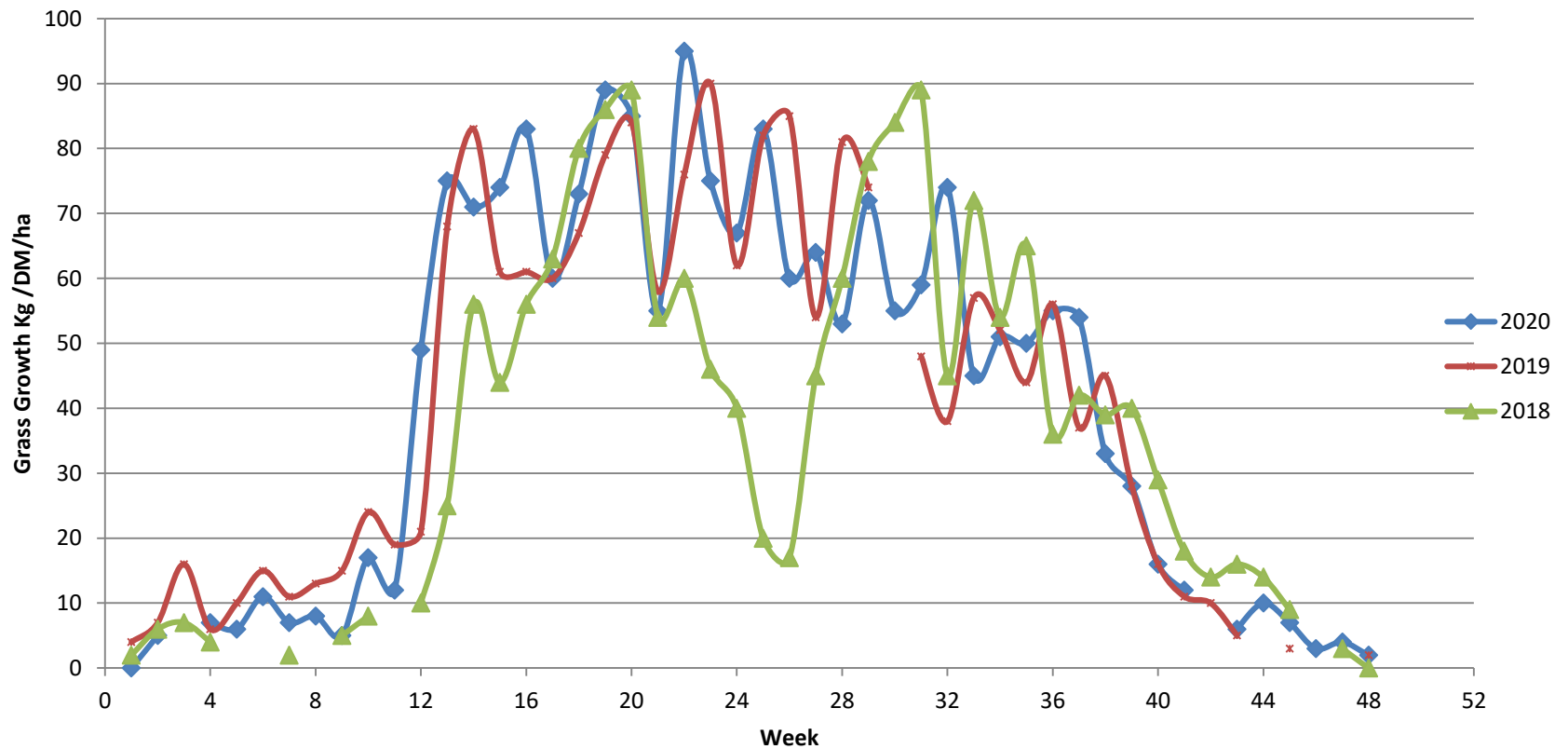
Year	Tonnes Grass Dry Matter /Ha
2011	10.6
2012	7.8
2013	10.3
2014	11.0
2015	11.3
2016	11.3
2017	11.9
2018	11.7
2019	13.5
2020	12.3

PBI Dairy 2020 average Vs. HSP average 2020

	PBI Dairy Average	HSP Average
Tonnage (T Dm/HA)	13.4	12.3
Grazing (Kg Dm/HA)	11505	10600
Silage (Kg Dm/HA)	1902	1689
No Grazings	7.4	6.9
Pregrazing Yield (Kg Dm/HA)	1554	1502

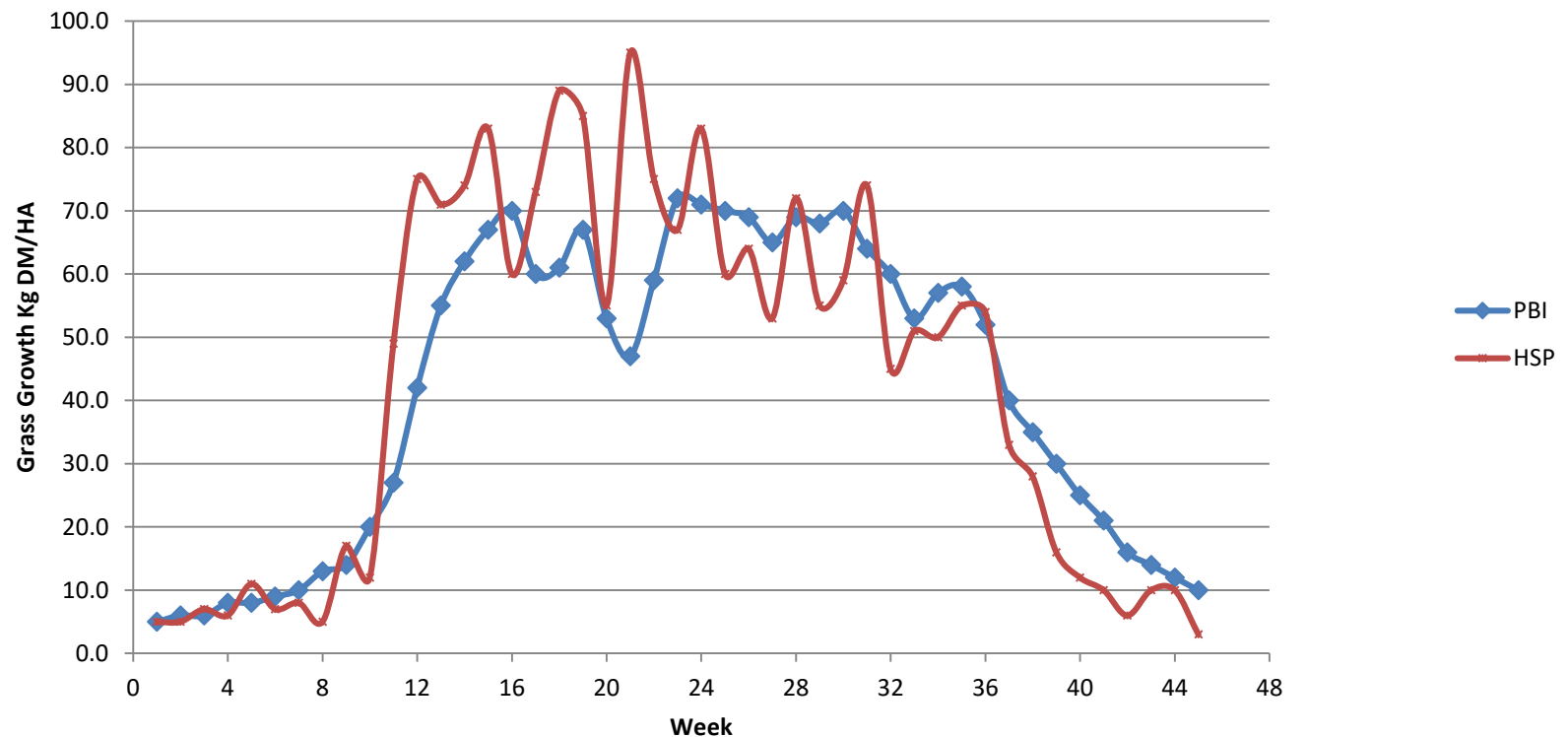
Weekly Grass Growth

Grass Growth on HSP farms 2018-2020



Grass Growth- HSP Vs. National Average

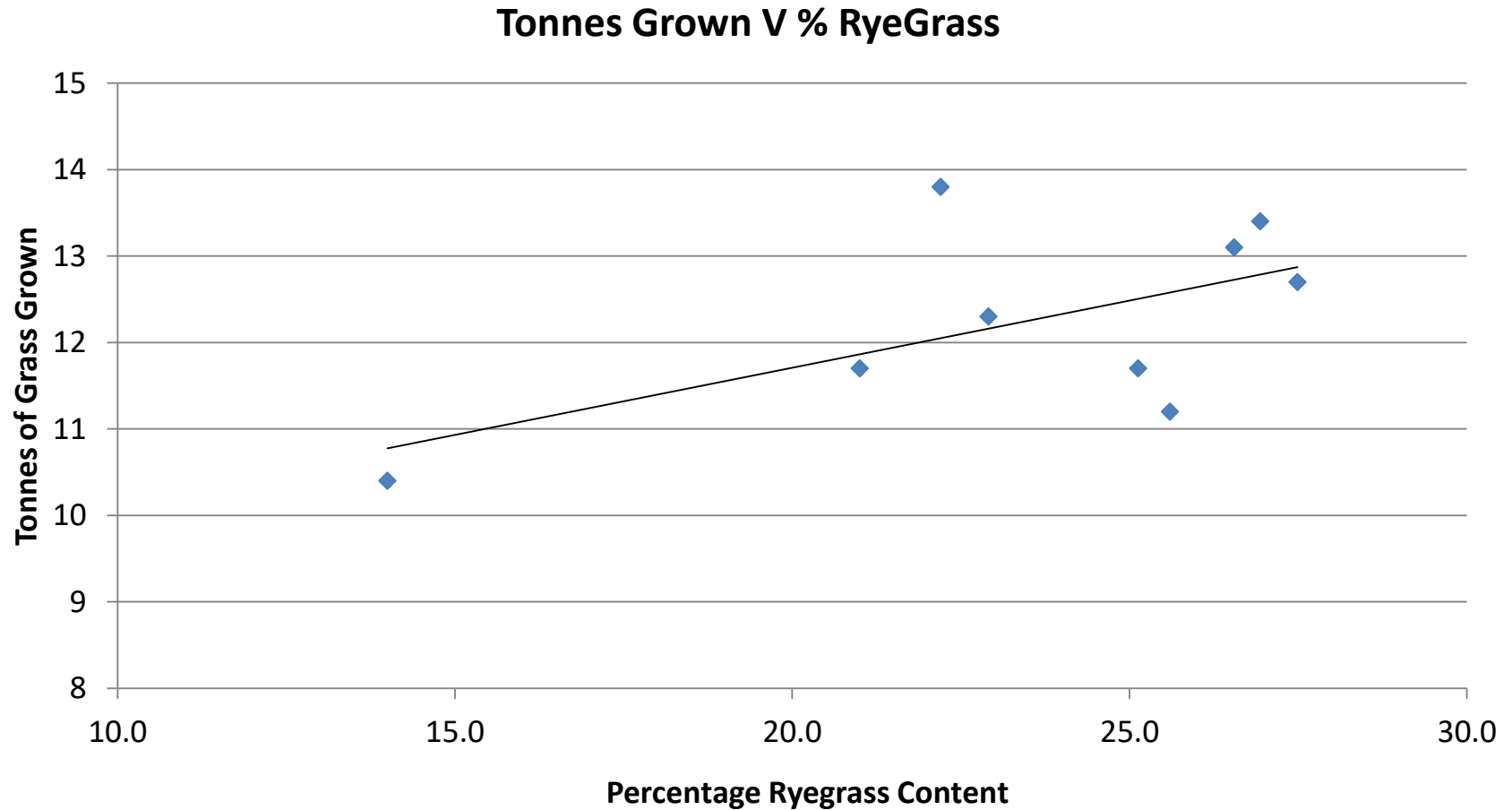
PBI weekly average Vs HSP weekly average 2020



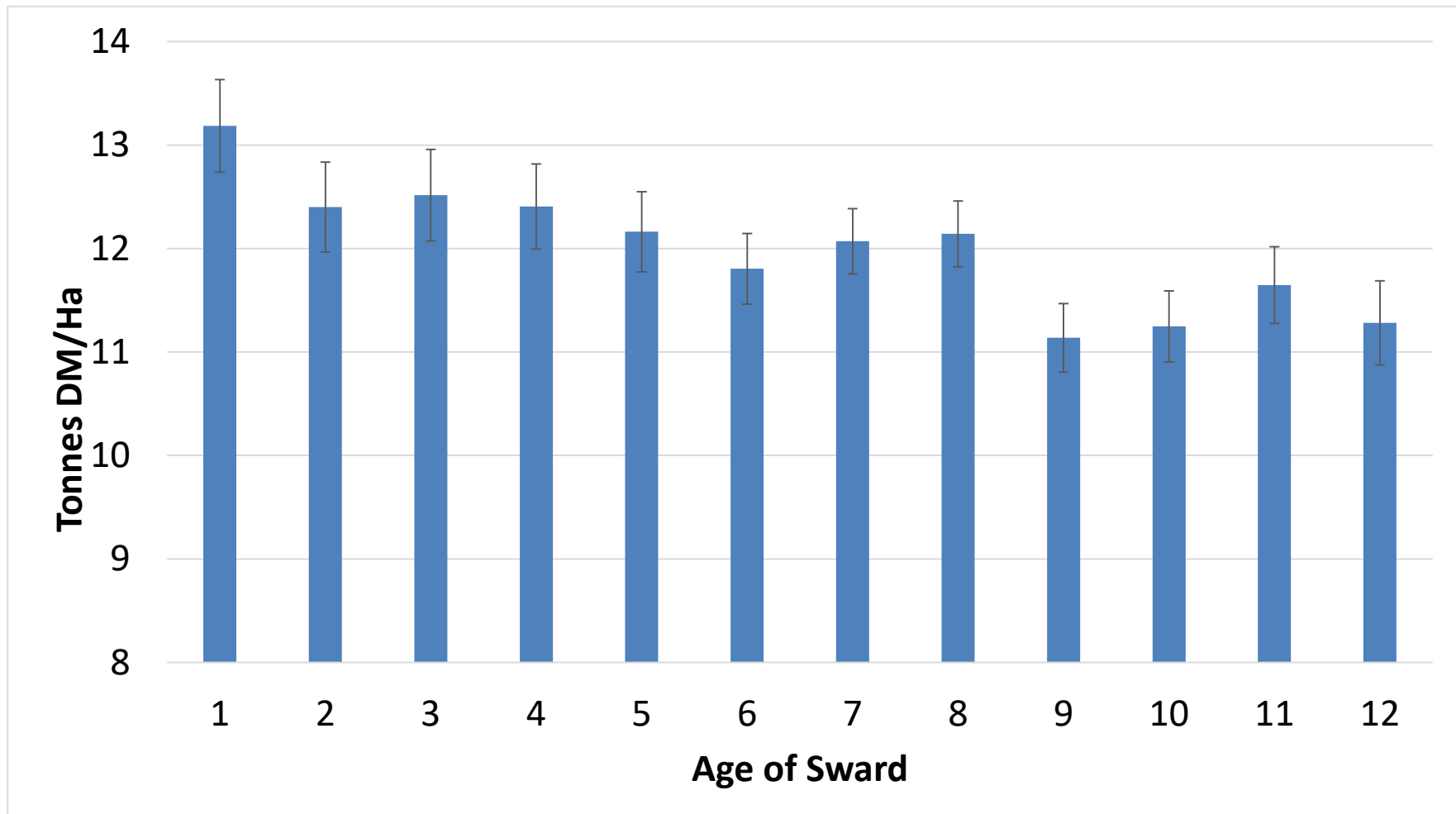
% Ryegrass Cover 2011-2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
JO'Sullivan	34	16	26	30	31	24	25	24	20	22
Danny B	30	22	29	28	28	24	20	26	18	25
J Leahy	26	19	33	37	38	30	30	36	27	27
SORiordan	29	17	25	27	32	25	25	24	19	26
D Keane	17	11	18	22	22	18	24	26	25	22
TJ Ryan	28	25	43	40	41	42	35	42	24	27
C Lehane	32	15	27	28	26	28	23	22	22	23
A Wood				16	20	18	16	20	8	14
D Brady					39	34	34	40	24	28
J McMahon					44	36	34	32	16	21
Average	28	18	29	29	32	28	27	29	20	24

Ryegrass % Vs. Annual Tonnage



Growth V Age of Sward



Labour efficiency survey

Issues covered					
Milking start time	Milking time taken	Milking over winter	Fertiliser contract spread	Topping of paddocks	Cleaning yards
Backing Gate	Breeding Season Length	Distance from calf shed to dairy	Bales drawn by contractor	Grazings per paddock	Handling facilities on all land parcels
Mechanically cleaned calf sheds	Transport milk to calves	Space for peak calves	Num. of sheds for silage	Num. of groups of stock	Farm Map
Calving by night	Assisted calving	Slurry Contract spread	Frequency of silage feeding	Office work	

Farmer	% Score
Tj Ryan	62
John O Sullivan	96
Sean O Riordan	81
Danny Bermingham	81
James Mc Mahon	69
John Leahy	77
David Brady	85
Donal Keane	81
Con Lehane	96
Alan Wood	62

N use Efficiency

	David Brady	Con Lehane	James Mc Mahon	John O' Sullivan	Sean O' Riordan	TJ Ryan	Danny Bermingham	John Leahy	Average
Year	Nitrogen								
2017		20	19	21	23	28	27	17	22.1
2018	27		22	23	19	24	27	17	22.7
2019	24	24	23	23	22	21	30	24	23.9
2020	36	25	27	25	27	25	32	31	28.5

Early N Use

All Farms Total		Kg/N /Ha	Kg/DM/Ha Grown to 1st April
	Total	60	504.1
	Min - Max	32-101	

Example		Kg/N/Ha	Organic Kg/ N/Ha	Kg/DM/Ha Grown to 1st April
Spring	Total	51.54		719
	Max Pdk	101	Of which 40Kg Organic	1163
	Min Pdk	11.5		

Slurry analysis-Plant Available Nutrients

		John Leahy	Sean O' Riordan	Con Lehane	Danny Bermingham	John O' Sullivan	Alan Wood	Average
DM	%	6.9	5.6	6.3	10.4	4.2	6.4	6.6
N	units/ 1000 gallons	8.6	7.4	8.2	10.9	2.8	9.8	8.0
P	units/ 1000 gallons	2.5	2.0	2.4	6.0	1.2	5.6	3.3
K	units/ 1000 gallons	23.6	23.2	29.0	38.4	6.3	24.3	24.1

Notes

- *Splash plate assumed- Higher N if LESS application*
- *Index 1 & 2 soils assumed – Higher P & K if Index 3*

Farm Developments



Congratulations David

Grassland Farmer of the Year 2020

On Tuesday, 19 January, the Grassland Farmer of the Year Awards Ceremony took place as a live webinar. During this live webinar, the 15 finalists were profiled and winners of each category along with the overall winner were announced. Caroline Walsh from Ballinascorthy, Co. Cork was announced as the Overall Winner of the Grassland Farmer of the Year 2020.

Grassland Merit Award - Most Improved Grassland



David Brady

David milks 100 cows on his farm near Stradone, Co. Cavan on a heavy farm. The farm is stocked at 2.5 LU/ha and has made huge progress over the past number of years to grow and utilise more grass. David gravel-mole ploughs 5-10 acres of his farm each year transforming the wettest paddocks on the farm to some of the driest he has.

[Read more about David here...](#)