

11<sup>th</sup> 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** –Heavy showers are holding up Cereal, Winter OSR, Pea and Winter Bean harvest completion in many areas of Britain. Monitoring other crops is still advised, however the total numbers of aphids have generally decreased this week in the **ST** network.

## POTATOES

- **Virus pressure in YWT is low from where samples were received this week in Scotland and Northern England.**
- Single peach–potato aphids (*Myzus persicae*) were caught at Kirton and Wellesbourne this week, as well as two being caught at Dundee. Peach–potato aphids were also found in low (but higher than average) numbers in the **YWT** across Scotland.
- Total numbers of cereal aphids, non-colonising vectors of PVY and PVA, decreased this week.
- Black bean aphids were caught in single figures at five sites this week in the **ST** as well as in low numbers across Scotland and Northern England in **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](http://www.potato.org.uk/online-toolbox/aphid-monitoring).

## OILSEED RAPE, FIELD BRASSICAS and LEAFY VEGETABLES

- Single peach–potato aphids (*Myzus persicae*) were caught at Kirton and Wellesbourne this week, as well as two being caught at Dundee. Peach–potato aphids were also found in low numbers in the **YWT** across Scotland.
- No mealy cabbage aphids (*Brevicoryne brassicae*) was caught at this week.
- No currant-lettuce aphids (*Nasonovia ribisnigri*) was caught in the **ST** this week.

## CARROTS and PARSNIPS

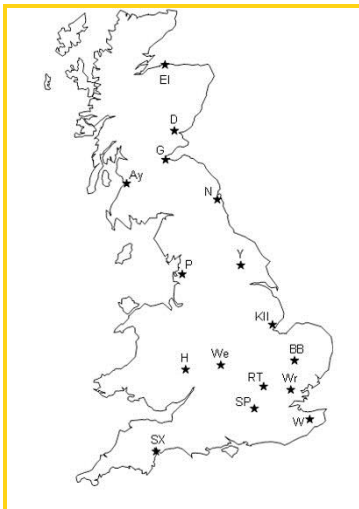
- Two willow–carrot aphids (*Cavariella aegopodii*) were caught at Dundee this week.
- The parsnip aphid (*Cavariella pastinacae*) was caught at Broom's Barn (2), Newcastle (1), Preston (2), and Rothamsted (3) this week.
- The parsnip aphid (*Cavariella theobaldi*) was caught at Broom's Barn (2) and Kirton (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

- The pea aphid was caught at two sites this week, with single aphids being found at Newcastle and Gogarbank in the **ST**. The risk to crops has now passed for this season.
- Black bean aphids were caught in single figures at five sites in the **ST** as well as in low numbers across Scotland and Northern England in **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 19: 31/07 – 06/08.

‘\*’ 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		31/07-06/08		Accumulated until		06/08
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	*2	↑	2	1406	18	67	4580
Gogarbank (Edinburgh)	0		0	12	212	36	570
Newcastle	0	↓	1	78	58	43	285
York	4	↑	10	/	175	63	/
Preston	*0	↓	4	3	177	75	343
Kirton	1	↓	39	21	231	156	1507
Broom’s Barn (Bury St Edmunds)	1	↑	25	14	208	241	1060
Wellesbourne	0	↓	7	2	303	122	352
Hereford	0	↓	4	7	172	51	523
Rothamsted (Harpenden)	*0		6	2	91	104	601
Writtle	1	↑	2	2	92	206	633
Silwood Park (nr Ascot)	0		4	1	34	23	147
Wye	0		5	1	109	54	212
Starcross (nr Exeter)	0	↓	1	2	166	71	312

The rose–grain aphid was caught in single figures at five sites this bulletin week. The highest number was caught at York (4).

Bird cherry–oat aphid ( <i>Rhopalosiphum padi</i> )	Bulletin Week Totals		31/07-06/08		Accumulated until		06/08
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	*5	↓	48	323	26	1022	1713
Gogarbank (Edinburgh)	6	↑	31	108	180	186	919
Newcastle	5	↓	10	76	118	335	436
York	20	↓	42	/	194	181	/
Preston	*32	↑	21	33	925	135	178
Kirton	13	↓	55	78	157	333	912
Broom's Barn (nr Bury St Edmunds)	10		38	43	164	446	888
Wellesbourne	3	↓	42	39	242	575	397
Hereford	9	↓	81	86	160	601	481
Rothamsted (Harpenden)	*8	↑	37	53	66	407	521
Writtle	2		10	34	115	614	582
Silwood Park (nr Ascot)	2	↑	15	34	75	256	276
Wye	13	↑	56	28	180	488	374
Starcross (nr Exeter)	4	↓	68	75	250	1394	643

The bird cherry–oat aphid was caught at all fourteen sites this bulletin week. The highest number was caught at Preston (32).

Grain aphid ( <i>Sitobion avenae</i> )	Bulletin Week Totals		31/07-06/08		Accumulated until		06/08
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	*9	↑	8	273	22	100	1122
Gogarbank (Edinburgh)	2	↓	5	52	135	43	432
Newcastle	0	↓	3	44	36	50	198
York	4	↓	30	/	377	145	/
Preston	*0	↓	9	15	195	68	316
Kirton	3	↓	29	88	74	68	1344
Broom's Barn (nr Bury St Edmunds)	2	↓	11	62	109	77	973
Wellesbourne	1	↓	16	19	103	107	843
Hereford	7	↑	15	48	83	83	683
Rothamsted (Harpenden)	*1	↓	16	37	105	73	1041
Writtle	0	↓	6	37	166	107	1019

Silwood Park (nr Ascot)	2	↑	2	4	59	40	497
Wye	1	↓	12	10	99	101	617
Starcross (nr Exeter)	0	↓	16	7	150	133	305

The grain aphid was caught at ten sites this week in single figures, decreasing at eleven. The highest number was caught at Dundee (9).

Peach–potato aphid ( <i>Myzus persicae</i> )	Bulletin Week Totals		31/07-06/08		Accumulated until		06/08
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	*2	↑	2	4	64	24	23
Gogarbank (Edinburgh)	0	↓	1	1	92	17	15
Newcastle	0	↓	1	2	278	20	22
York	0		0	/	923	250	/
Preston	*0		0	2	61	118	127
Kirton	1	↑	4	15	691	209	680
Broom's Barn (nr Bury St Edmunds)	0		1	23	1262	377	926
Wellesbourne	1	↑	0	1	1022	1565	673
Hereford	0	↓	0	4	387	561	246
Rothamsted (Harpenden)	*0		0	5	278	287	527
Writtle	0		0	15	136	427	857
Silwood Park (nr Ascot)	0		0	0	36	56	68
Wye	0		1	2	215	76	245
Starcross (nr Exeter)	0		0	1	135	49	167

Single peach–potato aphids were caught at Kirton and Wellesbourne this week, as well as two being caught at Dundee.

Potato aphid ( <i>Macrosiphum euphorbiae</i> )	Bulletin Week Totals		31/07-06/08		Accumulated until		06/08
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	*0		1	14	10	18	65
Gogarbank (Edinburgh)	0		0	2	65	17	61
Newcastle	0		0	2	33	5	21
York	0		0	/	41	10	/
Preston	*0		0	2	28	28	32
Kirton	0		0	2	66	16	67
Broom's Barn (nr Bury St Edmunds)	0		0	1	22	5	34
Wellesbourne	0		0	0	54	19	45
Hereford	1	↑	0	3	111	30	94
Rothamsted (Harpenden)	*0		0	0	17	14	23
Writtle	0		0	0	56	16	41

Silwood Park (nr Ascot)	0		0	0	9	15	21
Wye	0		0	0	21	3	15
Starcross (nr Exeter)	0		0	1	39	11	44

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

Cabbage aphid ( <i>Brevicoryne brassicae</i> )	Bulletin Week Totals		31/07-06/08		Accumulated until		06/08
	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	4
Gogarbank (Edinburgh)	0		0	0	21	4	4
Newcastle	0		0	1	18	1	7
York	0		4	/	36	50	/
Preston	*0		0	1	20	95	31
Kirton	0		1	3	47	75	174
Broom's Barn (nr Bury St Edmunds)	0		1	4	125	38	143
Wellesbourne	0		1	3	92	1277	995
Hereford	0		0	8	141	989	322
Rothamsted (Harpenden)	*0		0	3	4	7	86
Writtle	0		0	7	25	44	270
Silwood Park (nr Ascot)	0		0	0	19	11	69
Wye	0	↓	0	1	48	24	123
Starcross (nr Exeter)	0		2	13	84	16	233

No mealy cabbage aphids were caught this bulletin week.

Willow-carrot aphid ( <i>Cavariella aegopodii</i> )	Bulletin Week Totals		31/07-06/08		Accumulated until		06/08
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	*2	↑	1	13	16	177	105
Gogarbank (Edinburgh)	0		2	1	74	158	110
Newcastle	0		0	1	156	72	104
York	0		0	/	739	467	/
Preston	*0	↓	1	1	534	1063	633
Kirton	0		0	1	1028	694	766
Broom's Barn (nr Bury St Edmunds)	0		0	1	594	449	867
Wellesbourne	0		0	0	927	428	562
Hereford	0		0	2	838	151	416
Rothamsted (Harpenden)	*0		0	1	136	242	492

Writtle	0		1	0	250	484	1009
Silwood Park (nr Ascot)	0		0	0	113	126	295
Wye	0		0	0	154	247	433
Starcross (nr Exeter)	0		3	1	162	133	178

Two willow–carrot aphids were caught at Dundee this week.

Pea aphid ( <i>Acyrtosiphon pisum</i> )	Bulletin Week Totals		31/07-06/08		Accumulated until		06/08
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	*0		0	24	3	11	91
Gogarbank (Edinburgh)	1	↑	1	3	5	6	41
Newcastle	1	↑	1	16	7	13	45
York	0		0	/	9	14	/
Preston	*0		0	1	18	6	44
Kirton	0	↓	54	94	146	188	1123
Broom's Barn (nr Bury St Edmunds)	0		21	44	147	180	594
Wellesbourne	0	↓	2	6	185	186	329
Hereford	0	↓	0	3	43	107	114
Rothamsted (Harpenden)	*0	↓	9	35	143	143	405
Writtle	0	↓	2	23	315	170	667
Silwood Park (nr Ascot)	0	↓	0	1	45	54	118
Wye	0		7	3	163	57	277
Starcross (nr Exeter)	0		0	1	33	51	107

Single pea aphids were found at Newcastle and Gogarbank this week.

Black bean aphid ( <i>Aphis fabae</i> )	Bulletin Week Totals		31/07-06/08		Accumulated until		06/08
	2017	Compared to last Bulletin week	2016	10-year average 2007-16	2017	2016	10-year average 2007-16
Dundee	*2		13	29	4	27	77
Gogarbank (Edinburgh)	2		5	11	53	13	37
Newcastle	0	↓	0	19	18	1	42
York	0		0	/	110	0	/
Preston	*0		0	1	69	3	27
Kirton	0		0	6	46	8	198
Broom's Barn (nr Bury St Edmunds)	0		0	4	110	2	272

Wellesbourne	0		0	0	124	4	252
Hereford	0	↓	0	3	20	3	159
Rothamsted (Harpenden)	*1	↑	1	4	116	10	369
Writtle	0		1	5	89	6	322
Silwood Park (nr Ascot)	1	↑	0	0	15	14	87
Wye	0		0	0	28	7	138
Starcross (nr Exeter)	1	↑	0	0	268	226	112

The black bean aphid was caught in single figures at five sites this week.

## Further information

Please send information on crop aphids to: [mark-s.taylor@rothamsted.ac.uk](mailto:mark-s.taylor@rothamsted.ac.uk)

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

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