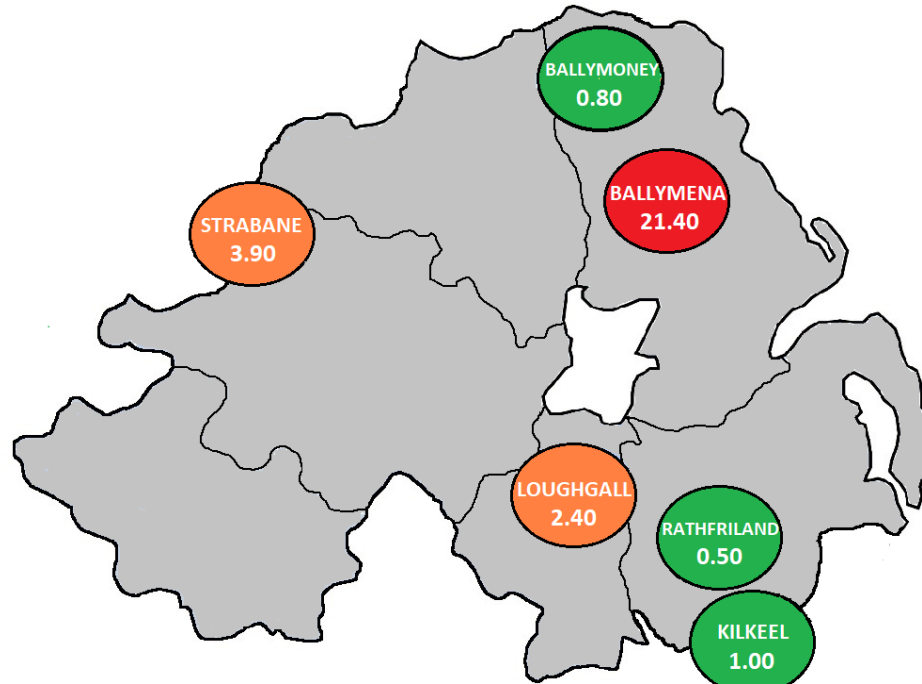


WEEK ENDING

30th August 2019 - Week 15

Site	Activity report	Current status:
Ballymena	High risk: Known vector species in trap this week are as follows; <i>Rhopalosiphum padi</i> (Bird cherry-oat aphid), <i>Macrosiphum euphorbiae</i> (Potato aphid), <i>Myzus persicae</i> (Peach-Potato aphid) and <i>Aphis fabae</i> (Black-bean aphid). <i>Myzus persicae</i> (Peach-potato aphid) and <i>Macrosiphum euphorbiae</i> (Potato aphid) are known colonisers - <i>Macrosiphum euphorbiae</i> is currently residing in the crop .	
Ballymoney	Low risk: Known vector species in trap this week are as follows; <i>Rhopalosiphum padi</i> (Bird cherry-oat aphid) and <i>Macrosiphum euphorbiae</i> (Potato aphid). <i>Macrosiphum euphorbiae</i> (Potato aphid) is a known coloniser and is currently residing in the crop .	
Kilkeel	Low risk: Known vector species in trap this week are as follows; <i>Myzus persicae</i> (Peach-Potato aphid). <i>Myzus persicae</i> (Peach-potato aphid) is a known coloniser.	
Loughgall	Moderate risk: Known vector species in trap this week are as follows; <i>Rhopalosiphum padi</i> (Bird cherry-oat aphid). No coloniser species seen in trap this week.	
Rathfriland	Low risk: Known vector species in trap this week are as follows; <i>Rhopalosiphum padi</i> (Bird cherry-oat aphid) and <i>Aphis fabae</i> (Black - bean aphid). No coloniser species seen in trap this week.	
Strabane	Moderate risk: Known vector species in trap this week are as follows; <i>Rhopalosiphum padi</i> (Bird cherry-oat aphid), <i>Macrosiphum euphorbiae</i> (Potato aphid) and <i>Aphis fabae</i> (Black-bean aphid). <i>Macrosiphum euphorbiae</i> is currently residing in the crop .	

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	24-May	31-May	07-Jun	14-Jun	21-Jun	28-Jun	05-Jul	12-Jul	19-Jul	26-Jul	02-Aug	09-Aug	16-Aug	23-Aug	30-Aug	06-Sep	13-Sep	20-Sep	Total PVY Index
<i>Cavariella aegopodii</i>	Willow-carrot Aphid	0.50		1 0.50		3 1.50		1 0.50	2 1.00		1 0.50										4.00
<i>Rhopalosiphum padi</i>	Bird Cherry-Oat Aphid	0.40		5 2.00	1 0.40	1 0.40		2 0.80	2 0.80					1 0.40	1 0.40	5 2.00	40 16.00				23.20
<i>Sitobion avenae</i>	Grain Aphid	0.60																			
<i>Myzus persicae</i>	Peach-potato Aphid	1.00							8 8.00		1 1.00		1 1.00	1 1.00		1 1.00	3 3.00				15.00
<i>Cavariella pastinacea</i>		0.00			1 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	1 0.00			2 0.00	1 0.00											
<i>Microlophium spp. (aptera)</i>		0.00															4 0.00				
<i>Hyperomyzus lactucae</i>	Currant-sowthistle Aphid	0.16						1 0.20													0.20
<i>Macrosiphum euphorbiae</i>	Potato Aphid	0.20		1 0.20											1 0.20	3 0.60	11 2.20				3.20
<i>Drepanosiphum platanoides</i>	Sycamore Aphid	0.00	6 0.00	3 0.00	1 0.00	1 0.00	2 0.00		5 0.00	2 0.00	3 0.00		5 0.00	2 0.00	1 0.00	2 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	2 0.60												1.20
<i>Aphis fabae</i>	Black-bean Aphid	0.10						1 0.10	1 0.10	2 0.20							2 0.20				0.60
<i>Aphis rumicis</i>		0.00															2 0.00				
<i>Aphis sambuci</i>		0.00							2 0.00		1 0.00										
<i>Brevicoryne brassicae</i>	Cabbage Aphid	0.01																			
<i>Myzus ornatus</i>	Violet Aphid	0.20													2 0.40	1 0.20					
<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>Rhopalosiphoninus ribesinus</i>		0.00															1 0.00				
<i>Macrosiphoniella abrotani</i>		0.00															1 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 spp.</i>		0.00																			
<i>Hyadaphis foeniculi</i>		0.00								1 0.00											
<i>Ovatus insitus</i>		0.00		1 0.00																	
<i>Acyrtosiphon loti</i>		0.00	2 0.00																		
<i>Acyrtosiphon spp.</i>		0.00												1 0.00							
<i>Rhopalosiphum insertum</i>		0.00				6 0.00															
<i>Rhopalosiphum tulipaellus</i>		0.00								1 0.00											
Others		0.00			1 0.00		1 0.00	2 0.00	1 0.00	1 0.00			1 0.00		1 0.00	1 0.00	4 0.00				
Weekly Index			0.30	2.70	0.40	1.90	0.00	1.90	10.50	0.20	1.50	0.00	1.00	1.40	1.00	3.80	21.40	0.00	0.00	0.00	48.00
Cumulative Index			0.30	3.00	3.40	5.30	5.30	7.20	17.70	17.90	19.40	19.40	20.40	21.80	22.80	26.60	48.00	48.00	48.00	48.00	48.00

Ballymoney

Week ending:

Aphid Species	Common Name	PVY Index	24-May	31-May	07-Jun	14-Jun	21-Jun	28-Jun	05-Jul	12-Jul	19-Jul	26-Jul	02-Aug	09-Aug	16-Aug	23-Aug	30-Aug	06-Sep	13-Sep	20-Sep	Total PVY Index	
<i>Cavariella aegopodii</i>	Willow-carrot Aphid	0.50	1	0.50	1	0.50	2	1.00														2.00
<i>Rhopalosiphum padi</i>	Bird Cherry-Oat Aphid	0.40	2	0.80	1	0.40								1	0.40	2	0.80	21	8.40	1	0.40	11.20
<i>Sitobion avenae</i>	Grain Aphid	0.60											1	0.60								0.60
<i>Myzus persicae</i>	Peach-potato Aphid	1.00		1				2	2.00	1	1.00											3.00
<i>Cavariella pastinacea</i>		0.00																				
<i>Acyrtosiphon pisum</i>	Pea Aphid	0.70																				
<i>Brachycaudus helichrysi</i>	Leaf-Curling Plum Aphid	0.21		1	0.21	3	0.63															0.84
<i>Microlophium evansi</i>		0.00		4	0.00	8	0.00	6	0.00	1	0.00	3	0.00									
<i>Microlophium spp. (aptera)</i>		0.00																				
<i>Hyperomyzus lactucae</i>	Currant-sowthistle Aphid	0.16	1	0.16		11	1.76								1	0.16						2.08
<i>Macrosiphum euphorbiae</i>	Potato Aphid	0.20		1	0.20																	0.60
<i>Drepanosiphum platanoides</i>	Sycamore Aphid	0.00									2	0.00	1	0.00				1	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													4	1.20			1.50
<i>Aphis fabae</i>	Black-bean Aphid	0.10																				
<i>Aphis rumicis</i>		0.00							1	0.00				1	0.00	3	0.00					
<i>Aphis pomi</i>		0.00									1	0.00										
<i>Brevicoryne brassicae</i>	Cabbage Aphid	0.01																				
<i>Capitophorus homi</i>		0.00																				
<i>Capitophorus similis</i>		0.00																				
<i>Phyllaphis faqi</i>		0.00																				
<i>Chaitophorus populeti</i>		0.00																				
<i>Rhopalosiphoninus staphyleae</i>		0.00																				
<i>Rhopalomyzus poae</i>		0.00							1	0.00												
<i>Thecabius affinis</i>		0.00														6	0.00					
<i>Cavariella theobaldi</i>		0.00																				
<i>Wahlgreniella vaccinii</i>		0.00								1	0.00											
<i>Cinara spp</i>		0.00								1	0.00											
<i>Euceraphis punctipennis</i>		0.00																				
<i>Tuberculatus borealis</i>		0.00																				
<i>Uromelen spp.</i>		0.00																				
<i>Hyadaphis foeniculi</i>		0.00																				
<i>Ovatus insitus</i>		0.00				3	0.00															
<i>Acyrtosiphon loti</i>		0.00	2	0.00																		
<i>Brachycaudus lychnidis</i>		0.00		1	0.00																	
Others		0.00	1	0.00	3	0.00	2	0.00		1	0.00	1	0.00									
Weekly Index			1.46	1.61	3.39	0.00	0.00	2.00	1.00	0.00	0.00	0.00	0.60	0.40	0.96	9.60	0.80	0.00	0.00	0.00		
Cumulative Index			1.46	3.07	6.46	6.46	6.46	8.46	9.46	9.46	9.46	9.46	10.06	10.46	11.42	21.02	21.82	21.82	21.82	21.82		21.82

Loughgall

Week ending:

Aphid Species	Common Name	PVY Index	24-May	31-May	07-Jun	14-Jun	21-Jun	28-Jun	05-Jul	12-Jul	19-Jul	26-Jul	02-Aug	09-Aug	16-Aug	23-Aug	30-Aug	06-Sep	13-Sep	20-Sep	Total PVY Index
<i>Cavariella aegopodii</i>	Willow-carrot Aphid	0.50		8 4.00						1 0.50	2 1.00			1 0.50							6.00
<i>Rhopalosiphum padi</i>	Bird Cherry-Oat Aphid	0.40	2 0.80	1 0.40										4 1.60	3 1.20	1 0.40	6 2.40				6.80
<i>Sitobion avenae</i>	Grain Aphid	0.60																			
<i>Myzus persicae</i>	Peach-potato Aphid	1.00	1 1.00			1 1.00															2.00
<i>Cavariella pastinacea</i>		0.00																			
<i>Acyrtosiphon pisum</i>	Pea Aphid	0.70		5 3.50						1 0.70											4.20
<i>Brachycaudus helichrysi</i>	Leaf-Curling Plum Aphid	0.21	6 1.26	15 3.15	2 0.42	1 0.21	12 2.52														7.56
<i>Microlophium evansi</i>		0.00	1 0.00																		
<i>Hyperomyzus lactucae</i>	Currant-sowthistle Aphid	0.16	2 0.32																		0.32
<i>Macrosiphum euphorbiae</i>	Potato Aphid	0.20		1 0.20																	0.20
<i>Drepanosiphum platanoides</i>	Sycamore Aphid	0.00															2 0.00				
<i>Sitobion fragariae</i>	Blackberry-cereal Aphid	0.00																			
<i>Metopolophium dirhodum</i>	Rose-Grain Aphid	0.30		1 0.30																	0.30
<i>Aphis fabae</i>	Black-bean Aphid	0.10																			
<i>Capitophorus similis</i>		0.00																			
<i>Aphis rumicus</i>		0.00						1 0.00	2 0.00	7 0.00		1 0.00	1 0.00	2 0.00	1 0.00		2 0.00				
<i>Brevicoryne brassicae</i>	Cabbage Aphid	0.01																			
<i>Cavariella theobaldi</i>		0.00																			
<i>Tuberculatus annulatus</i>	Common-Oak Aphid	0.00																			
<i>Amphorophora rubi</i>	Large Blackberry Aphid	0.00																			
<i>Chaitophorus truncatus</i>		0.00								1 0.00											
<i>Dactynotus spp.</i>		0.00																			
<i>Thecabius affinis</i>		0.00												1 0.00		1 0.00					
<i>Macrosiphoniella persequens</i>		0.00		1 0.00																	
<i>Anoecia spp.</i>		0.00									1 0.00		1 0.00	1 0.00							
<i>Uromelan spp.</i>		0.00						1 0.00													
<i>Myzus cerasi</i>		0.00		1 0.00																	
<i>Tuberculoides neglectus</i>		0.00			1 0.00																
Others		0.00	2 0.00				1 0.00								1 0.00						
Weekly Index			0.00	10.88	4.05	1.42	0.21	2.52	0.00	1.20	1.00	0.00	0.00	2.10	1.20	0.40	2.40	0.00	0.00	0.00	27.38
Cumulative Index			0.00	10.88	14.93	16.35	16.56	19.08	19.08	20.28	21.28	21.28	21.28	23.38	24.58	24.98	27.38	27.38	27.38	27.38	27.38

Strabane

Week ending:

Aphid Species	Common Name	PVY Index	24-May	31-May	07-Jun	14-Jun	21-Jun	28-Jun	05-Jul	12-Jul	19-Jul	26-Jul	02-Aug	09-Aug	16-Aug	23-Aug	30-Aug	06-Sep	13-Sep	20-Sep	Total PVY Index
<i>Cavariella aegopodii</i>	Willow-carrot Aphid	0.50			1	0.50		2	1.00												1.50
<i>Rhopalosiphum padi</i>	Bird Cherry-Oat Aphid	0.40		1	0.40	2	0.80							1	0.40		5	2.00	9	3.60	8.00
<i>Sitobion avenae</i>	Grain Aphid	0.60																			
<i>Myzus persicae</i>	Peach-potato Aphid	1.00																			
<i>Myzus ornatus</i>		0.20													1	0.20					
<i>Cavariella pastinacea</i>		0.00											1	0.00	4	0.00					
<i>Acyrtosiphon pisum</i>	Pea Aphid	0.70																			
<i>Brachycaudus helichrysi</i>	Leaf-Curling Plum Aphid	0.21		1	0.21	1	0.21														0.42
<i>Microlophium evansi</i>		0.00		2	0.00	8	0.00	21	0.00	6	0.00	17	0.00								
<i>Hyperomyzus lactucae</i>	Currant-sowthistle Aphid	0.16					5	0.80		1	0.16										0.96
<i>Macrosiphum euphorbiae</i>	Potato Aphid	0.20												1	0.20		1	0.20			0.60
<i>Drepanosiphum platanoides</i>	Sycamore Aphid	0.00								4	0.00	2	0.00				2	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						0.60
<i>Aphis fabae</i>	Black-bean Aphid	0.10																		1	0.10
<i>Aphis rumicus</i>		0.00																			
<i>Aphis pomi</i>		0.00											1	0.00	1	0.00					
<i>Brevicoryne brassicae</i>	Cabbage Aphid	0.01																			0.01
<i>Myzus ornatus</i>	Violet Aphid	0.20															1	0.20			
<i>Phyllaphis fagi</i>		0.00																			
<i>Cavariella theobaldi</i>		0.00																			
<i>Megoura viciae</i>		0.00																			
<i>Ovatus insitus</i>		0.00																			
<i>Amphorophora rubi</i>	Large Blackberry Aphid	0.00								2	0.00										
<i>Nasonovia ribisnigri</i>		0.00																			
<i>Uromelan spp.</i>		0.00																			
<i>Acyrtosiphon primulae</i>		0.00																			
<i>Rhopalosiphoninus ribesinus</i>		0.00			1	0.00				1	0.00										
<i>Kaltenbachiella pallida</i>		0.00			1	0.00				1	0.00			1	0.00						
<i>Capitophorus homi</i>		0.00								1	0.00										
<i>Acyrtosiphon loti</i>		0.00		2	0.00																
Others		0.00		3	0.00	1	0.00	3	0.00												
Weekly Index			0.00	0.61	1.51	0.80	1.00	0.86	0.40	0.00	0.20	0.30	0.00	0.41	0.20	2.40	3.90	0.00	0.00	0.00	12.59
Cumulative Index			0.00	0.61	2.12	2.92	3.92	4.78	5.18	5.18	5.38	5.68	5.68	6.09	6.29	8.69	12.59	12.59	12.59	12.59	

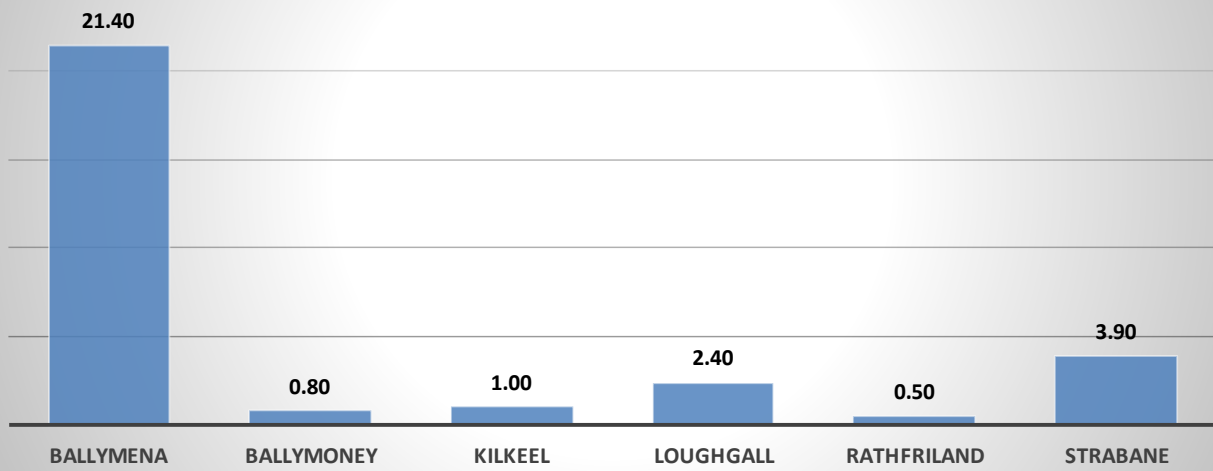
Summary for the seven days up to and including 30/08/19

Region	Samples	Mean PVY Index per Sample	Mean Colonising Aphids per Sample	Mean Aphids per Sample	Total Aphids Species
Northern Ireland	6	5.00	3	16.67	10
North Scotland					
Grampian					
Angus & Perthshire					
Borders					
Northern England					
Midlands					
East Anglia					
South-West					
TOTAL	6	5.00	3	16.67	10

No samples from this point on from England and Scotland as crops dessicated ready for harvest

Northern Ireland WEEKLY Virus Threat 2019

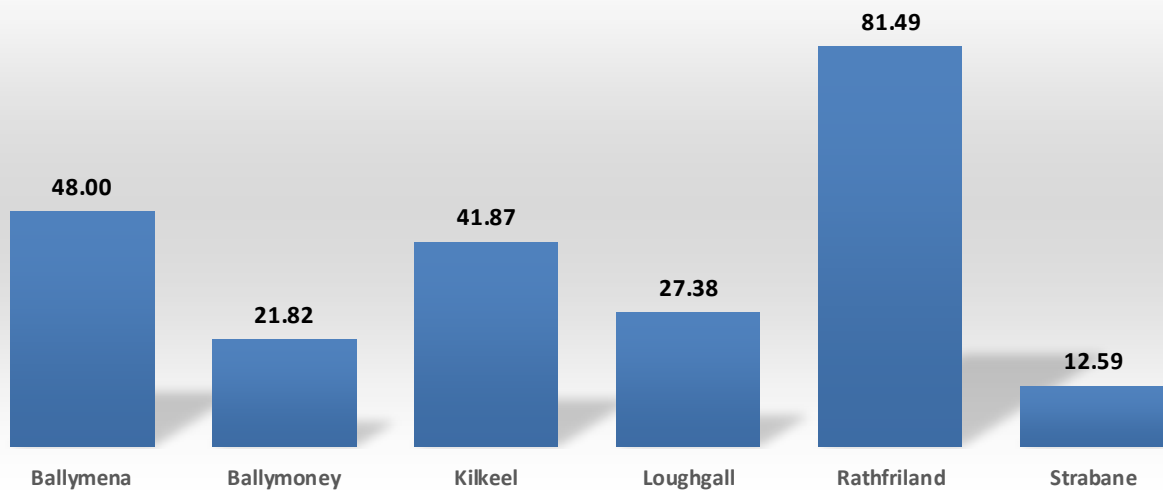
NI PVY Index 30/08/2019



Ballymena	Ballymoney	Kilkeel	Loughgall	Rathfriland	Strabane
21.40	0.80	1.00	2.40	0.50	3.90

Northern Ireland TOTAL Virus Threat 2019

NI Cumulative PVY Index 2019



Ballymena	Ballymoney	Kilkeel	Loughgall	Rathfriland	Strabane
48.00	21.82	41.87	27.38	81.49	12.59