

CABBAGE ROOT FLY

In partnership with



THE UNIVERSITY OF
WARWICK

CABBAGE ROOT FLY FORECASTS – 3 April 2015

The forecast outputs below are based on weather data collected by Plantsystems Limited and funded by Syngenta. The forecasts predict the timing of fly activity. They do not predict the number of insects present in the crop, as this depends on the size of the local fly population. For control purposes, we consider that the pest has become active when 10% of the insects have emerged/laid eggs and that the peak of activity has occurred when 50% have emerged/laid eggs.

These forecasts are for 'early-emerging' cabbage root flies. There are some areas of the UK where a proportion of the cabbage root flies emerge later in the spring than would be expected. We call these 'late emerging' flies and they are genetically different from 'early-emerging' flies. Relatively large numbers of late-emerging flies occur in some parts of Devon and south-west Lancashire. Forecasts for late-emerging flies in these regions will be provided later.

Once they have emerged, female cabbage root flies require a bit of time to feed, mate and mature their eggs. This is equivalent to about 80 day-degrees above 6°C.

Region	First generation	First generation
	Forecast 10% emergence	Forecast 10% egg-laying
Cornwall (Newquay)	2 April	26 April
Kent (Sittingbourne)	5 April	29 April
Suffolk (Woodbridge)	4 April	27 April
Wellesbourne (Warwick)	8 April	28 April
Norfolk (Norwich)	15 April	2 May
South Lincolnshire (Boston)	11 April	30 April
Nottingham (Billsthorpe)	19 April	6 May
Lancashire (Ormskirk)	18 April	4 May
York (Market Weighton)	22 April	7 May
Scotland (Blairgowrie)	22 April	7 May

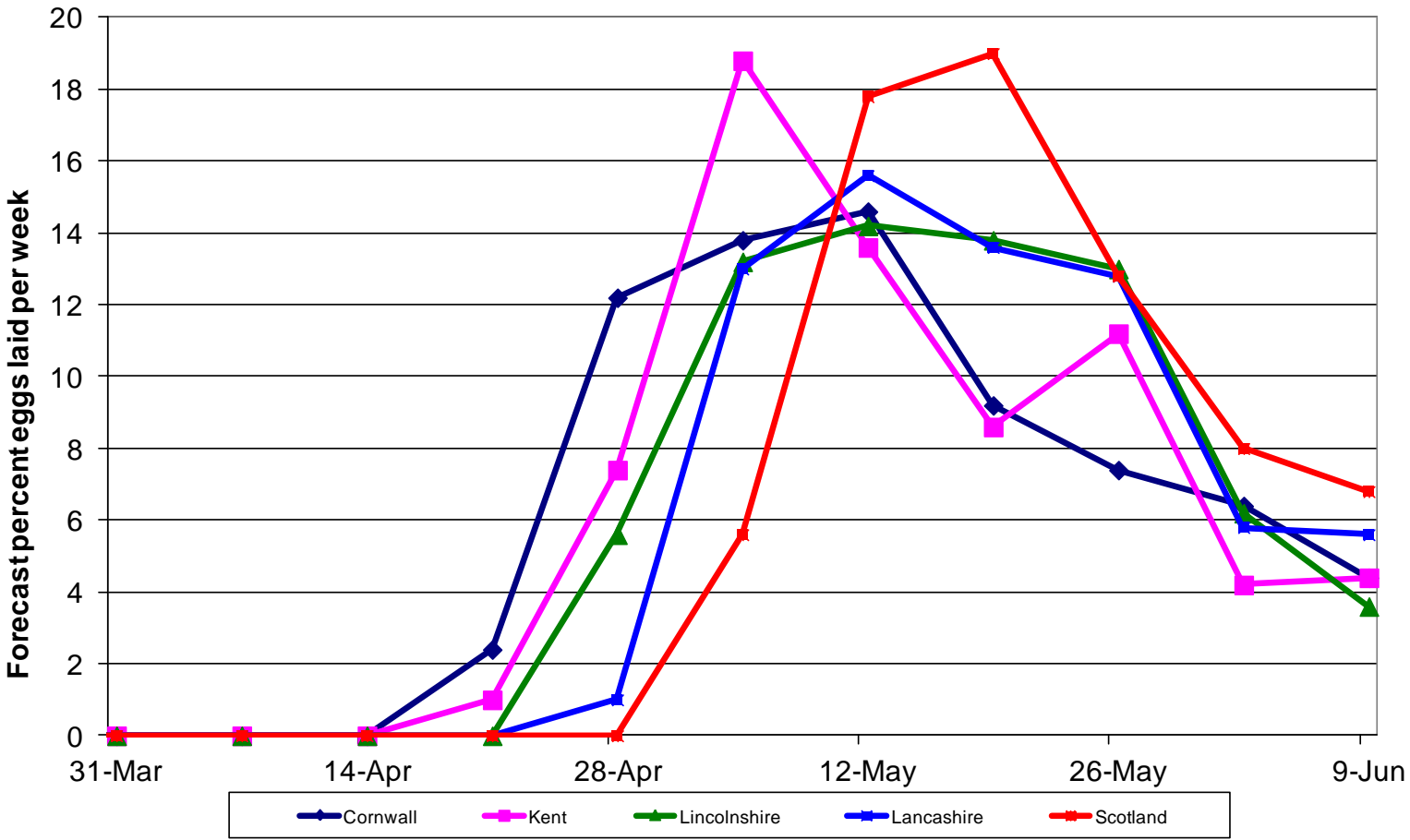
This graph shows the forecast pattern of egg-laying in 2015 for 5 sites from the table above.

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This graph shows the forecast pattern of egg-laying in 2015 at Wellesbourne.

