



LARGE NARCISSUS FLY FORECASTS

syngenta in partnership with



25 June 2020

The large narcissus fly forecasts predict the timing of narcissus 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.

Once they have emerged, adult large narcissus flies need warm sunny days to mate and lay their eggs. Provided these conditions occur, egg-laying will start 4-5 days after emergence at the earliest. Mating, and therefore egg-laying, will be delayed if air temperatures are lower than the activity threshold, which is close to 20°C. The period between egg-laying and egg hatching, after which the larvae invade bulbs, will be about 9-11 days depending on temperatures.

Forecasts for 2020

Region	Forecast 10% emergence	Forecast 50% emergence	Forecast 10% egg-laying	Forecast 10% egg-hatch	Forecast 50% egg-hatch
Cornwall (Newquay)	9 May	10 June	13 May	17 June	3 July
Wellesbourne	18 May	25 May	22 May	30 May	8 June
Norfolk (Norwich)	30 May	9 June	4 June	18 June	26 June
South Lincolnshire (Boston)	24 May	1 June	29 May	10 June	18 June
Scotland (Blairgowrie)	5 July	14 July	-	-	-