

17 August 2018

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 and oilseed rape harvest is nearing completion. Pea, bean and potato harvest is continuing in Britain (in between the recent rainfall). The monitoring of vulnerable crops is advised.
- Aphid abundance has decreased to round a half of that of last week in the STs. The species reported on are continuing to decrease across most of the country in line with the harvest.
- The early harvest, together with the extremely dry weather conditions, may result in the lack of a green bridge for virus transmission this year, particularly in the South East of Britain.

CEREALS

- The numbers of cereal aphids have decreased substantially over most of Britain in the ST this week. The risk to crops is passing for this season.

POTATOES

- The number of YWT samples received has continued to decrease this week across Britain. **Virus pressure has also decreased in all regions.**
- The peach–potato aphid was only recorded from ST at York (2) and Kirton (14) this week. They were also found from YWT samples from the Grampian, northern England and Midlands regions.
- The potato aphid was only found from ST at Dundee (1) and Gogarbank (3) this bulletin week. They were also found from YWT samples from the Grampian, Borders and northern England regions this week.
- With regard to non-colonising vectors of PVY and PVA, the total numbers of cereal aphids, leaf curling plum aphids and willow-carrot aphid have all continued to decrease this week in the ST.
- The black bean aphid was only caught at Dundee (4), Gogarbank (11) and York (1) in the ST this week. They were also recorded from all regions across Britain, apart from the North of Scotland, the Midlands and East Anglia in the YWT. This species transmits PVA very efficiently, further regional information on potato virus vectors and the FERA yellow water-pan trap (YWT) network can be accessed here: <http://aphmon.fera.defra.gov.uk/>

OILSEED RAPE, FIELD BRASSICAS and LEAFY VEGETABLES

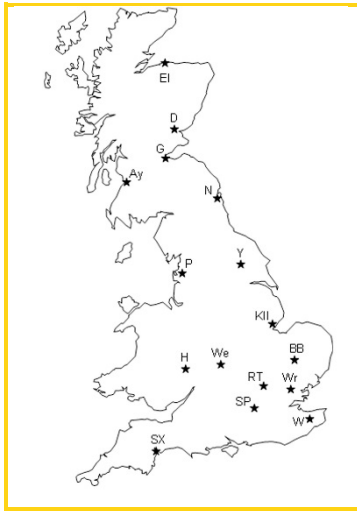
- The peach–potato aphid was only recorded from ST at York (2) and Kirton (14) this week. They were also found from YWT samples from the Grampian, northern England and Midlands regions.
- The mealy cabbage aphid was recorded from six ST sites this week but increasing at only three.
- One currant-lettuce aphid was recorded from the Hereford ST this week.

CARROTS

- Only a single willow–carrot aphid was recorded this week from York from the ST.

PEAS and BEANS

- The pea aphid was recorded in single figures from six ST sites this week, but increasing at only Wellesbourne. The risk to crops is passing for this season.
- The black bean aphid was only recorded from ST sites at Dundee (4), Gogarbank (11) and York (1) this week. The risk to crops is passing for this season.



Suction-trapping Results

The information below relates to suction-trap samples collected during Bulletin Week **18: 06/8 – 12/8**.

‘*’ 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		06/08-12/08		Accumulated until		12/08
	2018	Compared to last Bulletin week	2017	10-year average 2008-17	2018	2017	10-year average 2008-17
Dundee	6	↓	3	526	5173	52	4998
Gogarbank (Edinburgh)	9	↓	1	3	358	302	508
Newcastle	0	↓	0	8	66	60	248
York	0	↓	0	/	242	168	/
Preston	0		3	1	144	215	320
Kirton	0	↓	0	4	267	244	1543
Broom’s Barn (Bury St Edmunds)	0		0	2	355	202	1074
Wellesbourne	0	↓	0	0	261	291	304
Hereford	0	↓	0	4	187	180	534
Rothamsted (Harpenden)	0		0	1	198	91	608
Writtle	0		0	1	354	88	634
Silwood Park (nr Ascot)	0		0	0	130	33	135
Wye	0		0	0	137	92	164
Starcross (nr Exeter)	0	↓	0	1	92	170	304

The rose-grain aphid was only recorded from Dundee (6) and Gogarbank (9) this week.

Bird cherry–oat aphid (<i>Rhopalosiphum padi</i>)	Bulletin Week Totals		06/08-12/08		Accumulated until		12/08
	2018	Compared to last Bulletin week	2017	10-year average 2008-17	2018	2017	10-year average 2008-17
Dundee	28	↓	12	245	8775	82	1901
Gogarbank (Edinburgh)	71	↑	5	78	1735	214	946
Newcastle	0	↓	7	53	364	137	459
York	2	↑	24	/	284	222	/
Preston	9	↑	44	32	79	981	274
Kirton	0	↓	41	42	224	184	916
Broom's Barn (nr Bury St Edmunds)	1	↓	41	27	201	192	872
Wellesbourne	7		12	43	250	232	366
Hereford	10	↓	19	89	55	173	514
Rothamsted (Harpenden)	4	↑	8	40	114	68	522
Writtle	2	↓	0	18	198	119	562
Silwood Park (nr Ascot)	1	↓	3	13	129	76	271
Wye	0		13	16	90	160	368
Starcross (nr Exeter)	1		8	74	323	246	696

The bird cherry–oat aphid was recorded from eleven sites this bulletin week, with numbers increasing at four. The highest number recorded was from Gogarbank (71).

Grain aphid (<i>Sitobion avenae</i>)	Bulletin Week Totals		06/08-12/08		Accumulated until		12/08
	2018	Compared to last Bulletin week	2017	10-year average 2008-17	2018	2017	10-year average 2008-17
Dundee	18	↓	4	115	1889	43	1136
Gogarbank (Edinburgh)	20	↓	3	17	385	144	300
Newcastle	0	↓	4	26	211	43	162
York	1	↓	0	/	1574	385	/
Preston	5	↓	8	10	325	264	243
Kirton	0	↓	2	38	522	71	1329
Broom's Barn (nr Bury St Edmunds)	0	↓	1	15	564	110	976
Wellesbourne	6	↑	0	11	228	99	614
Hereford	3	↓	3	42	205	100	712
Rothamsted (Harpenden)	1	↓	2	21	261	105	1054
Writtle	0	↓	0	18	628	158	1033
Silwood Park (nr Ascot)	1	↑	0	1	227	58	229
Wye	0	↓	2	2	142	102	184
Starcross (nr Exeter)	0	↓	1	5	134	150	287

The grain aphid was found at eight sites this week and increasing at Wellesbourne and Silwood but decreasing elsewhere.

Peach–potato aphid (<i>Myzus persicae</i>)	Bulletin Week Totals		06/08-12/08		Accumulated until		12/08
	2018	Compared to last Bulletin week	2017	10-year average 2008-17	2018	2017	10-year average 2008-17
Dundee	0	↓	1	2	62	92	32
Gogarbank (Edinburgh)	0	↓	1	0	29	96	24
Newcastle	0	↓	0	1	65	263	47
York	2	↓	0	/	464	867	/
Preston	0		0	0	157	63	129
Kirton	14	↓	2	4	944	743	784
Broom's Barn (nr Bury St Edmunds)	0		0	7	1132	1154	992
Wellesbourne	0		0	0	985	931	761
Hereford	0		0	2	733	465	273
Rothamsted (Harpenden)	0		0	3	557	275	511
Writtle	0	↓	0	4	826	128	797
Silwood Park (nr Ascot)	0		0	0	119	37	67
Wye	0		0	0	114	213	222
Starcross (nr Exeter)	0		0	0	157	135	178

The peach–potato aphid was only recorded from York (2) and Kirton (14) this week.

Potato aphid (<i>Macrosiphum euphorbiae</i>)	Bulletin Week Totals		06/08-12/08		Accumulated until		12/08
	2018	Compared to last Bulletin week	2017	10-year average 2008-17	2018	2017	10-year average 2008-17
Dundee	1	↓	0	3	138	26	65
Gogarbank (Edinburgh)	3	↑	0	0	67	72	58
Newcastle	0	↓	0	1	13	33	22
York	0		0	/	27	34	/
Preston	0		0	0	13	30	30
Kirton	0		0	0	11	62	65
Broom's Barn (nr Bury St Edmunds)	0		0	0	3	22	34
Wellesbourne	0		0	0	8	52	46
Hereford	0		0	8	8	115	111
Rothamsted (Harpenden)	0		0	0	16	17	23
Writtle	0		0	0	16	58	43
Silwood Park (nr Ascot)	0		1	0	5	7	19
Wye	0		0	0	4	16	14
Starcross (nr Exeter)	0		0	0	49	36	41

The potato aphid only found at Dundee (1) and Gogarbank (3) this bulletin week.

Cabbage aphid (<i>Brevicoryne brassicae</i>)	Bulletin Week Totals		06/08-12/08		Accumulated until		12/08
	2018	Compared to last Bulletin week	2017	10-year average 2008-17	2018	2017	10-year average 2008-17
Dundee	0		0	0	5	7	3
Gogarbank (Edinburgh)	0	↓	0	0	10	36	6
Newcastle	0	↓	0	0	31	18	8
York	3	↓	0	/	412	33	/
Preston	1	↓	0	0	84	22	28
Kirton	22	↑	0	2	240	52	174
Broom's Barn (nr Bury St Edmunds)	0	↓	0	3	319	113	146
Wellesbourne	4	↑	0	3	540	82	980
Hereford	2	↓	0	4	766	164	299
Rothamsted (Harpenden)	1	↑	0	3	199	4	84
Writtle	0		0	4	1445	23	214
Silwood Park (nr Ascot)	0	↓	0	0	123	17	44
Wye	0		0	0	94	47	74
Starcross (nr Exeter)	0	↓	0	3	201	84	230

The mealy cabbage aphid was recorded from six sites this week but increasing at only three.

Willow-carrot aphid (<i>Cavariella aegopodii</i>)	Bulletin Week Totals		06/08-12/08		Accumulated until		12/08
	2018	Compared to last Bulletin week	2017	10-year average 2008-17	2018	2017	10-year average 2008-17
Dundee	0		1	7	79	115	114
Gogarbank (Edinburgh)	0		0	0	58	187	125
Newcastle	0		0	0	19	166	111
York	1	↑	0	/	184	743	/
Preston	0		0	0	89	610	671
Kirton	0		0	0	288	930	867
Broom's Barn (nr Bury St Edmunds)	0		0	1	1092	577	890
Wellesbourne	0		0	0	205	774	626
Hereford	0		0	1	54	841	493
Rothamsted (Harpenden)	0		0	1	136	120	480
Writtle	0		0	0	685	213	991
Silwood Park (nr Ascot)	0		0	0	169	101	303
Wye	0		0	0	189	135	425
Starcross (nr Exeter)	0		0	1	137	160	180

Only a single willow-carrot aphid was recorded this week from York.

Pea aphid (<i>Acyrtosiphon pisum</i>)	Bulletin Week Totals		06/08-12/08		Accumulated until		12/08
	2018	Compared to last Bulletin week	2017	10-year average 2008-17	2018	2017	10-year average 2008-17
Dundee	2	↓	3	15	333	11	93
Gogarbank (Edinburgh)	2	↓	0	1	74	5	38
Newcastle	0	↓	1	2	54	11	40
York	5	↓	0	/	345	9	/
Preston	0		0	0	42	17	31
Kirton	1	↓	2	13	967	139	1052
Broom's Barn (nr Bury St Edmunds)	0	↓	0	8	329	144	605
Wellesbourne	2	↑	0	6	268	183	328
Hereford	4	↓	0	7	122	46	118
Rothamsted (Harpenden)	0		0	7	326	144	413
Writtle	0		0	5	463	311	689
Silwood Park (nr Ascot)	0		0	1	140	44	81
Wye	0	↓	0	2	225	145	193
Starcross (nr Exeter)	0		0	1	47	34	92

The pea aphid was recorded in single figures from six sites this week, but increasing at only Wellesbourne.

Black bean aphid (<i>Aphis fabae</i>)	Bulletin Week Totals		06/08-12/08		Accumulated until		12/08
	2018	Compared to last Bulletin week	2017	10-year average 2008-17	2018	2017	10-year average 2008-17
Dundee	4	↓	1	18	366	9	86
Gogarbank (Edinburgh)	11	↑	0	3	49	60	40
Newcastle	0	↓	0	3	8	17	42
York	1	↑	0	/	54	107	/
Preston	0	↓	0	0	24	63	29
Kirton	0		0	3	98	39	203
Broom's Barn (nr Bury St Edmunds)	0		0	0	105	108	282
Wellesbourne	0		0	1	45	119	212
Hereford	0	↓	0	3	37	19	147
Rothamsted (Harpenden)	0		0	1	90	115	380
Writtle	0		0	0	124	86	326
Silwood Park (nr Ascot)	0		0	0	149	14	87
Wye	0		0	0	41	29	109
Starcross (nr Exeter)	0		0	0	56	235	128

The black bean aphid was only caught at Dundee (4), Gogarbank (11) and York (1) this week.

Further information

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

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

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