

# **Pesticides 2012**

**Issued by**

**Pesticide Registration & Control Division  
Department of Agriculture, Food and the Marine  
Backweston Laboratory Campus  
Young's Cross  
Celbridge  
Co. Kildare**

**February 2012**



Visit our website at  
[www.pcs.agriculture.gov.ie](http://www.pcs.agriculture.gov.ie)

For up to date information  
on all matters relating to  
Pesticides

*Pesticide Registrations*

*Pesticide Legislation*

*Pesticide registration application forms*

*Current news items*

*Pesticide residues*

## Contents

<b>Introduction</b>		<b>iii</b>
<b>Legislation</b>		<b>v</b>
<b>Other Publications</b>		<b>vi</b>
<b>Storage and Use of Plant protection Products</b>		<b>vii</b>
<b>Website information</b>		<b>ix</b>
<b>Information on Biocidal Products</b>		<b>xi</b>
<b>Chapter 1</b>	<b>List of plant protection products</b>	<b>1</b>
<b>Chapter 2</b>	<b>Name changes accepted since publication of <i>Pesticides 2011</i></b>	<b>67</b>
<b>Chapter 3</b>	<b>Plant Protection Products listed in <i>Pesticides 2011</i> for which registrations expired or were rescinded between 1/1/11 and 1/1/12</b>	<b>69</b>
<b>Chapter 4</b>	<b>Products for which authorization, clearance, notification or permission to market, as appropriate, has been rescinded and for which the period specified for use of remaining stocks will expire during 2012.</b>	<b>75</b>
<b>Chapter 5</b>	<b>Prohibited active substances</b>	<b>79</b>
<b>Chapter 6</b>	<b>Active Substances that have been approved in accordance with Reg. (EC) No. 1107/2009</b>	<b>81</b>
<b>Chapter 7</b>	<b>Active Substances that have not been approved under Reg. (EC) No. 1107/2009</b>	<b>93</b>
<b>Chapter 8</b>	<b>Marketing Companies</b>	<b>109</b>
<b>Chapter 9</b>	<b>Product name index by active substance</b>	<b>115</b>
<b>Chapter 10</b>	<b>List of products/crops for which off-label approvals have been granted</b>	<b>135</b>
<b>Chapter 11</b>	<b>List of Adjuvants included on the register on 1/1/12</b>	<b>255</b>



## INTRODUCTION

This book contains the list of plant protection products that may be placed on the market and used in accordance with Regulation (EC) No 1107/2009 of the European Parliament and of the Council of 21 October 2009

A regulatory system has also been introduced for Biocides *i.e.* wood preservatives, rodenticides, antifouling paints, disinfectants and other such products<sup>1</sup>. A register of biocidal products is available on our website

A brief outline of the regulatory system for biocidal products may be found on page *vii*.

Chapter 1 contains an alphabetical listing of the plant protection products registered on 1 January 2012. For each product, the following information is provided -

- ◆ its authorization, clearance, notification or permission to market number,
- ◆ the holder of the authorization, clearance, notification or permission to market,
- ◆ the marketing company
- ◆ the function of the product (*e.g.* herbicide, fungicide *etc.*),
- ◆ its formulation type (*e.g.* WP – wettable powder, EC – emulsifiable concentrate),
- ◆ the identity and content of each active substance in the product

Chapter 2 contains a list of the plant protection products for which a name change was accepted during 2011. Both the former and current names are provided.

Chapter 3 contains a list of the plant protection products for which authorization, clearance, notification or permission to market, as appropriate, has expired or has been rescinded during 2011.

Chapter 4 contains a list of plant protection products for which authorization, clearance, notification or permission to market, as appropriate, has been rescinded and for which the period specified for use of remaining stocks will

<sup>1</sup> S.I. No. 625 of 2001, S.I. No. 572 of 2004, S.I. No. 393 of 2006, S.I. No. 164 of 2007.

expire during 2012. The list contains the date of revocation of the registration and the date from which the use of the product will be illegal. Stocks of these products at wholesale or retail level after the registration revocation date or at user level after the use by date must be disposed of in an appropriate manner.

Chapter 5 contains a list of active substances prohibited for marketing and use for plant protection in accordance with the European Communities (Prohibition of Certain Active Substances in Plant Protection Products) Regulations, 1981 to 1990<sup>2</sup>, and the Poisons (Prohibition of the Use of Certain Substances for Agricultural Purposes) Regulations, 1991<sup>3</sup>.

Chapter 6 contains a list of Active Substances that have been approved in the European Union for use in plant protection products.

Chapter 7 contains a list of Active Substances that have been refused approval in the European Union for use in plant protection products.

Chapter 8 contains the list of companies to which authorization, clearance or permission to market certificates have been issued or from which notifications have been accepted for products listed in this book, together with the companies responsible for the marketing of the products. Addresses, and, where available, telephone and tele-facsimile numbers have been included.

Chapter 9 consists of an index of all products on the market on 1 January 2012, arranged by active substance.

Chapter 10 consists of a list of products for which off-label approvals for use on particular crops have been granted up to 1/2/2012. This list is dynamic in nature and approvals are being issued on an ongoing basis. An up to date list may be obtained from the Pesticide Registration & Control Division or from the PCS website. The use of these products on the crops specified must only be carried out in accordance with the approved instruction sheet issued as part of the approval. Please consult your local Teagasc advisor or crop consultant for details before use.

### Warning: Off-Label Approvals

Use of a plant protection product in accordance with an off-label approval is entirely at the risk of the user.

The directions for use provided on the instruction sheet must be followed – it is an offence to use products in a manner that has not been approved.

**Chapter 11** consists of an alphabetical listing of adjuvants that on 1 January 2012 were included on the product register.

This publication is issued for the guidance of the reader. While every effort has been made to ensure that the information provided is complete and accurate, it must not be construed as being a definitive statement of the pesticide products that can be marketed or used.

The formal register of plant protection products that may be marketed and used is dynamic in nature. In cases of doubt, readers are advised to contact the –

**Pesticide Registration & Control Division  
Department of Agriculture, Food and the Marine**

Telephone Number      01-615 7552  
Facsimile Number      01-615 7575  
Electronic Mail        pcs@agriculture.gov.ie

Details of currently registered PPP's and the crops on which they may be used can be obtained on the PCS website at [www.pcs.agriculture.ie](http://www.pcs.agriculture.ie)

Information on the arrangements for the authorization of plant protection products, together with relevant application forms and guidance documentation can be obtained on application made to the Regulatory and Enforcement Unit of the Pesticide Registration & Control Division, at the following address -

**Department of Agriculture, Food and the Marine  
Backweston Campus  
Youngs Cross  
Celbridge  
Co Kildare**

This report was compiled by Mr Trevor Myles

## LEGISLATION

Current statutory provisions require that prior to their marketing and use, plant protection products (PPP's) are authorized to ensure a high level of protection for humans, animals and the environment. To avoid damage to the health of those handling PPPs and ensure that the health of consumers is not compromised, it is essential that such products be used in accordance with label instructions, which, where relevant, include precautions to prevent damage to health or to the environment. The effectiveness of PPPs and their safety to crops is also assessed as part of the authorization process.

PPPs offered for sale are inspected at both wholesale and retail distribution levels, to ensure that the products on the market have been authorized, notified or granted a permission to market, in accordance with the legislation and to ensure that they are correctly packaged and labelled. In addition PPPs are sampled for subsequent analysis, to ensure that the products sold or supplied conform to the approved specification of the product authorized, notified or granted permission to market. A key element of the inspection programme undertaken involves inspections at farm level, and inspections of other end user's premises.

Agricultural produce offered for sale is routinely sampled and analyzed for its pesticide residue content. Produce found to contain residues exceeding Maximum Residue Levels (MRLs) may be destroyed at the owner's expense and without payment of compensation. In accordance with the relevant statutory provisions, offenders are liable to imprisonment, to being fined or to both. The presence of excessive residues is indicative of misuse of the PPPs concerned. The immediate and long-term health risks for consumers exposed to such residues are well established.

It should be noted that although the authorization system in place for plant protection products includes the consideration of the performance of products, in terms of their effectiveness and safety to crops, such evaluations have only been completed for plant protection products authorized since 1 October 1994. Notified and cleared plant protection products, or those granted a permission to market, at an earlier date have not been checked, by the Pesticide Registration & Control Division of the Department of Agriculture, Food and the Marine with regard to their effectiveness for the purpose intended.

Users of plant protection products, are reminded that label instructions concerning the handling of PPPs and the use of protective clothing and equipment, must be carefully followed to avoid damage to the health of those concerned with their use. The adherence to label instructions concerning rates and timing of applications is essential to ensure that consumers are not at put risk from the presence of excessive residues in treated crops. It is especially important that the prescribed intervals between last application and harvest be observed. Strict adherence to label instructions on method and manner of use and on disposal of packaging is necessary to avoid contamination of the environment and to prevent damage to wildlife.

The use of plant protection products in a manner other than that provided for on product labels is an offence that is subject to prosecution.

Only PPPs included in the formal register maintained by the Pesticide Registration & Control Division of the Department of Agriculture, Food and the Marine may be sold and used. However stocks of PPPs for which the relevant authorization, clearance, notification or permission to market has been recently withdrawn may still be available in some retail outlets. Retail distributors are advised to dispose of such stocks as soon as possible either through sale or safe disposal.

## Other Publications

### Pesticide Residues in Food

Pesticide Residues in Food is an annual publication containing the results of the national control programme for pesticide residues in food, carried out by the Pesticide Registration & Control Division. The programme is aimed at ensuring that consumers are not exposed to unacceptable pesticide residues. The programme also serves to identify incidents of unauthorised use and as a means to check that pesticides are being correctly applied to crops. The control programme in place involves the sampling of imported and domestic produce of plant and animal origin.



## **Pesticide Usage Survey**

**To date two Pesticide Usage surveys have been published, the first was on grassland and fodder crops and the second on arable crops. These surveys have been carried out to quantify the amounts and types of pesticides being used on different crops. The data generated provides critical information for use in assessing the impact of pesticide use on the environment and will be of great benefit in ensuring the sustainable development of the sector. Further surveys are planned for 2012.**

**Copies of the Pesticide Residues in Food and the Pesticide Usage surveys are available on our website at [www.pcs.agriculture.gov.ie](http://www.pcs.agriculture.gov.ie)**

## Storage and Use of Plant Protection Products

The following are some general guidelines for end-users regarding the storage and use of Plant protection Products.

### A pesticide store -

#### must

- be a dedicated store, not used for any purpose other than the storage of plant protection and biocidal products
- be secure, locked, well-lit and of sound construction using non-absorbent material
- display appropriate signage on the outside of the store
- in the case of a walk-in store be well ventilated
- retain any spillages or have bunding adequate to prevent any seepage to or contamination of any watercourses (*surface or ground water*).
- have a supply of absorbent material to deal with small spillages
- have a list of emergency contact numbers at the entrance to the store, *e.g.* Doctor, Fire services, etc

#### should

- have a supply of clean water nearby
- be equipped with a first aid kit (eyewash)
- be equipped with an appropriate grade fire extinguisher
- be operated on a *first-in-first-out* stock control system

### Products should be stored

- only in original packaging
- in a segregated manner
  - flammable products should be separated from non-flammable.
  - powders should be stored on shelves above liquids
  - water-soluble packs must be kept away from sources of dampness.

## Handling and Use

### Before using plant protection or biocidal products it is important to

- read the product label and the instructions for use
- ensure that personal protective equipment (PPE) is clean and in good condition
- ensure that measuring equipment designated and labelled for measuring product is clean and in good condition
- ensure that application equipment is in good working condition and is **correctly calibrated**
- calculate the amount of product needed

### When using plant protection products or biocides it is important to

- comply with instructions for use printed on the label
- wear appropriate personal protective clothing and equipment
- where possible use a closed transfer system or low level induction to transfer product to the sprayer. Where this is not possible, pour slowly to avoid glugging or splash back of liquids
- use one container at a time
- **Triple-rinse\*** or pressure rinse the container and add the rinsate to the sprayer
- measuring equipment should be similarly cleaned and rinsate added to spray tank
- avoid drift and take care when applying close to watercourses
- check application equipment frequently during operation

### After application, it is important to

- clean application equipment thoroughly, both inside and outside
- thoroughly wash protective gloves, face shield *etc.*

**\* Triple rinse:** pack contents should be drained for at least 30 seconds when emptying the container into the spray tank.  $\frac{1}{4}$  to  $\frac{1}{3}$  fill with clean water, securely close and shake vigorously. Add the rinsate to the spray tank. Repeat this process at least twice or until the container is clean. The container should be stored upside down with the lid off to dry. Properly rinsed plastic & HDPE containers may be disposed of as non hazardous waste.

## Disposal

Due care and attention must be given to the issue of disposal of unused product concentrate, unused dilute spray and empty containers.

Waste should be minimized through good management.

- only purchase the amount of product required
- only mix the required amount of diluted spray for the area to be treated
- always keep an untreated area to allow the disposal of excess diluted spray material
- dispose of obsolete concentrate using a specialist hazardous waste disposal company

## Record Keeping

The records to be maintained are of three types, *products acquired*, *products applied or used* and *products returned or disposed of*

### **For each product received into store, record**

Product Name	PCS No.	Pack Size	Quantity	Supplier	Date

### **For each product applied or used, record**

Product Name	PCS No	Area treated			Quantity applied		Date applied
		location	crop	area	of pesticide	of water	

### **For each product returned and for disposals, record**

Product Name	PCS No.	Pack Size	Quantity	Disposal Company	Date of disposal

# **Information on Biocidal Products**

## **Explanatory note:**

The Regulatory system for biocides was established following the introduction of Council Directive 98/8/EC to control the placing on the market and use of biocidal products in the European Union. The objective of the Directive is to ensure that all biocidal products will be rigorously evaluated prior to being offered for sale to ensure that when used they are safe for man, animals and the environment.

A biocide is **defined** as any “active substances and preparations containing one or more active substances, put up in the form in which they are supplied to the user, intended to destroy, deter, render harmless, prevent the action of, or otherwise exert a controlling effect on any harmful organism by chemical or biological means.”

## **Implementation of the legislation.**

The Pesticide Control Service of the Department of Agriculture, Fisheries and Food was designated, in July 2001, as the competent authority for the implementation of the legislation. Directive 98/8/EC has been transposed into Irish law by Statutory Instrument S.I. No. 625 of 2001 - European Communities (Authorization, Placing on the Market, Use and Control of Biocidal Products) Regulations, 2001.

A programme to identify all biocidal products being placed on the market in Ireland has been put in place as a first step in implementing this legislation. This programme involved the ‘Notification’ of basic information on biocidal products to the Pesticide Registration & Control Division (PRCD). This allows the PRCD to compile all the technical information necessary to identify biocidal products being placed on the market in Ireland. This ‘Notification’ process is now nearing completion and a register of products notified for marketing and use in Ireland is being compiled.

**It is the responsibility of any company that markets a biocidal product to ensure that all of the data required as part of the notification process is submitted to the Pesticide Registration & Control Division, either by themselves or by an another company acting on their behalf.**

Information submitted to the PRCD as part of the notification process should be addressed to the

**Regulatory and Enforcement Unit,  
Pesticide Registration & Control Division,  
Department of Agriculture, Food and the Marine,  
Backweston Laboratory Campus,  
Young’s Cross,  
Celbridge,  
Co. Kildare.**

Queries concerning the legislation and its implementation may be addressed to the Regulatory and Enforcement Unit of the Pesticide Registration & Control Division.

Phone: **00-353-1-615 7552**

Fax: **00-353-1-615 7575.**

E-mail: [pcs@agriculture.gov.ie](mailto:pcs@agriculture.gov.ie)

Website: [www.pcs.agriculture.gov.ie](http://www.pcs.agriculture.gov.ie)

## SEARCH options on PCS website at - [www.pcs.agriculture.gov.ie](http://www.pcs.agriculture.gov.ie)

Three different search options are provided (it may take a few seconds for the search screen to load).

**Search by Product Name** – the drop-down box contains a list of all the plant protection products currently registered with PCS. Use the Scroll Button to move down through the list, which is in alphabetical order. You can type the first letter of a name into the drop-down box to move quickly to items that have names beginning with that letter. Clicking the “Find Product” button on the right will give details of the product that is currently in the drop-down box.

**PRODUCT SEARCH**

**Search by Product Name**

Product No. 1 ▾ Find Product

Scroll Button

**Search by Active Substance** – the drop-down box contains a list of the active substances in currently registered products. Clicking the “List Products” button will give a list of the products that contain the active substance currently in the drop-down box. It should be noted that the products listed may also contain other active substances.

**Search by Active Substance**

Active Substance No. 1 ▾ List Products

**Search by Function/Crop** – three sub-options are provided; click on the radio button above the drop-down box to choose the option you require. Clicking the “List Products” button will give a list of the products associated with the selected Function and/or Crop e.g. if the “Search by Function AND Crop” radio button is selected and the “Function Box” contains ‘Fungicide’ and the “Crop” box contains “Barley – spring’ then a list of all fungicide products for spring barley is produced. If the “Search by Function only” button were selected, a list of all registered fungicide products would be produced. If the “Search by Crop only” radio button were selected, a list of all products that can be used on spring barley would be produced.

**Search by Function /Crop**

Search by Function AND Crop  
 Search by Function only  
 Search by Crop only

Function No. 1 ▾    Crop No. 1 ▾    List Products

**SEARCH options on PCS website at - [www.pcs.agriculture.gov.ie](http://www.pcs.agriculture.gov.ie)**

**Product Details page**

When the “Find Product” button is clicked, the following details are shown for the selected product.

<b><u>Product Details</u></b>	
<b>Product Name</b>	
<b>PCS No.</b>	
<b>Authorization Holder</b>	
<b>Marketing Company</b>	
<b>Product Type</b>	
<b>Function</b>	
<b>User Type</b>	
<b>Active Substance</b>	<b>Content</b>

**[Click here to see list of crops for which product is approved](#)**

**ALWAYS READ AND FOLLOW THE INSTRUCTIONS ON THE PESTICIDE LABEL**

The link “Click here to see list of crops for which product is approved” is only available where the “Product Type” is “PPP” (Plant Protection Product) and the “User Type” is “Professional”.

**Approved crops page**

This page gives a list of crops for which use is approved.

<b><u>LIST OF CROPS FOR WHICH USE IS APPROVED</u></b>	
<b>Product Name</b>	
<b>PCS Number</b>	
Crop1	
Crop2	
Etc.	

**Product list page**

Clicking the “List Products” button for a “Search by Active Substance” or “Search by Function/Crop” will produce a list of products as follows

Product Name	PCS No.	Function Description
<u>Product 1</u>		
Product 2		
<u>Etc.</u>		

Click on a product name to bring up the “Product Details” page for that product.