



WEEK ENDING

24th July 2017

Site	Activity report	Current status:
Ballymena	Low risk: Two unidentified aphids recorded during this period	
Ballymoney	Low risk: Two unidentified aphids recorded during this period	
Kilkeel	Low risk: No aphids recorded during this period	
Loughgall	Low risk: Only 2 <i>Aphis rumicus</i> recorded, not of PVY significance	
Rathfriland	Low risk: PVY score of 0.5 from 1 <i>Cavariella aegopodii</i>	
Strabane	Low risk: No aphids recorded during this period	

Key	LOW RISK	Low virus vector activity, no action required
	MODERATE RISK	Increased vigilance and monitoring of aphid populations required
	HIGH RISK	Severe risk of PVY transmission by aphids
	NO SAMPLE	No sample received for this location

Ballymena

Week ending:

Aphid Species	Common Name	PVY Index	29-May	05-Jun	12-Jun	19-Jun	26-Jun	03-Jul	10-Jul	17-Jul	24-Jul
<i>Cavariella aegopodii</i>	Willow-carrot Aphid	0.50			3	1.50		2	1.00		
<i>Rhopalosiphum padi</i>	Bird Cherry-Oat Aphid	0.40			1	0.40					
<i>Sitobion avenae</i>	Grain Aphid	0.60			1	0.60					
<i>Myzus persicae</i>	Peach-potato Aphid	1.00					1	1.00			
<i>Cavariella pastinacea</i>		0.00									
<i>Acyrtosiphon pisum</i>	Pea Aphid	0.70									
<i>Brachycaudus helichrysi</i>	Leaf-Curling Plum Aphid	0.21									
<i>Microlophium evansi</i>		0.00				1	0.00				
<i>Hyperomyzus lactucae</i>	Currant-sowthistle Aphid	0.16			1	0.16					
<i>Macrosiphum euphorbiae</i>	Potato Aphid	0.20			1	0.20	2	0.40			
<i>Drepanosiphum platanoides</i>	Sycamore Aphid	0.00			1	0.00					
<i>Sitobion fragariae</i>	Blackberry-cereal Aphid	0.00									
<i>Metopolophium dirhodum</i>	Rose-Grain Aphid	0.30			1	0.30		1	0.30		
<i>Aphis fabae</i>	Black-bean Aphid	0.10									
<i>Aphis rumicis</i>		0.00			2	0.00					
<i>Brevicoryne brassicae</i>	Cabbage Aphid	0.01			1	0.01					
<i>Capitophorus homi</i>		0.00									
<i>Capitophorus similis</i>		0.00									
<i>Phyllaphis fagi</i>		0.00									
<i>Chaitophorus populeti</i>		0.00									
<i>Rhopalosiphoninus staphyleae</i>		0.00									
<i>Cavariella theobaldi</i>		0.00			1	0.00					
<i>Euceraphis punctipennis</i>		0.00									
<i>Tuberculatus borealis</i>		0.00									
<i>Uromelan</i> spp.		0.00									
<i>Hyadaphis foeniculi</i>		0.00									
<i>Ovatus insitus</i>		0.00							3	0.00	
Others		0.00			3	0.00		2	0.00		2
Weekly Index			0.00	0.00	3.17	0.40	2.30	0.00	0.00	0.00	0.00
Cumulative Index			0.00	0.00	3.17	3.57	5.87	5.87	5.87	5.87	5.87

Kilkeel

Week ending:

Aphid Species	Common Name	PVY Index	29-May		05-Jun		12-Jun		19-Jun		26-Jun		03-Jul		10-Jul		17-Jul		24-Jul	
<i>Cavariella aegopodii</i>	Willow-carrot Aphid	0.50	2	1.00	2	1.00														
<i>Rhopalosiphum padi</i>	Bird Cherry-Oat Aphid	0.40	1	0.40			2	0.80												
<i>Sitobion avenae</i>	Grain Aphid	0.60																		
<i>Myzus persicae</i>	Peach-potato Aphid	1.00	1	1.00	2	2.00			7	7.00							1	1.00		
<i>Cavariella pastinacea</i>		0.00			2	0.00														
<i>Acyrtosiphon pisum</i>	Pea Aphid	0.70							1	0.70										
<i>Brachycaudus helichrysi</i>	Leaf-Curling Plum Aphid	0.21	2	0.42																
<i>Microlophium evansi</i>		0.00																		
<i>Hyperomyzus lactucae</i>	Currant-sowthistle Aphid	0.16																		
<i>Macrosiphum euphorbiae</i>	Potato Aphid	0.20					1	0.20												
<i>Drepanosiphum platanoides</i>	Sycamore Aphid	0.00																		
<i>Sitobion fragariae</i>	Blackberry-cereal Aphid	0.00																		
<i>Metopolophium dirhodum</i>	Rose-Grain Aphid	0.30																		
<i>Aphis fabae</i>	Black-bean Aphid	0.10																		
<i>Capitophorus similis</i>		0.00																		
<i>Aphis rumicus</i>		0.00							3	0.00										
<i>Brevicoryne brassicae</i>	Cabbage Aphid	0.01							4	0.04										
<i>Hyadahis foeniculi</i>		0.00																		
<i>Rhopalomyzus poae</i>		0.00																		
<i>Uromelan</i> spp.		0.00																		
<i>Acyrtosiphon primulae</i>		0.00																		
<i>Rhopalosiphoninus staphyleae</i>		0.00																		
<i>Hyalopterus pruni</i>		0.00																		
<i>Tetraneura ulmi</i>		0.00																		
<i>Anoecia</i> spp.		0.00																		
Others		0.00			4	0.00	4	0.00			1	0.00	2	0.00						
Weekly Index				2.82		3.00		1.00		7.74		0.00		0.00		0.00		1.00		0.00
Cumulative Index				2.82		5.82		6.82		14.56		14.56		14.56		14.56		15.56		15.56

Loughgall

Week ending:

Aphid Species	Common Name	PVY Index	29-May		05-Jun		12-Jun		19-Jun		26-Jun		03-Jul		10-Jul		17-Jul		24-Jul		
<i>Cavariella aegopodii</i>	Willow-carrot Aphid	0.50					1	0.50	11	5.50	67	33.50	5	2.50	10	5.00					
<i>Rhopalosiphum padi</i>	Bird Cherry-Oat Aphid	0.40					4	1.60													
<i>Sitobion avenae</i>	Grain Aphid	0.60																			
<i>Myzus persicae</i>	Peach-potato Aphid	1.00																			
<i>Cavariella pastinacea</i>		0.00					3	0.00													
<i>Acyrtosiphon pisum</i>	Pea Aphid	0.70																			
<i>Brachycaudus helichrysi</i>	Leaf-Curling Plum Aphid	0.21																			
<i>Microlophium evansi</i>		0.00					1	0.00													
<i>Hyperomyzus lactucae</i>	Currant-sowthistle Aphid	0.16					1	0.16													
<i>Macrosiphum euphorbiae</i>	Potato Aphid	0.20					18	3.60													
<i>Drepanosiphum platanoides</i>	Sycamore Aphid	0.00					1	0.00													
<i>Sitobion fragariae</i>	Blackberry-cereal Aphid	0.00																			
<i>Metopolophium dirhodum</i>	Rose-Grain Aphid	0.30													4	1.20					
<i>Aphis fabae</i>	Black-bean Aphid	0.10																			
<i>Capitophorus similis</i>		0.00							1	0.00											
<i>Aphis rumicus</i>		0.00					5	0.00	30	0.00			12	0.00	2	0.00				2	0.00
<i>Brevicoryne brassicae</i>	Cabbage Aphid	0.01									1	0.01									
<i>Cavariella theobaldi</i>		0.00							4	0.00											
<i>Tuberculatus annulatus</i>	Common-Oak Aphid	0.00							29	0.00	13	0.00									
<i>Amphorophora rubi</i>	Large Blackberry Aphid	0.00							14	0.00											
Others		0.00					9	0.00	2	0.00	35	0.00			2	0.00					
Weekly Index			0.00	0.00			5.86		5.50		33.51		2.50		6.20		0.00		0.00		
Cumulative Index			0.00	0.00			5.86		11.36		44.87		47.37		53.57		53.57		53.57		

Rathfriland

Week ending:

Aphid Species	Common Name	PVY Index	29-May		05-Jun		12-Jun		19-Jun		26-Jun		03-Jul		10-Jul		17-Jul		24-Jul	
<i>Cavariella aegopodii</i>	Willow-carrot Aphid	0.50		6	3.00	3	1.50				1	0.50			1	0.50			1	0.50
<i>Rhopalosiphum padi</i>	Bird Cherry-Oat Aphid	0.40		3	1.20	4	1.60													
<i>Sitobion avenae</i>	Grain Aphid	0.60																		
<i>Myzus persicae</i>	Peach-potato Aphid	1.00		3	3.00				1	1.00										
<i>Cavariella pastinacea</i>		0.00																		
<i>Acyrtosiphon pisum</i>	Pea Aphid	0.70									1	0.70								
<i>Brachycaudus helichrysi</i>	Leaf-Curling Plum Aphid	0.21					1	0.21												
<i>Microlophium evansi</i>		0.00					1	0.00												
<i>Hyperomyzus lactucae</i>	Currant-sowthistle Aphid	0.16					1	0.16												
<i>Macrosiphum euphorbiae</i>	Potato Aphid	0.20		2	0.40	1	0.20													
<i>Drepanosiphum platanoides</i>	Sycamore Aphid	0.00																		
<i>Sitobion fragariae</i>	Blackberry-cereal Aphid	0.00							1	0.00										
<i>Metopolophium dirhodum</i>	Rose-Grain Aphid	0.30		9	2.70	1	0.30	1	0.30											
<i>Aphis fabae</i>	Black-bean Aphid	0.10																		
<i>Aphis rumicus</i>		0.00							1	0.00										
<i>Brevicoryne brassicae</i>	Cabbage Aphid	0.01							1	0.01										
<i>Myzus ornatus</i>		0.00																		
<i>Macrosiphum rosae</i>		0.00																		
<i>Cavariella theobaldi</i>		0.00																		
<i>Hyadaphis foeniculi</i>		0.00																		
<i>Sipha glyceriae</i>		0.00																		
<i>Pemphigus spp.</i>																				
Others		0.00		23	0.00	4	0.00						2	0.00	1	0.00	4	0.00		
Weekly Index			0.00	10.30		3.97		1.31		1.20		0.00		0.50		0.00		0.00		0.50
Cumulative Index			0.00	10.30		14.27		15.58		16.78		16.78		17.28		17.28		17.28		17.78

Strabane

Week ending:

Aphid Species	Common Name	PVY Index	29-May	05-Jun	12-Jun	19-Jun	26-Jun	03-Jul	10-Jul	17-Jul	24-Jul	
<i>Cavariella aegopodii</i>	Willow-carrot Aphid	0.50			4	2.00						
<i>Rhopalosiphum padi</i>	Bird Cherry-Oat Aphid	0.40										
<i>Sitobion avenae</i>	Grain Aphid	0.60			2	1.20						
<i>Myzus persicae</i>	Peach-potato Aphid	1.00										
<i>Cavariella pastinacea</i>		0.00			1	0.00						
<i>Acyrtosiphon pisum</i>	Pea Aphid	0.70					6	0.42				
<i>Brachycaudus helichrysi</i>	Leaf-Curling Plum Aphid	0.21			1	0.21						
<i>Microlophium evansi</i>		0.00			23	0.00	15	0.00				
<i>Hyperomyzus lactucae</i>	Currant-sowthistle Aphid	0.16					1	0.16				
<i>Macrosiphum euphorbiae</i>	Potato Aphid	0.20			4	0.80						
<i>Drepanosiphum platanoides</i>	Sycamore Aphid	0.00										
<i>Sitobion fragariae</i>	Blackberry-cereal Aphid	0.00										
<i>Metopolophium dirhodum</i>	Rose-Grain Aphid	0.30					1	0.30				
<i>Aphis fabae</i>	Black-bean Aphid	0.10										
<i>Aphis rumicus</i>		0.00										
<i>Brevicoryne brassicae</i>	Cabbage Aphid	0.01										
<i>Phyllaphis fagi</i>		0.00										
<i>Cavariella theobaldi</i>		0.00										
<i>Megoura viciae</i>		0.00										
<i>Ovatus insitus</i>		0.00			7	0.00						
<i>Amphorophora rubi</i>	Large Blackberry Aphid	0.00					25	0.00				
<i>Uromelan</i> spp.		0.00					1	0.00				
<i>Acyrtosiphon primulae</i>		0.00					1	0.00				
Others		0.00			5	0.00	3	0.00	28	0.00	3	0.00
Weekly Index			0.00	0.00	4.21	0.00	0.88	0.00	0.00	0.00	0.00	
Cumulative Index			0.00	0.00	4.21	4.21	5.09	5.09	5.09	5.09	5.09	

Summary for the seven days up to and including 24/07/17

Region	Samples	Mean PVY Index per Sample	Mean Colonising Aphids per Sample	Mean Aphids per Sample	Total Aphids Species
Northern Ireland	6	0.08	0.17	1.17	3
North Scotland	10	1.21	0.8	4.8	17
Grampian	14	2.44	2.07	3.29	9
Angus & Perthshire	9	0.56	0.44	2.44	11
Borders	4	0.15	0	2.5	4
Northern England	3	1.17	0	20.67	6
Midlands	1	0.5	0	3	3
East Anglia	1	0	0	0	0
South-West	4	0.52	0	2.75	6
Total	48	0.76	0.44	4.73	34

NI PVY Index 24/07/17



NI Cumulative PVY Index 2017

