

25th August 2017

This news sheet summarises up-to-date results from the Rothamsted/SASA suction-trap (**ST**) network and the FERA yellow water-pan trap (**YWT**) network.

GENERAL –Cereal, Winter OSR, Pea and Winter Bean harvest is all but completed in many areas of Britain. The total numbers of aphids have generally decreased this week in the **ST** network.

POTATOES

- **Virus pressure in YWT is low from a sample received from Angus and Perthshire and one from East Anglia this week. Virus pressure from all YWT regions is now lower than average for the last 13 years.**
- No peach–potato aphids (*Myzus persicae*) were caught this week in the **ST**, however a single peach–potato aphid was caught at Angus and Perthshire in the **YWT**.
- Total numbers of cereal aphids, non-colonising vectors of PVY and PVA, decreased this week.
- Black bean aphids were caught at Dundee (2) and Newcastle (2) this week in the **ST**, but none were caught in the **YWT**. This species transmits PVA very efficiently and growers of PVA susceptible varieties (Desiree, King Edward, Maris Peer, Marfona etc.) may want to factor this into decision making. Further regional information on potato virus vectors and the FERA yellow water-pan trap (**YWT**) network can be accessed here: www.potato.org.uk/online-toolbox/aphid-monitoring.

OILSEED RAPE, FIELD BRASSICAS and LEAFY VEGETABLES

- No peach–potato aphids (*Myzus persicae*) were caught this week in the **ST**, however a single peach–potato aphid was caught at Angus and Perthshire in the **YWT**.
- Mealy cabbage aphids (*Brevicoryne brassicae*) were caught in single figures at Kirton (2) and Hereford (1) this bulletin week.
- A single currant-lettuce aphid (*Nasonovia ribisnigri*) was caught at Gogarbank in the **ST** this week.

CARROTS and PARSNIPS

- Single willow–carrot aphids (*Cavariella aegopodii*) were caught at Dundee and Hereford this week.
- The parsnip aphid (*Cavariella pastinacae*) was caught at Gogarbank (1), Newcastle (1), Preston (1) and Wye (1) this week.
- The parsnip aphid (*Cavariella theobaldi*) was caught at Newcastle (1) and Wye (1) this week.

CEREALS

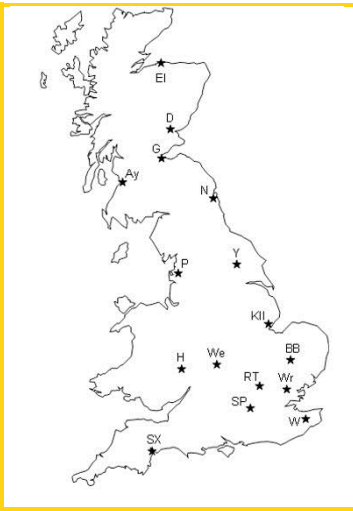
- The total numbers of cereal aphids have decreased in the **ST** this week, the risk to crops has now passed for this season.

PEAS and BEANS

- A single pea aphid was found at Dundee this week in the **ST**. The risk to crops has now passed for this season.
- Black bean aphids were caught in single figures at Dundee and Newcastle this week in the **ST**, but no black bean aphids were caught in the **YWT** this week. The risk to crops has now passed for this season.

Suction-trapping Results

The information below relates to suction-trap samples collected during Bulletin Week **21: 14/08 – 20/08**.



'*' indicates where totals have been corrected proportionally to seven days, fewer days' samples having been processed and **0 = none so far this year.**

Rose-grain aphid (Metopolophium dirhodum)	Bulletin Week Totals		14/08-20/08		Accumulated until		20/08
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	8	↑	0	13	31	67	5016
Gogarbank (Edinburgh)	4	↑	2	3	217	38	577
Newcastle	0	↓	2	8	59	45	299
York	0		42	/	175	107	/
Preston	0	↓	1	1	182	76	345
Kirton	*0		7	1	231	184	1511
Broom's Barn (Bury St Edmunds)	0		0	0	208	249	1061
Wellesbourne	0		7	1	303	129	353
Hereford	0		8	2	172	65	528
Rothamsted (Harpenden)	0		0	0	91	107	602
Writtle	/		0	0	92	208	634
Silwood Park (nr Ascot)	0		2	0	34	25	147
Wye	0		0	0	109	54	213
Starcross (nr Exeter)	0		2	0	166	73	313

The rose-grain aphid was caught in single figures at Dundee (8) and Gogarbank (4) this bulletin week.

Bird cherry–oat aphid (<i>Rhopalosiphum padi</i>)	Bulletin Week Totals		14/08-20/08		Accumulated until		20/08
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	26	↑	44	211	65	1086	2158
Gogarbank (Edinburgh)	35	↑	146	119	224	356	1140
Newcastle	13		26	57	144	370	536
York	33	↑	129	/	251	360	/
Preston	23	↓	36	51	997	189	262
Kirton	*16	↓	76	34	236	495	988
Broom's Barn (nr Bury St Edmunds)	18	↓	51	25	224	533	937
Wellesbourne	16	↓	252	57	279	924	501
Hereford	25	↑	217	80	204	945	665
Rothamsted (Harpenden)	17		30	26	100	494	587
Writtle	/		18	15	115	658	618
Silwood Park (nr Ascot)	6	↑	34	13	86	306	302
Wye	16	↑	37	16	210	546	402
Starcross (nr Exeter)	34	↑	68	34	295	1506	744

The bird cherry–oat aphid was caught at all sites this bulletin week. The highest number was caught at Gogarbank (35).

Grain aphid (<i>Sitobion avenae</i>)	Bulletin Week Totals		14/08-20/08		Accumulated until		20/08
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	10	↑	6	101	36	109	1338
Gogarbank (Edinburgh)	4	↑	19	35	142	67	512
Newcastle	7	↑	6	25	49	58	248
York	1		62	/	379	222	/
Preston	1	↓	15	9	206	93	334
Kirton	*0	↓	4	10	77	101	1390
Broom's Barn (nr Bury St Edmunds)	0		2	4	109	87	992
Wellesbourne	1	↑	35	7	104	171	862
Hereford	2	↑	46	19	85	171	745
Rothamsted (Harpenden)	0	↓	7	6	107	98	1066
Writtle	/		3	3	166	119	1036
Silwood Park (nr Ascot)	0		6	1	59	47	502
Wye	0	↓	6	2	100	109	622
Starcross (nr Exeter)	0	↓	2	3	151	141	312

The grain aphid was caught at seven sites this week and mostly in single figures except Dundee which caught the highest number (10).

Peach–potato aphid (<i>Myzus persicae</i>)	Bulletin Week Totals		14/08-20/08		Accumulated until		20/08
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	0	↓	0	5	65	24	33
Gogarbank (Edinburgh)	0	↓	2	1	93	20	17
Newcastle	0		1	1	278	21	24
York	0		0	/	923	252	/
Preston	0		1	1	61	119	129
Kirton	*0	↓	0	1	693	211	686
Broom's Barn (nr Bury St Edmunds)	0		0	1	1262	377	933
Wellesbourne	0		0	0	1022	1566	673
Hereford	0		4	1	387	566	249
Rothamsted (Harpenden)	0		0	0	278	288	530
Writtle	/		0	0	136	427	859
Silwood Park (nr Ascot)	0		0	0	36	56	68
Wye	0		0	0	215	76	246
Starcross (nr Exeter)	0		1	1	135	50	168

No peach–potato aphids were caught this bulletin week.

Potato aphid (<i>Macrosiphum euphorbiae</i>)	Bulletin Week Totals		14/08-20/08		Accumulated until		20/08
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	0		0	1	10	18	68
Gogarbank (Edinburgh)	0		1	1	65	18	63
Newcastle	0		0	1	33	5	24
York	0		3	/	41	13	/
Preston	0		1	1	28	29	33
Kirton	*0		0	0	66	16	67
Broom's Barn (nr Bury St Edmunds)	0		0	0	22	5	34
Wellesbourne	0		2	0	54	21	45
Hereford	0		12	4	111	42	105
Rothamsted (Harpenden)	0		0	0	17	14	24
Writtle	/		0	0	56	16	41
Silwood Park (nr Ascot)	0	↓	2	0	10	17	21
Wye	0		0	0	21	3	15
Starcross (nr Exeter)	0		0	0	39	11	44

No potato aphids were caught this bulletin week.

Cabbage aphid (<i>Brevicoryne brassicae</i>)	Bulletin Week Totals		14/08-20/08		Accumulated until		20/08
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	0		0	4	4	1	9
Gogarbank (Edinburgh)	0		0	1	21	4	5
Newcastle	0	↓	0	0	19	1	8
York	0		0	/	36	50	/
Preston	0		0	0	20	95	32
Kirton	*2	↑	0	0	48	75	175
Broom's Barn (nr Bury St Edmunds)	0		1	1	125	39	147
Wellesbourne	0		1	1	92	1278	997
Hereford	1	↑	0	5	142	989	329
Rothamsted (Harpenden)	0		0	1	4	7	90
Writtle	/		0	1	25	44	274
Silwood Park (nr Ascot)	0		0	0	19	11	69
Wye	0		0	0	48	24	123
Starcross (nr Exeter)	0		2	2	84	19	240

Mealy cabbage aphids were caught in single figures at Kirton (2) and Hereford (1) this bulletin week.

Willow-carrot aphid (<i>Cavariella aegopodii</i>)	Bulletin Week Totals		14/08-20/08		Accumulated until		20/08
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	1		0	6	18	177	117
Gogarbank (Edinburgh)	0		0	0	74	158	111
Newcastle	0	↓	0	1	157	72	104
York	0		2	/	739	469	/
Preston	0		0	1	534	1063	634
Kirton	*0		1	1	1028	695	767
Broom's Barn (nr Bury St Edmunds)	0		0	0	594	451	869
Wellesbourne	0		1	0	927	430	563
Hereford	1	↑	0	0	839	151	416
Rothamsted (Harpenden)	0		0	0	136	242	493
Writtle	/		1	0	250	485	1009
Silwood Park (nr Ascot)	0		0	0	113	126	295
Wye	0		0	0	154	247	433
Starcross (nr Exeter)	0		0	0	162	134	178

Single willow-carrot aphids were caught at Dundee and Hereford this week.

Pea aphid (<i>Acyrtosiphon pisum</i>)	Bulletin Week Totals		14/08-20/08		Accumulated until		20/08
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	1	↓	0	4	7	11	109
Gogarbank (Edinburgh)	0		7	2	5	13	44
Newcastle	0	↓	1	2	9	15	49
York	0		6	/	9	24	/
Preston	0		2	0	18	8	44
Kirton	*0	↓	10	2	148	215	1135
Broom's Barn (nr Bury St Edmunds)	0		4	1	147	192	600
Wellesbourne	0		12	4	185	199	337
Hereford	0		14	3	43	127	124
Rothamsted (Harpenden)	0		6	2	143	153	414
Writtle	/		3	1	315	177	670
Silwood Park (nr Ascot)	0		0	0	45	55	119
Wye	0		3	0	163	64	278
Starcross (nr Exeter)	0		1	1	33	52	109

A single pea aphid was found at Dundee this week.

Black bean aphid (<i>Aphis fabae</i>)	Bulletin Week Totals		14/08-20/08		Accumulated until		20/08
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	2	↑	10	22	7	37	122
Gogarbank (Edinburgh)	0		25	10	53	40	51
Newcastle	2	↑	0	3	21	1	47
York	0		4	/	110	4	/
Preston	0		0	0	69	3	27
Kirton	*0		0	1	46	8	202
Broom's Barn (nr Bury St Edmunds)	0		0	1	110	2	273
Wellesbourne	0		0	0	124	5	253
Hereford	0		0	1	20	3	162
Rothamsted (Harpenden)	0		0	0	116	12	370
Writtle	/		0	1	89	6	323
Silwood Park (nr Ascot)	0		0	0	15	14	87
Wye	0		0	0	28	7	138
Starcross (nr Exeter)	0		3	0	268	231	113

Black bean aphids were caught at Dundee (2) and Newcastle (2) this week.

Further information

Please send information on crop aphids to: alex.greenslade@rothamsted.ac.uk

AHDB Cereals and Oilseeds: [Click here](#)

AHDB Potatoes: [Click here](#)

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