

ADAMA

Dimethomorph Monitoring Europe Results
2016



Sensitivity of *Phytophthora infestans* in field samples from
different regions of Europe towards Dimethomorph

Dimethomorph Monitoring Europe 2016



Country	Locations
Netherlands	4
Belgium	2
Germany	2
France	3
UK	4
Denmark	1
Sweden	2
Spain	2
Portugal	2
Greece	2
Samples	24
Total Isolates	153

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Source: Batchgeo

May 17, 2017

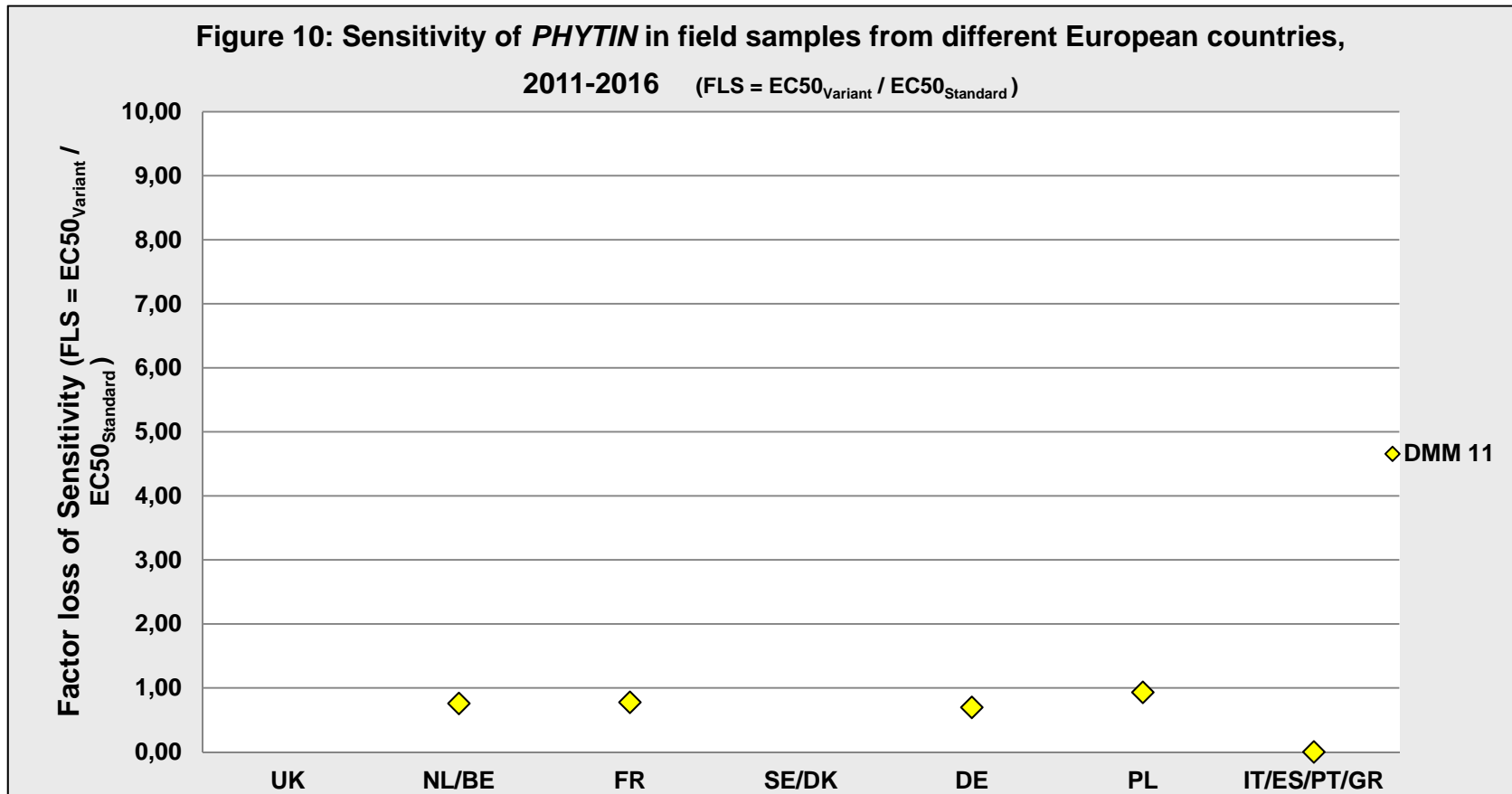
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Sensitivity of PHYTIN in field samples from different regions of Europe towards DMM, 2016

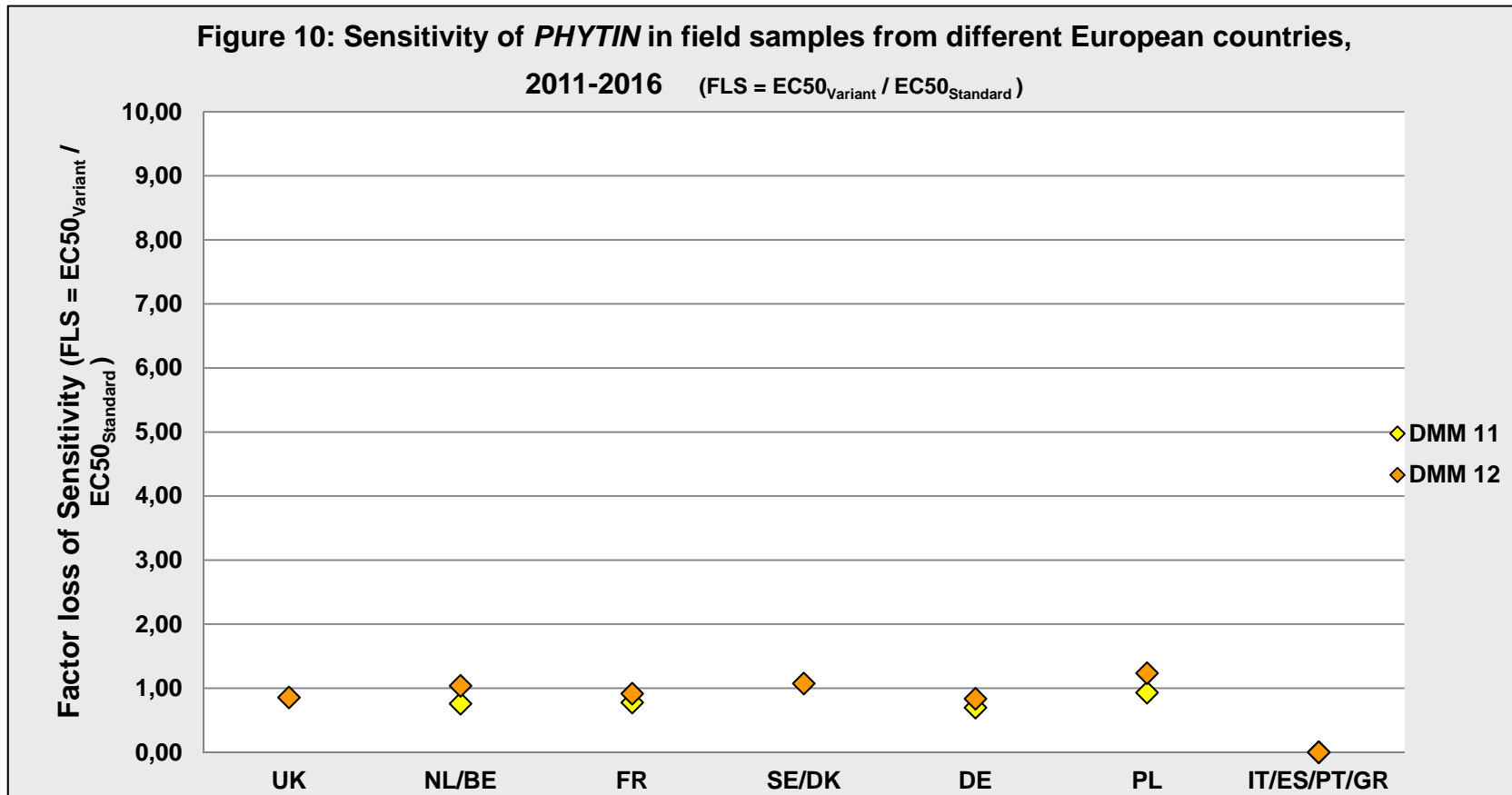
EpiLogic sample-ID	Department / county / next town	n	MEC50	EC50min	EC50max
Ireland					
Pi-AD-021	Carlow	NR			
United Kingdom					
Pi-AD-010	Lancashire	10	3,30	2,47	4,90
Pi-AD-012	Derbyshire	10	3,81	1,73	5,48
Pi-AD-022	Nottinghamshire	10	6,94	5,48	9,32
Pi-AD-024	Lincolnshire	NR			
Netherlands					
Pi-AD-017	Borger-Odoorn	6	3,23	2,47	3,83
Pi-AD-018	Lelystad	6	3,40	2,21	5,48
Pi-AD-020	Doesburg	5	4,59	3,39	5,92
Pi-AD-019	Cuijk	6	5,88	5,16	7,78
Belgium					
Pi-AD-008	Hennegau	4	6,10	3,39	8,86
Pi-AD-009	Hennegau	NR			
France					
Pi-AD-011	Sarthe	10	2,59	1,94	3,57
Pi-AD-007	Somme	NR			
Pi-AD-023	Somme	NR			
Sweden					
Pi-AD-015		10	4,70	2,47	6,96
Pi-AD-014		NR			
Denmark					
Pi-AD-013		10	3,94	2,33	5,92
Germany					
Pi-AD-016	Vechta	7	2,75	1,92	3,83
Pi-AD-006	Viersen	8	3,28	2,33	3,83
Portugal					
Pi-AD-003	Braga	4	3,41	2,70	4,78
Pi-AD-025	Leiria	7	3,18	1,94	5,48
Spain					
Pi-AD-004	Pontevedra	10	3,30	2,85	4,78
Pi-AD-005	Pontevedra	10	3,35	1,73	5,07
Greece					
Pi-AD-001	Elis	10	3,71	2,47	4,90
Pi-AD-002	Elis	10	3,93	1,84	5,92

MEC50: Mean EC50 of the sample (geometric mean); EC50min: Lowest EC50 in the sample; EC50max: highest EC50

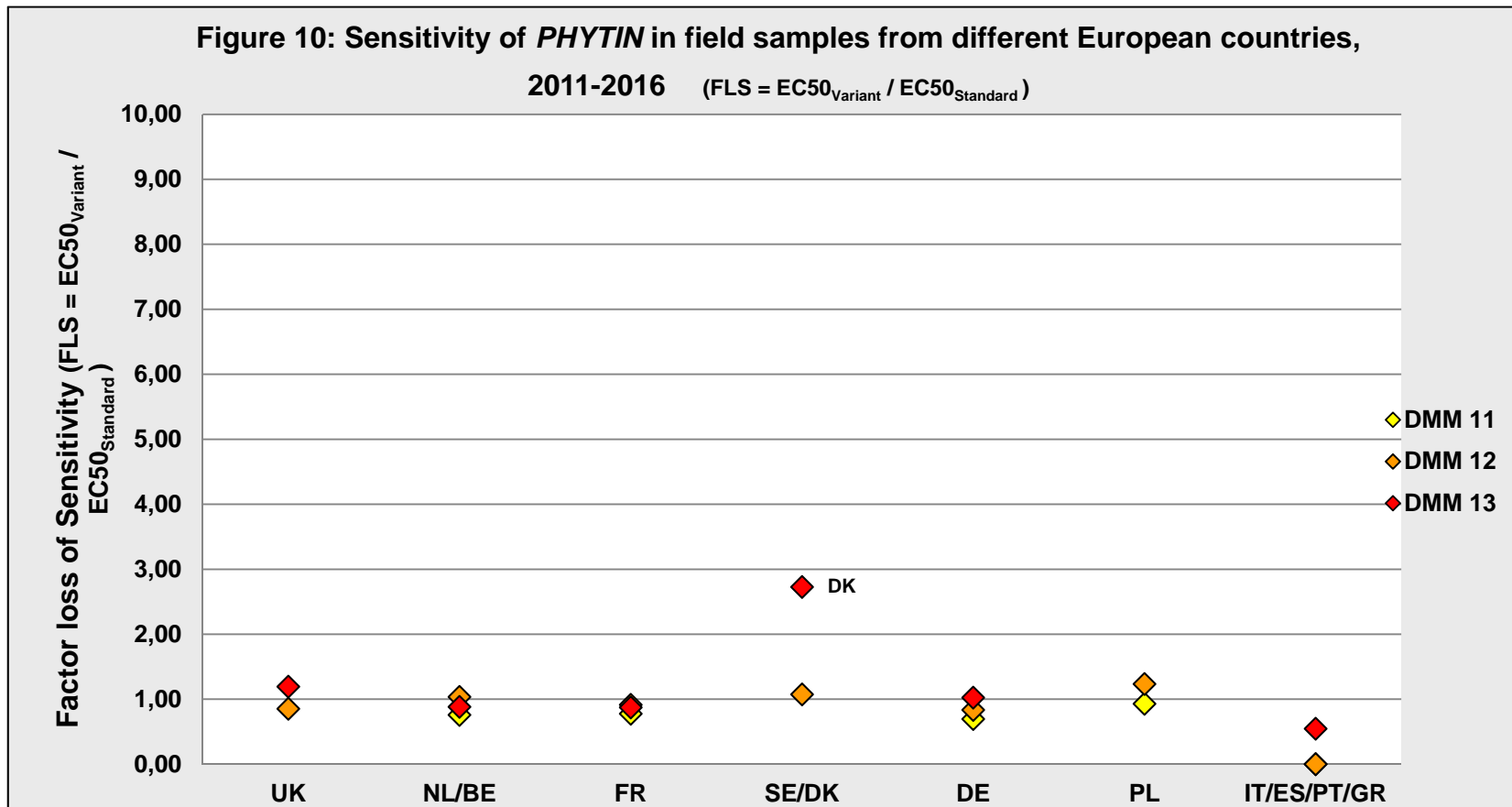
Sensitivity of PHYTIN to Dimethomorph



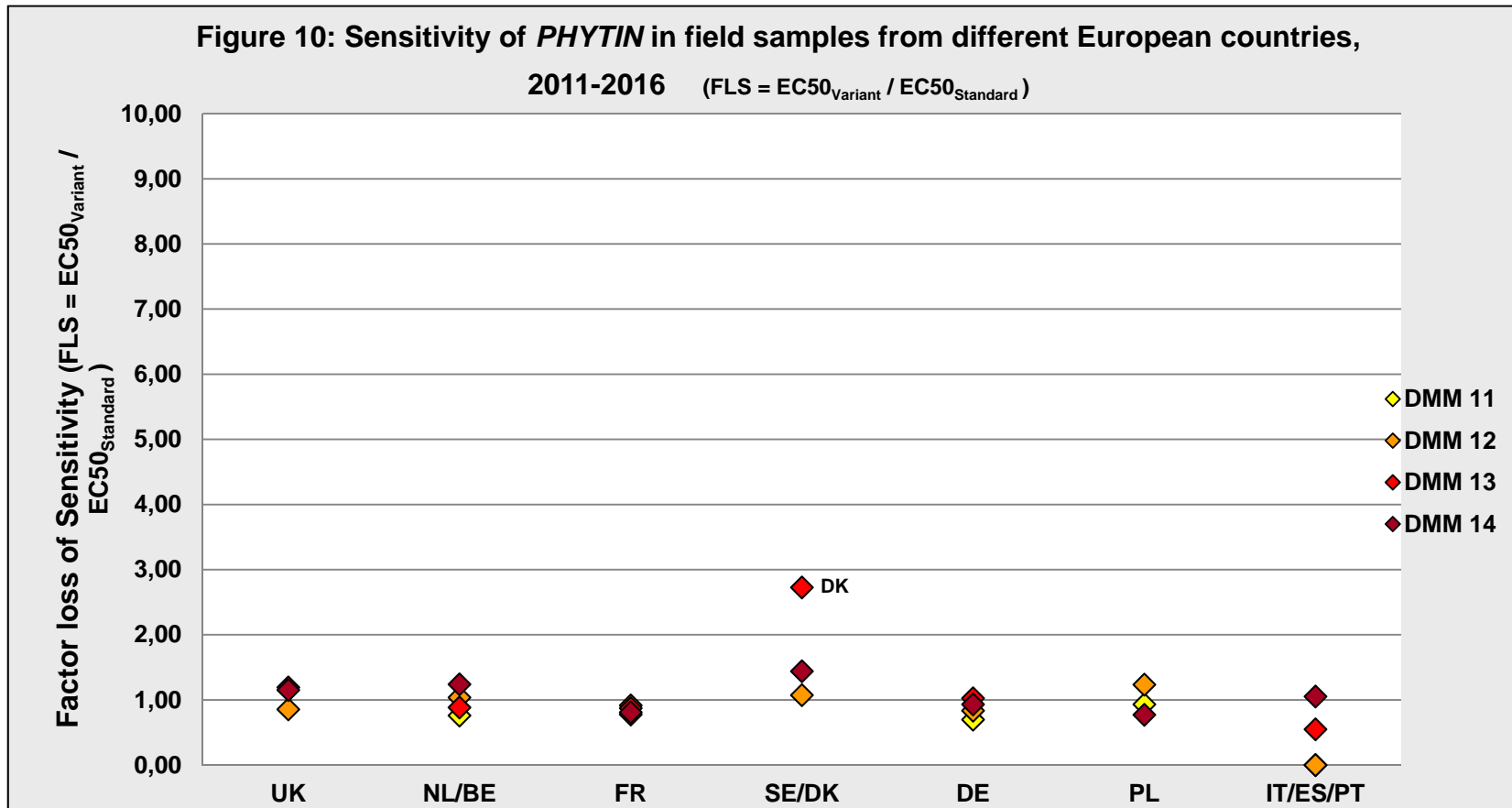
Sensitivity of PHYTIN to Dimethomorph



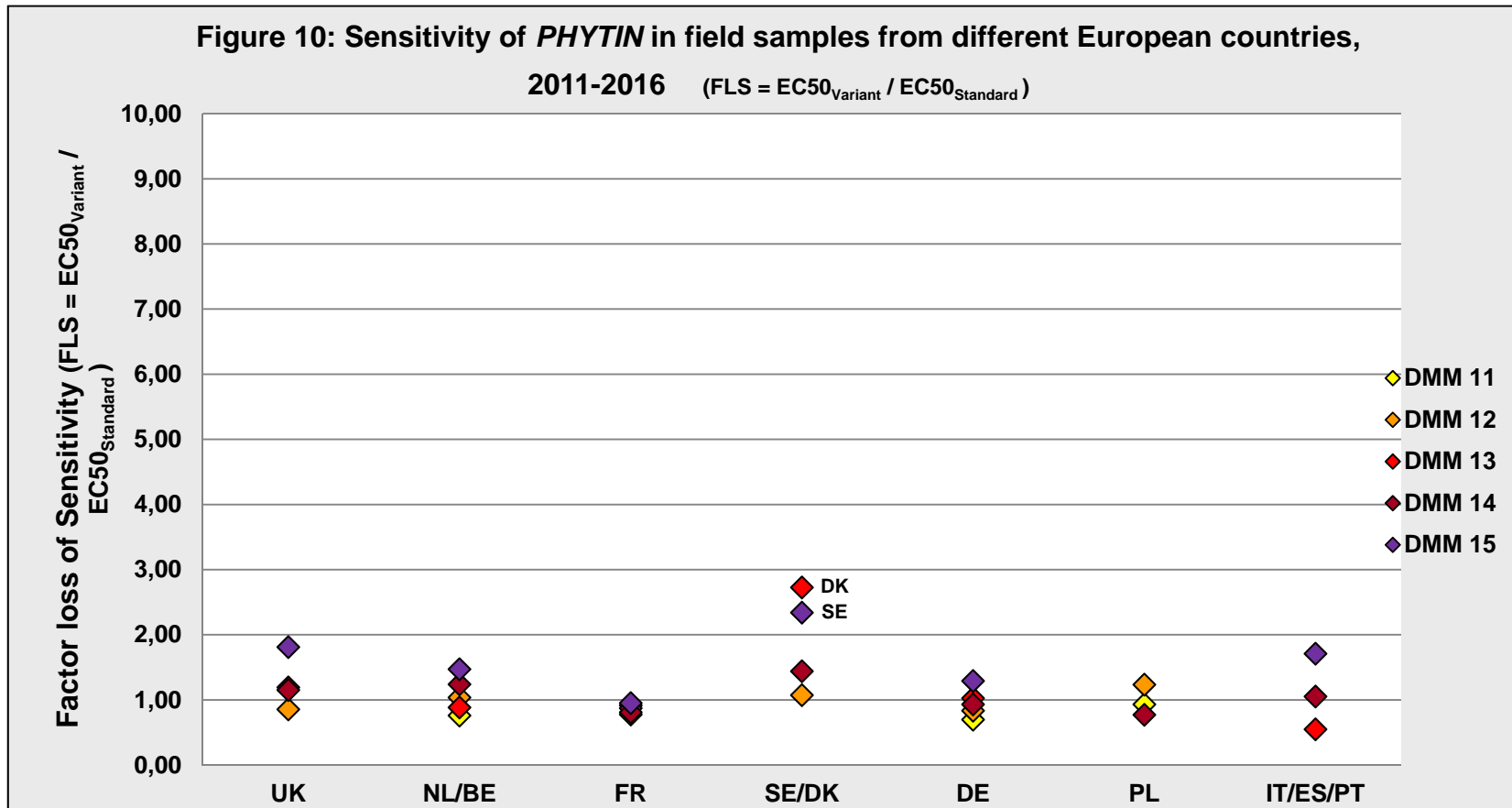
Sensitivity of PHYTIN to Dimethomorph



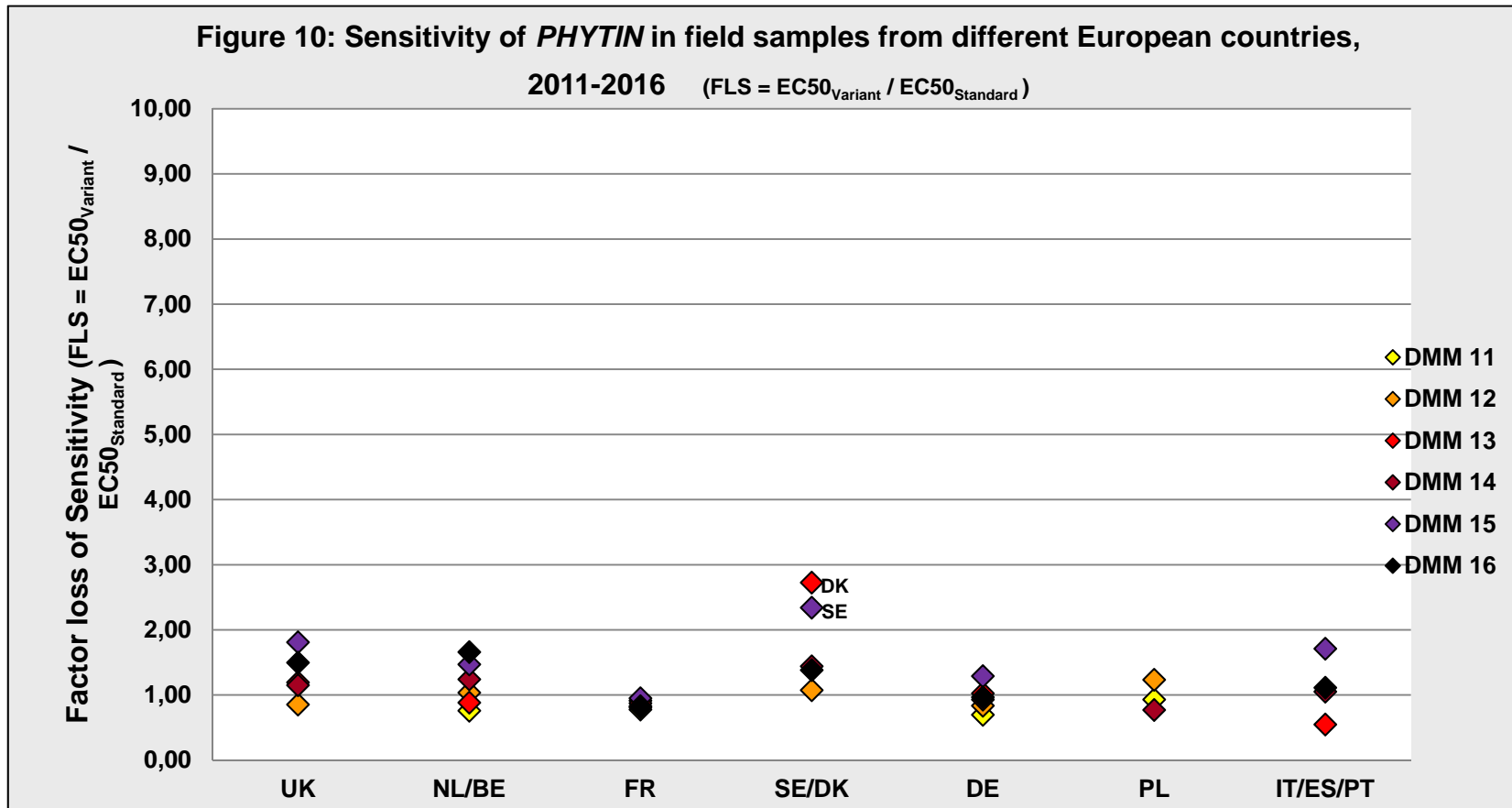
Sensitivity of PHYTIN to Dimethomorph



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PHYTIN – Summary:

- In total 24 samples were sent to EPILOGIC to be analyzed.
- The highest MEC50 value was calculated from an UK sample with 6,94 mg/l a.i., the highest EC50max with 9,32 mg/l a.i. was found in the same isolate in United Kingdom.
- the EC50 of the sensitive standard is 3,35 mg/l a.i.
- Compared to 2015 data no significant change of EC50 values



In all samples *Phytophthora infestans* showed full sensitivity against Dimethomorph

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Thank you
Olaf van Campen

May 17, 2017