

GUIDE TO THE USE OF PHEROMONES

Storage of Pheromones

Prior to despatch your pheromones have been stored in a deep freeze. Stored in a deep freeze (at approximately minus 25C) the pheromones should keep for two or three years. Each pheromone should be kept separate to avoid cross-contamination and possible loss of effectiveness.

Which Pheromone to Use

The full set of Biota Pheromones contains nine different lures. The nine pheromones are:

Hornet Moth	<i>Sesia apiformis</i>	api
Dusky Clearwing	<i>Paranthrene tabaniformis</i>	tab
Currant Clearwing	<i>Synanthedon tipuliformis</i>	tip
Yellow-legged Clearwing	<i>S. vespiformis</i>	ves
Welsh Clearwing	<i>S. scoliaeformis</i>	sco
Red-belted Clearwing	<i>S. myopaeformis</i>	myo
Large Red-belted Clearwing	<i>S. culiciformis</i>	cul
Red-tipped Clearwing	<i>S. formiciformis</i>	for
	<i>Pennisetia hylaeiformis</i>	hyl

Used individually or in a combination, the pheromones can be used to attract 14 of the UK's 15 Clearwings.

SPECIES		PHEROMONE
Hornet Moth	<i>Sesia apiformis</i>	api
Lunar Hornet Moth	<i>Sesia bembeciformis</i>	None
Dusky Clearwing	<i>Paranthrene tabaniformis</i>	tab
Currant Clearwing	<i>Synanthedon tipuliformis</i>	tip
Yellow-legged Clearwing	<i>Synanthedon vespiformis</i>	ves, ves+hyl, ves+tab
White-barred Clearwing	<i>Synanthedon spheciformis</i>	tip
Welsh Clearwing	<i>Synanthedon scoliaeformis</i>	sco
Sallow Clearwing	<i>Synanthedon flaviventris</i>	myo+tip
Orange-tailed Clearwing	<i>Synanthedon andrenaeformis</i>	ves
Red-belted Clearwing	<i>Synanthedon myopaeformis</i>	myo, myo+api
Red-tipped Clearwing	<i>Synanthedon formiciformis</i>	for, myo, tip, tip+ves, myo+tip+ves
Large Red-belted Clearwing	<i>Synanthedon culiciformis</i>	cul, myo
Six-belted Clearwing	<i>Bembecia ichneumoniformis</i>	api
Thrift Clearwing	<i>Synansphecica muscaeformis</i>	hyl
Fiery Clearwing	<i>Pyropteron chrysidiformis</i> *	myo, myo+tab, myo+api, myo+tab+api

*Note that the Fiery Clearwing is fully protected under the Wildlife and Countryside Act (1981), Schedule 5. It is an offence to kill, capture or disturb the species unless under license.

How to use the Pheromones

The pheromones should be hung in net bags and secured to a branch in the area to be surveyed. It is not recommended that combinations other than those listed above are used and if different combinations are to be used for different species, the pheromones should be at least 10 metres apart. If using the rubber bung lures, then a small hole should be pricked into the pheromone bung, as the bungs are impregnated with the pheromone. Do **not** remove caps from the tube type pheromones, these contain the pheromone which is slowly released through the plastic vial which is semi-permeable. Removal of the lid will result in total loss of the pheromone.

FLIGHT PERIODS AND LARVAL FOODPLANTS

SPECIES	M	J	J	A	S	MONTH	FOODPLANT
Hornet Moth						VI, VII	Poplars, incl. Black Poplar
Lunar Hornet Moth							
Dusky Clearwing						VI; VII	Poplar? Aspen?
Currant Clearwing						VI; VII	Black Currant, Red Currant, Gooseberry
Yellow-legged Clearwing						VI-VIII	Oak
White-barred Clearwing						VI-VIII	Alder and Birch
Welsh Clearwing						VI; VII	Old Birch
Sallow Clearwing						VII	Sallow
Orange-tailed Clearwing						V-VII	Wayfaring Tree and Guelder Rose
Red-belted Clearwing						VI-VII	Fruit trees
Red-tipped Clearwing						VI-VIII	Osier, Willow and Sallow
Large Red-belted Clearwing						V-VI	Birch trees and stumps
Six-belted Clearwing						VI-VIII	Bird's-foot Trefoil and Kidney Vetch
Thrift Clearwing						VI-VII	Thrift
Fiery Clearwing						VI-VII	Docks and Sorrel