

Forest Research and Forestry  
Commission Learning &  
Development

Invite You To

## ***HYLOBIUS* MANAGEMENT SUPPORT SYSTEM TRAINING DAY**

4<sup>th</sup> August 2008

Ae Management Training  
Centre, Ae Village, Dumfries,  
DG1 1QB

### ***HYLOBIUS MANAGEMENT SUPPORT SYSTEM***

The *Hylobius* Management Support System is designed to help foresters predict and reduce damage and costs due to large pine weevil, *Hylobius abietis*, in upland spruce and pine plantations. The training course will help foresters develop an understanding, in a simple and straightforward way, of how *Hylobius* populations behave on the site and when they will leave it. Armed with this information and the new management support system, they can then devise site-specific restocking programmes. These can range from no intervention at all – such as simply waiting until after the last *Hylobius* have departed before replanting the site – to some pesticide use, some nematode use, or a combination of these and other factors, depending on the severity of infestation.

The *Hylobius* MSS is available by annual subscription. A condition of access to the *Hylobius* MSS is that users/user groups first undergo training in *Hylobius* monitoring and the use of the web-based system. Subsequently, *Hylobius* MSS users must register and pay for access to the system and this will also ensure subsequent software and technical support. During registration each user (or user group) will have to inform Forest Research of the number of sites they wish to manage using the system during the following year. Once subscription has been confirmed a username and password will be issued and these are required to log onto the system for entry and retrieval of clearfell site management information from the system servers.

For more information please see  
[www.forestresearch.gov.uk/hylobiusmss](http://www.forestresearch.gov.uk/hylobiusmss)

#### Objectives of Training Day

- ▶ Be familiar with the biology and population dynamics of the large pine weevil (*Hylobius abietis*), and the main measure of population control.
- ▶ Be familiar with population monitoring techniques.
- ▶ Be familiar with the HMSS (*Hylobius* Management Support System) software.

### ***HYLOBIUS MANAGEMENT SUPPORT SYSTEM TRAINING DAY***

#### Content of Course

The course is partly field-based; including practical demonstrations and field work. The indoor part includes a practical exercise using the HMSS software. The following topics are covered

- ▶ Biology and population dynamics of the large pine weevil.
- ▶ Measures of population control.
- ▶ Monitoring: billet specification and site layout.
- ▶ Monitoring: data collection.
- ▶ HMSS: data input.
- ▶ HMSS: interpretation of results and analysis of restocking scenarios.

*This Course is Designed for Field Staff and  
Managers Involved in Weevil Control on Restocking  
Sites*



## PROGRAMME

0900 – 0915 hrs	Registration & Introduction – tea/coffee
0915 – 1100 hrs	Discussion on weevils: including the biology, importance for forest management; management and control; <i>Hylobius</i> MSS demonstration (site selection).
1100 – 1130	Instructions for field visit and travel to site.
1130-1230	Site Visit 1: Demonstration of billet specification and site layout. Practice: site layout
1230-1300	Lunch ( <b>participants are asked to provide their own packed lunch</b> )
1300-1400	Site Visit 2: Demonstration of data collection. Practice: data collection.
1400-1430	Travel back to indoor venue.
1430-1600	Practice sessions: data analysis; data input and interpretation of results.
1600-1630	Review of course: summary; question/feedback.
1630	Depart

**APPROPRIATE FOOTWEAR & WET WEATHER GEAR WILL BE REQUIRED FOR SITE VISITS**

## How to book

To reserve a place at the Training Day please complete the booking form and return to:

Diane Carmichael  
[diane.carmichael@forestry.gsi.gov.uk](mailto:diane.carmichael@forestry.gsi.gov.uk)  
0131 334 0303.



## COURSE LOCATION

Ae Management Training Centre,  
Ae Village,  
Dumfries,  
DG1 1QB

## How to find us

[www.multimap.co.uk](http://www.multimap.co.uk)



## BOOKING FORM

I would like to book the following Training Day:

### ***Hylobius* Management Support System**

PLEASE COMPLETE IN BLOCK CAPITALS

I require ..... delegate place(s)

Full Name: .....

Organisation: .....

Address: .....

Post Code: .....

Phone: .....

E-mail: .....

**COSTINGS: £80.00 per person**

Places should be booked by contacting Diane Carmichael at: [diane.carmichael@forestry.gsi.gov.uk](mailto:diane.carmichael@forestry.gsi.gov.uk) or 0131 334 0303.

Places will be limited to 20 for practical reasons. Places per organisation **may** be limited depending on the demand. Applications must be received by Diane by 11<sup>th</sup> July. Confirmation of bookings will be sent out 2 weeks (by 21<sup>st</sup> July) before the course.

