

# The Environmentally Safe Disposal of Intellectual Property-Infringing Goods: Crop Protection Products

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Helping Farmers Grow

# Working in a Global Federation

of regional and national associations in 91 countries



# Crops destroyed

by counterfeit & illegal (unregistered) pesticides



# Counterfeit & Illegal Pesticides



- ✓ Harm farmers
- ✓ Destroy crops
- ✓ Damage fields
- ✓ Insect resistance to chemicals
- ✓ Hunger, starvation
- ✓ Risk to national economy, export bans



## Counterfeit & Illegal Pesticides - Italy

Damage and Destruction:  
Farmers  
Fields



# Counterfeit and Illegal Pesticides



- Each situation of police seizure different – sometimes ‘pesticides’ are just ‘water & chalk’ or unknown non-pesticide chemicals
- Often there are no brands or trademarks associated with the chemicals seized by police

**CropLife also offers, through its members:**



- Expertise, best practices, and training in the proper methods of storing, transporting, and/or destroying the counterfeit and illegal pesticides

## Ministries of Agriculture in each country:

- Experts on pesticides and regulatory matters
- Experienced in regulating/supervising
  - Retail
  - Farms
- Experts in storing and destroying illegal pesticides
- Governments have access to clear advice from The Food and Agriculture Organization of the United Nations (FAO), the United Nations Environment Programme (UNEP) and The World Health Organization (WHO) *also developed the* Guidance on disposal solutions can be found in the industry guidebook – “*Disposal of Unwanted Pesticide Stocks*”.
- (Source: [www.fao.org/agriculture/crops/obsoletepesticides/en/](http://www.fao.org/agriculture/crops/obsoletepesticides/en/))



# Storage of 'Pesticides'

## Often unbranded chemicals

- 'Pesticides' should always be stored in secure and appropriately constructed storage facilities managed by trained personnel.
- Facilities should be solidly constructed and secure, with good ventilation and impermeable floors that will contain chemical spills. Small containers of pesticide should be stored on shelves while larger drums and sacks are on pallets.
- Staff managing the facility should be appropriately equipped to deal with emergencies as fire, leakage and poisoning.
- Damaged containers and contaminated materials should be safely repackaged by persons trained in the handling of 'pesticides'.
- Whenever possible, a specialist in handling hazardous materials should coordinate containment activities. If a specialist is not available, technical advice may be sought from the pesticide industry or aid agencies.
- Source: [http://www.fao.org/fileadmin/user\\_upload/obsolete\\_pesticides/docs/w1604e.pdf](http://www.fao.org/fileadmin/user_upload/obsolete_pesticides/docs/w1604e.pdf)

## Environmentally Sound Destruction of Counterfeit Pesticides

Disposal methods that may be acceptable, depending on type of product and local circumstances

- High-temperature incineration;
- Chemical treatment;
- Specially engineered landfill (for immobilized materials, incinerator ash and slag);
- Long-term controlled storage.

Source: [http://www.fao.org/fileadmin/user\\_upload/obsolete\\_pesticides/docs/w1604e.pdf](http://www.fao.org/fileadmin/user_upload/obsolete_pesticides/docs/w1604e.pdf)

Examples:

Using Cement Kilns for Environmentally Sound  
Destruction of Obsolete Pesticides in Developing  
Countries ([http://www.fao.org/fileadmin/user\\_upload/obsolete\\_pesticides/docs/w1604e.pdf](http://www.fao.org/fileadmin/user_upload/obsolete_pesticides/docs/w1604e.pdf)).

# Obsolete stocks Vs Illegal Pesticides

- Obsolete stocks are pesticides that have been legally supplied/purchased but are no longer fit for use (deregistered, unwanted, no longer in specifications etc).
- Illegal/counterfeits are products that are not **legal for use**.
- Although illegal pesticides are different from obsolete pesticides, the handling and destruction recommendations are the same.
- The industry can provide advice on this, BUT they are not the owners of the illegal stocks and are not responsible for their destruction.

# Thank you

Growing food – Creating renewable – Supplying sustainably

