

New Castle

Field 1

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
29-Oct-15	emerge(1lf)	0	0	0	0	0	0	No
4-Nov-15	tillering	1	0	0	0	1	0	No
20-Nov-15	tillering	0	0	0	0	0	0	No
30-Nov-15	tillering	1	0	0	0	1	0	No
17-Mar-16	tillering	0	0	0	11	11	0	No
29-Mar-16	tillering	3	0	0	24	27	0	No

Field 2

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
14-Oct-15	emerge(1lf)	2	0	0	0	2	0	No
21-Oct-15	emerge(2lf)	1	0	0	7	8	0	No
29-Oct-15	tillering	0	0	0	31	31	0	No
6-Nov-15	tillering	0	0	0	0	0	0	No
11-Nov-15	tillering	0	0	0	1	1	0	No
20-Nov-15	tillering	0	0	0	0	0	0	No
30-Nov-15	tillering	0	0	0	0	0	0	No
16-Mar-17	tillering	0	0	0	0	0	0	No
29-Mar-16	joint	10	0	0	2	12	0	No

Field 3

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
21-Oct-15	emerge(1lf)	0	0	0	0	0	0	No
29-Oct-15	emerge(2lf)	0	2	0	0	2	0	No
4-Nov-15	tillering	2	0	0	8	10	0	No
11-Nov-15	tillering	2	3	0	0	5	0	No
20-Nov-15	tillering	1	0	0	1	2	0	No
30-Nov-15	tillering	7	0	0	9	16	0	No
17-Mar-16	tillering	4	0	0	17	21	0	No
29-Mar-16	tillering	12	0	0	51	63	0	No

Field 4

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
29-Oct-15	emerge(1lf)	0	1	0	0	1	0	No
4-Nov-15	emerge(1lf)	0	0	0	0	0	0	No
11-Nov-15	emerge(2lf)	1	2	0	3	6	0	No
20-Nov-15	tillering	1	0	0	11	12	0	No
8-Dec-15	tillering	5	0	0	7	12	0	No
17-Mar-16	tillering	1	0	0	33	34	0	No
29-Mar-16	tillering	12	0	0	149	161	0	No

Field 5

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
4-Nov-15	emerge (1lf)	0	0	0	0	0	0	No
11-Nov-15	emerge (1-2lf)	7	0	0	1	8	0	No
20-Nov-15	emerge(2lf)	0	0	2	0	2	0	No
30-Nov-15	emerge(3lf)	2	0	0	0	2	0	No
17-Mar-16	tillering	1	0	0	1	2	0	No
29-Mar-16	tillering	3	0	0	5	8	0	No

Field 6

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
11-Nov-15	emerge(1-2lf)	1	0	0	1	2	0	No
20-Nov-15	emerge(2lf)	0	0	0	0	0	0	No
30-Nov-15	tillering	0	0	0	3	3	0	No
25-Mar-16	tillering	15	0	0	48	63	0	No
1-Apr-16	tillering	24	0	0	60	84	0	No

Field 7

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
8-Oct-15	emerg(2lf)	3	0	0	0	3	0	No
14-Oct-15	emerg(2lf)	5	0	0	0	5	0	No
21-Oct-15	tillering	0	0	0	4	4	0	No
29-Oct-15	tillering	1	1	0	1	3	0	No
4-Nov-15	tillering	0	4	0	0	4	0	No
11-Nov-15	tillering	1	0	0	0	1	0	No
20-Nov-15	tillering	3	0	0	5	8	0	No
8-Dec-15	tillering	18	0	0	4	22	0	No
17-Mar-16	tillering	0	0	0	0	0	0	No
29-Mar-16	tillering	13	0	0	1	14	0	No

Field 8

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
21-Oct-15	emerge(1lf)	0	0	0	0	0	0	No
29-Oct-15	emerge(2lf)	0	0	0	0	0	0	No
4-Nov-15	tillering	0	0	0	0	0	0	No
11-Nov-15	tillering	0	0	0	1	1	0	No
30-Nov-15	tillering	0	0	0	0	0	0	No
17-Mar-16	tillering	0	2	0	0	2	0	No
29-Mar-16	tillering	1	0	0	4	5	0	No

Field 9

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
21-Oct-15	emerg(1lf)	0	0	0	0	0	0	No
29-Oct-15	emerge(1lf)	6	0	0	1	7	0	No
4-Nov-15	tillering	0	0	0	15	15	0	No
11-Nov-15	tillering	1	2	2	9	14	0	No
30-Nov-15	tillering	8	0	0	69	77	0	No
16-Mar-16	tillering	0	0	0	0	0	0	No
29-Mar-16	tillering	0	0	0	2	2	0	No

Kent County

Field 1

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
8-Oct-15	1-3 leaf	6	0	0	0	0	0	No
14-Oct-15	2 leaf	1	0	0	0	0	0	No
20-Oct-15	3 leaf	0	0	0	0	0	0	No
27-Oct-15	tillering	0	0	0	1	1	0	No
3-Nov-15	tillering	0	0	0	0	0	0	No
12-Nov-15	tillering	1	0	0	1	2	0	No
24-Nov-15	tillering	2	0	0	0	2	0	No
3-Dec-15	tillering	12	0	0	1	13	0	No
22-Mar-16	tillering	1	0	0	0	1	0	No
31-Mar-16	jointing	9	0	0	0	9	0	No

Field 2

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
8-Oct-15	1-3 leaf	0	0	0	0	0	0	No
14-Oct-15	2 leaf	0	0	0	0	0	0	No
20-Oct-15	3 leaf	0	0	0	0	0	0	No
27-Oct-15	3 leaf	0	0	0	0	0	0	No
3-Nov-15	tillering	0	0	3	8	11	0	No
12-Nov-15	tillering	0	0	0	10	10	0	No
18-Nov-15	tillering	0	0	0	8	8	0	No
24-Nov-15	tillering	1	0	0	39	40	0	No
3-Dec-15	tillering	21	0	0	38	59	0	No
22-Mar-16	tillering	17	2	1	9	29	0	No
4-Apr-16	jointing	23	0	0	26	49	0	No

Field 3

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
3-Nov-15	emergence	0	0	0	0	0	0	No
12-Nov-15	emerge(2lf)	0	0	0	1	1	0	No
18-Nov-15	emerged	0	0	0	0	0	0	No
24-Nov-15	tillering	0	0	0	0	0	0	No
3-Dec-15	tillering	0	0	0	0	0	0	No
22-Mar-16	tillering	4	0	0	0	4	0	No
31-Mar-16	jointing	5	0	0	10	15	0	No

Field 4

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
8-Oct-15	1-3 leaf	1	0	0	0	0	0	No
14-Oct-15	2 leaf	0	0	0	0	0	0	No
20-Oct-15	2 leaf	0	0	0	0	0	0	No
27-Oct-15	3 leaf	2	0	0	0	2	0	No
3-Nov-15	tillering	0	0	0	12	12	0	No
12-Nov-15	tillering	0	0	0	5	5	0	No
18-Nov-15	tillering	0	0	0	36	36	0	No
24-Nov-15	tillering	1	0	0	32	33	0	No
3-Dec-15	tillering	11	0	0	20	31	0	No
22-Mar-16	tillering	6	5	3	30	44	0	No
31-Mar-16	tillering-jointing	18	0	0	45	63	0	No

Field 5

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
14-Oct-15	1 leaf	0	0	0	0	0	0	No
20-Oct-15	2 leaf	1	0	0	5	6	0	No
27-Oct-15	3 leaf	0	0	0	17	17	0	No
3-Nov-15	tillering	1	0	0	5	6	0	No
12-Nov-15	tillering	1	0	0	42	43	0	No
24-Nov-15	tillering	0	0	0	1	1	0	No
3-Dec-15	tillering	0	0	0	4	4	0	No
22-Mar-16	tillering	2	0	0	0	2	0	No
31-Mar-16	tillering-jointing	7	0	0	10	17	0	No

Field 6

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
15-Oct-15	spike	0	0	0	0	0	0	No
20-Oct-15	1 Leaf	2	0	0	0	2	0	No
27-Oct-15	2-3 leaf	0	0	0	0	0	0	No
3-Nov-15	3 leaf	0	0	0	6	6	1	No
12-Nov-15	tillering	0	0	0	4	4	6	No
18-Nov-15	tillering	0	0	0	0	0	0	No
24-Nov-15	tillering	0	0	0	5	5	0	No
3-Dec-15	tillering	3	0	0	5	8	8	No
25-Mar-16	jointing	114	0	0	264	378	2	No
31-Mar-16	tillering	44	0	0	13	57	0	No

Field 7

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
15-Oct-15	Spike	0	1	0	1	0	0	No
20-Oct-15	1-2 leaf	1	0	0	0	1	0	No
27-Oct-15	2 leaf	0	0	0	4	4	0	No
3-Nov-15	tillering	0	0	0	13	13	0	No
12-Nov-15	tillering	2	0	0	45	47	0	No
18-Nov-15	tillering	2	2	0	34	38	0	No
24-Nov-15	tillering	1	0	0	94	95	0	No
3-Dec-15	tillering	5	0	0	161	166	0	No
22-Mar-16	tillering	1	0	0	6	7	0	No
31-Mar-16	jointing	6	0	0	6	12	0	No

Field 8

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
20-Oct-15	emergence	0	0	0	0	0	0	No
27-Oct-15	2 leaf	0	0	0	1	1	0	No
3-Nov-15	tillering	0	0	0	1	1	0	No
12-Nov-15	tillering	0	0	0	1	1	0	No
18-Nov-15	tillering	0	0	0	0	0	0	No
24-Nov-15	tillering	0	0	0	0	0	0	No
3-Dec-15	tillering	0	0	0	0	0	0	No
22-Mar-16	tillering	2	0	0	4	6	0	Yes
4-Apr-16	jointing	7	0	0	4	11	0	No

Field 9

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
4-Nov-15	1 leaf	1	0	0	0	1	0	No
11-Nov-15	tillering	1	0	0	2	3	0	No
24-Nov-15	tillering	1	0	0	0	1	0	No
30-Nov-15	tillering	1	0	0	0	1	0	No
22-Mar-16	tillering	1	0	0	9	10	0	No
29-Mar-16	tillering	0	0	0	15	15	0	Maybe

Field 10

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
27-Oct-15	spike	0	0	0	8	8	0	No
3-Nov-15	tillering	1	0	2	19	22	0	No
12-Nov-15	tillering	10	0	0	32	42	0	No
18-Nov-15	tillering	0	0	0	51	51	0	No
24-Nov-15	tillering	4	0	0	70	74	0	No
3-Dec-15	tillering	12	0	0	65	77	0	No
22-Mar-16	tillering	5	0	0	19	24	0	No
4-Apr-16	tillering	25	0	0	24	49	0	yellowing/ stunting

Field 11

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
3-Nov-15	emergence	1	0	0	0	1	0	No
12-Nov-15	emerge(1lf)	0	1	0	3	4	0	No
18-Nov-15	emerged	0	0	0	1	1	0	No
24-Nov-15	tillering	0	0	0	0	0	0	No
3-Dec-15	tillering	0	0	0	2	2	0	No
22-Mar-16	tillering	0	0	0	3	3	0	No
31-Mar-16	tillering	0	0	0	6	6	0	No

Field 12

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
3-Nov-15	1 leaf	1	0	0	0	1	0	No
12-Nov-15	tillering	0	0	0	1	1	0	No
18-Nov-15	tillering	0	0	0	0	0	0	No
24-Nov-15	tillering	0	0	0	0	0	0	No
3-Dec-15	tillering	0	0	0	0	0	0	No
22-Mar-16	tillering	0	0	0	6	6	0	yes
4-Apr-16	jointing	0	0	0	0	0	0	yes
4-Apr-16	jointing	0	0	0	0	0	0	yes
4-Apr-16	jointing	7	0	0	22	29	0	yes
4-Apr-16	jointing	0	0	0	3	3	0	yes

Sussex County

Field 1

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
15-Oct-15	1 leaf	1	1	0	0	0	0	No
23-Oct-15	3 leaf	2	0	0	2	4	1	No
30-Oct-15	3 leaf-tillering	1	0	0	15	16	0	No
6-Nov-15	tillering	0	1	0	8	9	1	No
13-Nov-15	tillering	4	0	0	13	17	1	No
20-Nov-15	tillering	1	0	0	58	59	0	No
23-Nov-15	tillering	8	0	0	43	51	0	No
4-Dec-15	tillering	3	0	0	59	62	0	No

Field 2

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
23-Oct-15	emergence	0	0	0	0	0	0	No
30-Oct-15	1 leaf	0	0	0	0	0	0	No
6-Nov-15	tillering	0	0	0	0	0	0	No
13-Nov-15	tillering	0	0	0	0	0	0	No
23-Nov-15	tillering	0	0	0	0	0	0	No
7-Dec-15	tillering	0	0	0	0	0	0	No
30-Mar-16	tillering	4	0	0	8	12	0	No
4-Apr-16	tillering	6	0	0	1	7	0	No

Field 3

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
30-Oct-15	1 leaf	0	0	0	0	0	0	No
6-Nov-15	1-2 leaf	0	0	0	1	1	0	No
13-Nov-15	tillering	0	0	0	4	4	0	No
23-Nov-15	tillering	2	0	0	5	7	0	No
7-Dec-15	tillering	3	0	0	0	3	0	No
25-Mar-16	tillering	5	0	0	53	58	0	No
4-Apr-16	jointing	3	0	0	38	41	0	No
4-Apr-16	jointing	6	0	0	13	19	0	No

Field 4

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
30-Oct-15		0	0	0	0	0	0	No
6-Nov-15	1-2 leaf	0	0	0	0	0	0	No
13-Nov-15	tillering	0	0	0	1	1	1	No
23-Nov-15	tillering	0	0	0	1	1	0	No
7-Dec-15	tillering	0	0	0	1	1	0	No
25-Mar-16	tillering	5	0	0	27	32	1	No
4-Apr-16	jointing	4	0	0	4	8	0	No

Field 5

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
6-Nov-15	1 leaf	1	1	0	3	5	0	No
13-Nov-15	2 leaf	0	0	0	0	0	0	No
23-Nov-15	tillering	0	0	0	0	0	0	No
7-Dec-15	tillering	0	0	0	0	0	0	No
25-Mar-16	tillering	1	1	0	0	2	0	No
4-Apr-16	jointing	0	0	0	2	2	0	No

Field 6

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
23-Oct-15	emergence	0	0	0	1	1	0	No
30-Oct-15	1 leaf	1	0	0	9	10	0	No
6-Nov-15	1-2 leaf	0	0	0	16	16	0	No
13-Nov-15	3 leaf	2	1	0	38	41	0	No
20-Nov-15	tillering	2	1	0	62	65	0	No
23-Nov-15	tillering	5	0	0	38	43	0	No
4-Dec-15	tillering	5	0	0	63	68	0	No
25-Mar-16	tillering	0	0	0	0	0	0	No
4-Apr-16	jointing	0	0	0	4	4	0	No

Field 7a

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
23-Oct-15	1 leaf	2	0	0	4	6	0	No
30-Oct-15	3 leaf	5	0	0	13	18	0	No
6-Nov-15	tillering	2	0	1	24	27	0	No
13-Nov-15	tillering	4	1	0	85	90	0	No
Treated								
23-Nov-15	tillering	1	0	0	1	2	0	No
4-Dec-15	tillering	1	0	0	0	1	0	No
25-Mar-16	tillering	2	0	0	2	4	0	No
31-Mar-16	tillering	3	0	0	4	7	0	No

Field 7b

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
4-Dec-15	tillering	21	0	0	264	285	0	No
25-Mar-16	tillering	13	0	0	33	46	0	No
31-Mar-16	tillering	22	0	0	23	45	0	No

Field 8a

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
23-Oct-15	emergence	0	0	0	0	1	0	No
30-Oct-15	3 leaf	0	0	0	38	38	0	No
31-Oct-15	SPRAYED FOR APHIDS with Warrior II at 1.92 oz Acre							
TREATED								
6-Nov-15	tillering	0	0	0	2	2	0	No
13-Nov-15	tillering	0	0	0	0	0	0	No
20-Nov-15	tillering	0	0	0	0	0	0	No
23-Nov-15	tillering	1	0	0	0	1	0	No
4-Dec-15	tillering	0	0	0	1	1		No
25-Mar-16	tillering	6	0	0	8	14	0	No
31-Mar-16	jointing	15	0	0	7	22	0	No

Field 8b

Sample Date	Growth Stage	Total Number of Aphids per 10 sites					WGM	BYDV Symptoms (Yes/No)
		BCO	CLA	GB	EGA	Total		
6-Nov-15	tillering	2	0	0	28	30	0	No
13-Nov-15	tillering	3	0	0	42	45	0	No
20-Nov-15	tillering	3	0	0	78	81	0	No
23-Nov-15	tillering	7	0	0	145	152	0	No
4-Dec-15	tillering	1	0	0	159	160	0	No
25-Mar-16	tillering	3	0	0	15	18	0	No
31-Mar-16	jointing	2	0	0	13	15	0	No