

CONTENTS & MODULES

MODULE 10



IPM in arable rotations

Date (08/11/2010)

WHAT IS...	IPM in arable rotations focuses on all the IPM principles, from preventive measures over careful consideration of applied pest control strategies through to the evaluation of the success of the control selected. In this presentation, the focus is on IPM in arable rotations as analysed in the ENDURE case studies.
WHY	In order to maintain sustainable production of food and feedstuff in Europe it is important to use IPM measures in arable cropping. By doing so, damage to the environment and risk to human health is kept at a minimum, while a high yield and good quality is preserved. If pest management is based solely on chemical control the risk of build-up of pesticide resistance is increased, along with higher risks of pesticide residues in crops and the environment.
HOW	Teach the participants about the effective use of chemical as well as non-chemical crop protection. Lead the participants through the eight IPM principles and use the examples of grass weed management and maize-based systems to underline the statements.
EXAMPLE	The title almost says it. One of the most important IPM measures in arable rotations is the use of an appropriate cropping sequence . In ENDURE, several case studies have focused on this particular measure. Among other things, this has, for example, resulted in suggestions for optimised winter crops based cropping systems , with reduced reliance on chemical pest control, and optimised maize based cropping systems . Several publications have been produced in relation to these case studies (see SOURCES).
SOURCES	On the ENDURE website, are a number of relevant leaflets: <ul style="list-style-type: none"> ▶ IPM in winter crops based cropping systems ▶ Maize based cropping systems in four European regions: SWOT analysis and IPM considerations ▶ General Recommendations for IPM Development in European Maize Based Cropping Systems: Innovative Methods and Tools ▶ Innovative IPM Tools for Maize Based Cropping Systems in Northern Europe ▶ Métodos Innovadores en IPM Para Sistemas de Cultivo Basados en el Maíz en el Valle del Ebro, España ▶ Strumenti Innovativi di IPM Raccomandati per Sistemi Colturali Basati sul Mais in Pianura Padana, Italia ▶ ENDURE Information Centre: <u>http://www.endureinformationcentre.eu</u>