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## 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

Chapter 1 contains an alphabetical listing of the plant protection products registered on 1 January 2014. 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 2013. 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for which authorization, clearance, notification or permission to market, as appropriate, has expired or has been rescinded during 2013.

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protection products for which authorization, clearance, notification or permission to market, as appropriate, has been rescinded and for which the period specified for use of remaining stocks will expire during 2014. 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 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 6 consists of an index of all products on the market on 1 January 2014, arranged by active substance.

Chapter 7 consists of a list of products for which off-label approvals for use on particular food crops have been granted up to 1/1/2014. 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 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.

Chapter 8 consists of a list of products for which off-label approvals for use on non-food crops have been granted up to 1/1/2014. 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 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 9 consists of an alphabetical listing of adjuvants that on 1 January 2014 were included on the product register

### Active substances

The current status of over 1300 active substances can be found on the EU Pesticides database at the following link.

[http://ec.europa.eu/sanco\\_pesticides/public/?event=activesubstance.selection](http://ec.europa.eu/sanco_pesticides/public/?event=activesubstance.selection)

Detailed information on the status of active substances under Reg (EC) No 1107/2009 including, classification, EU maximum residue levels, toxicological information, Member states in which the substance is authorised at national level is included.

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 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 Control Division, at the following address -

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

## 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 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 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 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 2014.**

**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

*\* **Triple rinse:** pack contents should be drained for at least 30 seconds when emptying the container into the spray tank. ¼ to ⅓ 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.  
Reference should also be made to the joint DAFM / EPA leaflet - 7 Steps: Good Practice Guide for Empty Pesticide Containers which is available on our website.*

### After application, it is important to

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

### 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