

1st September 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 increased this week in the **ST** network.

POTATOES

- **No samples were received from YWT network this week.**
- Peach–potato aphids (*Myzus persicae*) were caught at Dundee (2), Gogarbank (1) and Kirton (10) this bulletin week in the **ST**.
- Total numbers of cereal aphids, non-colonising vectors of PVY and PVA, increased this week. This increase mainly consisted of the bird cherry–oat aphid.
- Black bean aphids were caught at Dundee (5) and Gogarbank (10) this week in the **ST**. 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

- Peach–potato aphids (*Myzus persicae*) were caught at Dundee (2), Gogarbank (1) and Kirton (10) this bulletin week in the **ST**.
- No mealy cabbage aphids (*Brevicoryne brassicae*) were caught in the **ST** this bulletin week.
- No currant-lettuce aphid (*Nasonovia ribisnigri*) was caught in the **ST** this week.

CARROTS and PARSNIPS

- Willow–carrot aphids (*Cavariella aegopodii*) were caught were caught in single figures at Dundee and Kirton this week.
- The parsnip aphid (*Cavariella pastinacae*) was caught at Gogarbank (3) and Preston (14) this week.
- The parsnip aphid (*Cavariella theobaldi*) was caught at Gogarbank (1) and Wellesbourne (3) this week.

CEREALS

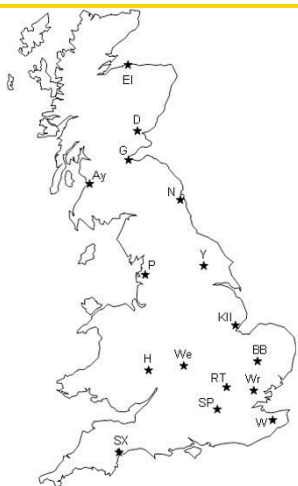
- The total numbers of cereal aphids have increased in the **ST** this week. The risk to crops has however, now passed for this season.

PEAS and BEANS

- Pea aphid was found and increasing in number at four sites this week in the **ST**. The risk to crops has now passed for this season.
- Black bean aphids were caught at Dundee (5) and Gogarbank (10) 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 **22: 21/08 – 27/08**.



* 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		21/08-27/08		Accumulated until		27/08
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	*4	↓	1	1	34	68	5017
Gogarbank (Edinburgh)	2	↓	0	1	219	38	578
Newcastle	*1	↑	0	1	60	45	300
York	*0		4	/	175	111	/
Preston	*0		0	0	182	76	345
Kirton	*0		1	1	231	185	1512
Broom's Barn (Bury St Edmunds)	*0		4	0	208	253	1062
Wellesbourne	*0		0	0	303	129	353
Hereford	*0		0	1	172	65	529
Rothamsted (Harpenden)	*0		2	0	91	109	602
Writtle	*0		0	0	92	208	634
Silwood Park (nr Ascot)	*0		0	0	34	25	147
Wye	*0		0	0	109	54	213
Starcross (nr Exeter)	*0		0	0	166	73	313

The rose-grain aphid was caught in single figures at Dundee (4), Gogarbank (2) and Newcastle (1) this bulletin week.

Bird cherry–oat aphid (<i>Rhopalosiphum padi</i>)	Bulletin Week Totals				21/08-27/08		Accumulated until		27/08
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16		
Dundee	*39	↑	46	92	103	1132	2249		
Gogarbank (Edinburgh)	153	↑	136	125	377	492	1264		
Newcastle	*105	↑	2	39	249	372	575		
York	*59	↑	182	/	309	542	/		
Preston	*45	↑	32	59	1042	221	321		
Kirton	*46	↑	79	30	282	574	1018		
Broom's Barn (nr Bury St Edmunds)	*20	↑	64	27	244	597	964		
Wellesbourne	*70	↑	95	42	349	1019	543		
Hereford	*140	↑	187	73	344	1132	738		
Rothamsted (Harpenden)	*55	↑	71	34	155	565	620		
Writtle	*51	↑	54	17	166	712	635		
Silwood Park (nr Ascot)	*39	↑	35	13	125	341	314		
Wye	*56	↑	31	15	266	577	417		
Starcross (nr Exeter)	*46	↑	42	51	341	1548	794		

The bird cherry–oat aphid was caught and increasing in number at all sites this bulletin week. The highest number was caught at Gogarbank (153).

Grain aphid (<i>Sitobion avenae</i>)	Bulletin Week Totals				21/08-27/08		Accumulated until		27/08
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16		
Dundee	*5	↓	7	17	41	116	1354		
Gogarbank (Edinburgh)	15	↑	15	19	157	82	531		
Newcastle	*4	↓	0	7	53	58	255		
York	*0	↓	62	/	379	284	/		
Preston	*0	↓	8	4	206	101	339		
Kirton	*0		10	5	77	111	1395		
Broom's Barn (nr Bury St Edmunds)	*0		1	3	109	88	994		
Wellesbourne	*0	↓	19	4	104	190	866		
Hereford	*0	↓	73	12	85	244	757		
Rothamsted (Harpenden)	*0		3	3	107	101	1069		
Writtle	*0		5	3	166	124	1039		
Silwood Park (nr Ascot)	*0		0	1	59	47	503		
Wye	*0		2	1	100	111	623		
Starcross (nr Exeter)	*1	↑	0	2	153	141	313		

The grain aphid was caught at four sites this week and mostly in single figures except Gogarbank which caught the highest number (15).

Peach–potato aphid (<i>Myzus persicae</i>)	Bulletin Week Totals		21/08-27/08		Accumulated until		27/08
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	*2	↑	1	1	67	25	34
Gogarbank (Edinburgh)	1	↑	1	0	94	21	17
Newcastle	*0		0	1	278	21	25
York	*0		0	/	923	252	/
Preston	*0		0	1	61	119	130
Kirton	*10	↑	1	1	703	212	687
Broom's Barn (nr Bury St Edmunds)	*0		0	1	1262	377	933
Wellesbourne	*0		0	0	1022	1566	673
Hereford	*0		0	3	387	566	252
Rothamsted (Harpenden)	*0		0	0	278	288	530
Writtle	*0		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	51	169

Peach–potato aphids were caught at Dundee (2), Gogarbank (1) and Kirton (10) this bulletin week.

Potato aphid (<i>Macrosiphum euphorbiae</i>)	Bulletin Week Totals		21/08-27/08		Accumulated until		27/08
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	*0		0	0	10	18	68
Gogarbank (Edinburgh)	1	↑	0	1	66	18	64
Newcastle	*0		0	0	33	5	24
York	*0		0	/	41	13	/
Preston	*0		0	0	28	29	33
Kirton	*0		0	0	66	16	67
Broom's Barn (nr Bury St Edmunds)	*0		4	0	22	9	35
Wellesbourne	*0		0	0	54	21	45
Hereford	*0		4	3	111	46	109
Rothamsted (Harpenden)	*0		0	0	17	14	24
Writtle	*0		4	1	56	20	42
Silwood Park (nr Ascot)	*0		0	0	10	17	21
Wye	*0		0	0	21	3	15
Starcross (nr Exeter)	*0		0	1	39	11	45

A single potato aphid was caught at Gogarbank this bulletin week.

Cabbage aphid (<i>Brevicoryne brassicae</i>)	Bulletin Week Totals		21/08-27/08		Accumulated until		27/08
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	*0		0	1	4	1	10
Gogarbank (Edinburgh)	0		1	1	21	5	6
Newcastle	*0		0	0	19	1	8
York	*0		0	/	36	50	/
Preston	*0		0	1	20	95	32
Kirton	*0	↓	2	0	48	77	176
Broom's Barn (nr Bury St Edmunds)	*0		0	0	125	39	147
Wellesbourne	*0		0	0	92	1278	997
Hereford	*0	↓	0	6	142	989	335
Rothamsted (Harpenden)	*0		0	1	4	7	91
Writtle	*0		0	0	25	44	274
Silwood Park (nr Ascot)	*0		0	0	19	11	69
Wye	*0		0	0	48	24	123
Starcross (nr Exeter)	*0		4	3	84	23	243

No mealy cabbage aphids were caught this bulletin week.

Willow-carrot aphid (<i>Cavariella aegopodii</i>)	Bulletin Week Totals		21/08-27/08		Accumulated until		27/08
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	*4	↑	0	3	21	177	120
Gogarbank (Edinburgh)	0		0	1	74	158	111
Newcastle	*0		0	0	157	72	105
York	*0		4	/	739	473	/
Preston	*0		8	4	534	1071	638
Kirton	*3	↑	4	1	1030	699	769
Broom's Barn (nr Bury St Edmunds)	*0		3	3	594	454	871
Wellesbourne	*0		1	0	927	431	563
Hereford	*0	↓	0	0	839	151	416
Rothamsted (Harpenden)	*0		2	0	136	244	493
Writtle	*0		2	1	250	487	1010
Silwood Park (nr Ascot)	*0		0	0	113	126	295
Wye	*0		2	0	154	249	434
Starcross (nr Exeter)	*0		0	0	162	134	178

Willow-carrot aphids were caught in single figures at Dundee and Kirton this week.

Pea aphid (<i>Acyrtosiphon pisum</i>)	Bulletin Week Totals		21/08-27/08		Accumulated until		27/08
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	*0	↓	2	1	7	13	110
Gogarbank (Edinburgh)	1	↑	2	1	6	15	45
Newcastle	*0		0	1	9	15	50
York	*0		16	/	9	40	/
Preston	*0		4	1	18	12	45
Kirton	*0		13	2	148	228	1137
Broom's Barn (nr Bury St Edmunds)	*0		5	1	147	197	601
Wellesbourne	*3	↑	1	0	188	200	337
Hereford	*0		13	3	43	140	127
Rothamsted (Harpenden)	*0		5	1	143	158	415
Writtle	*4	↑	5	1	319	182	671
Silwood Park (nr Ascot)	*0		0	0	45	55	119
Wye	*0		2	1	163	66	279
Starcross (nr Exeter)	*6	↑	3	1	38	55	110

Pea aphid was found and increasing in number at four sites this week.

Black bean aphid (<i>Aphis fabae</i>)	Bulletin Week Totals		21/08-27/08		Accumulated until		27/08
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	*5	↑	1	9	12	38	130
Gogarbank (Edinburgh)	10	↑	11	7	63	51	58
Newcastle	*0	↓	0	3	21	1	50
York	*0		0	/	110	4	/
Preston	*0		4	1	69	7	28
Kirton	*0		0	1	46	8	203
Broom's Barn (nr Bury St Edmunds)	*0		0	1	110	2	274
Wellesbourne	*0		0	0	124	5	253
Hereford	*0		2	1	20	5	163
Rothamsted (Harpenden)	*0		0	0	116	12	370
Writtle	*0		3	1	89	9	323
Silwood Park (nr Ascot)	*0		0	0	15	14	87
Wye	*0		0	0	28	7	138
Starcross (nr Exeter)	*0		1	0	268	232	113

Black bean aphids were caught at Dundee (5) and Gogarbank (10) 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](#)

AHDB Horticulture: [Click here](#)

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