PESTICIDES MANAGEMENT IN MALAYSIA

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Department of Agriculture Malaysia
(Pesticides Board of Malaysia)

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Bangkok
TOPICS

• Pesticide laws in Malaysia
• Pesticides Act 1974 and its provisions
• Post registration activities
• Pesticides related instruments/mechanisms at international and regional level
PESTICIDE LAWS IN MALAYSIA

1. The Hydrogen Cyanide (Fumigation) Ordinance 1953

2. The Pesticides Act 1974

3. The Environmental Quality Act 1974

5. The Occupational Safety & Health Act 1994
Pesticides Act 1974

- Regulates various aspects of pesticides in Malaysia
- Has a provision for the establishment of the Pesticides Board
- The Pesticides Control Division of DOA acts as the Secretariat
PESTICIDES BOARD

- Fourteen members from related agencies
- Decides on policies
- Two permanent committees under the Board
  - The Technical Committee
  - The Advertisement Committee
# PROVISIONS OF THE PESTICIDES ACT 1974

1. Registration Scheme

2. Pesticides Labeling

3. Control of Importation of Pesticides for Educational and Research Purposes
PROVISIONS OF THE PESTICIDES ACT 1974

4. Control of Sale and Storage for Sale Through Licensing

5. Control of Pesticide Advertisements

6. Highly Toxic Pesticides Regulations

7. Control on Pest Control Operators

8. Administrative Control of Aerial Spraying
Registration Scheme - Objective

• To ensure that pesticides sold and used in the country are effective, good in quality & do not cause unacceptable effects to man and the environment

• The process of evaluation and approval by the Pesticides Board for a pesticide to be imported, manufactured, sold and used in Malaysia
Registration Scheme – Data Requirements

The following data/information are to be submitted to the Board for evaluation at registration process:

– Data on product chemistry
– Data on bioefficacy
– Data on mammalian toxicology
– Data on ecotoxicology
– Data on environmental fate
– Data on residue in food crops
– Data on safe handling
– Packaging and labeling
PESTICIDES LABELING

December 19, 2016
Control Of Labeling-
Objective

• To ensure that all registered pesticides are labeled in accordance with good labeling practices

• Relevant information to be incorporated on the label
Control Of Labeling - Information To Be On The label

- Product description
- Hazard classification
- Name and address of registrant
- Registration number
- Directions for use
- Medical and first aid statements
- Precaution and safety statements
### Color Band & Hazard Statements

<table>
<thead>
<tr>
<th>CLASS</th>
<th>Hazard Statement</th>
<th>Symbols</th>
<th>Color Band</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class Ia</td>
<td>VERY HIGHLY POISONOUS</td>
<td>Skull &amp; Cross Bones</td>
<td>🔴</td>
</tr>
<tr>
<td>Class Ib</td>
<td>HIGHLY POISONOUS</td>
<td>Skull &amp; Cross Bones</td>
<td>🔴</td>
</tr>
<tr>
<td>Class II</td>
<td>POISONOUS</td>
<td>--</td>
<td>🔴</td>
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<tr>
<td>Class III</td>
<td>HARMFUL</td>
<td>--</td>
<td>🔴</td>
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<tr>
<td>Class IV</td>
<td>--</td>
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</tr>
</tbody>
</table>
CONTROL ON IMPORTATION OF PESTICIDES FOR EDUCATIONAL AND RESEARCH PURPOSES
Control of Importation for Research and Educational Objective

- To allow the importation newly developed-coded compound for research and educational purposes
- To encourage local research
- Normally in limited quantity
CONTROL OF SALE AND STORAGE FOR SALE
Control of Sale and Storage for Sale

- To ensure safe and proper storage/display of pesticides to avoid food and environmental contamination
- Requirements to conform to conditions
- 4,000 premises are licensed
Some of the Conditions of Sale and Storage License

- Signage
- Store under locked & key
- Fire extinguisher & equipment to fight spillage
- Special permit to purchase HTP
- Certain household products are exempted
ADVERTISEMENT

CONTROL
Advertisement Control

Objective

• To ensure that pesticide products are advertised in accordance with acceptable codes

• To avoid any misleading and over claim statements

• To control all media
Advertisement Control - Some Unacceptable Words and Phrases

- Non-poisonous, harmless & non-injurious
- Contains no harmful chemicals
- Safe to human & the environment
- Can be used anywhere
- Among the least toxic pesticides known
- Odourless, fragrant & sweet smelling
- Superlative words & phrases (e.g. most effective, most powerful)
CONTROL OF HIGHLY TOXIC PESTICIDES (HTP)
Control of HTP - Objectives

• Aimed at providing greater accountability on employers and employees in handling HTPs

• Pesticides controlled under HTP Regulations are:
  – Monocrotophos
  – Methamidophos
  – Paraquat

• Among the requirements of HTP Regulations are:
  – Medical examination
  – Protective clothing
  – First aids
  – Records
CONTROL OF PEST CONTROL OPERATORS (PCO)
Control of PCO – Objectives

- To ensure pest control operation is effective & do not harm occupants and the environment
- Requirement to license the PCO companies & certification of operators
- Requirement for the applicator and assistant applicator to pass the exam set by the Board
AERIAL SPRAYING CONTROL
Administrative Control of Aerial Spraying

• To minimize contamination to the environment
• Carried out by administrative agreement with Department of Civil Aviation (DCA)
• DCA requires written approval from Pesticides Board
• Approval is given based on guidelines
Salient Points - Pesticides Trend In Malaysia

- Requirements for higher safety standards (food, environmental and workers safety standards)
- Phasing out of highly toxic pesticides
- Introduction of natural pesticides
- Registration of generic pesticides
- International obligations
- Labeling requirements
Post Registration Activities

Legislative Activities

– Review of registration status
– Market sampling
– Monitoring of pesticide residues in crops
– Environmental monitoring
– Monitoring of poisoning cases
– Enforcement activities
Post Registration Activities

Non-Legislative Activities

- Education and training
- Recycling of used pesticide containers
- Vegetable farm certification scheme (SALM)
- Organic farm certification scheme (SOM)
- Promotion of IPM
PESTICIDES RELATED MECHANISMS AT INTERNATIONAL AND REGIONAL

1. FAO/WHO Code of Conduct
2. Rotterdam Convention
3. Stockholm Convention
4. Montreal Protocol
5. Codex Alimentarius – Codex Committee on Pesticide Residues
6. Globally Harmonized System for Classification and Labeling of Chemicals (GHS)
7. ASEAN Initiative Towards Pesticide Regulatory Harmonization
8. EWG on the Harmonization of MRLs among ASEAN
## Registered Agricultural Pesticides

<table>
<thead>
<tr>
<th>Usage</th>
<th>Number of product registered</th>
<th>Number of a.i./mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Herbicide</td>
<td>797</td>
<td>126</td>
</tr>
<tr>
<td>Insecticide/Acaricide</td>
<td>634</td>
<td>113</td>
</tr>
<tr>
<td>Fungicide</td>
<td>347</td>
<td>79</td>
</tr>
<tr>
<td>Rodenticide</td>
<td>41</td>
<td>8</td>
</tr>
<tr>
<td>Molluscicide</td>
<td>19</td>
<td>3</td>
</tr>
<tr>
<td>Nematicide</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1,846</strong></td>
<td><strong>332</strong></td>
</tr>
</tbody>
</table>
## MALAYSIAN PESTICIDES MARKET

(RM Millions) - Source: MCPA

<table>
<thead>
<tr>
<th>Crop Care Products</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2014</td>
<td>2015</td>
</tr>
<tr>
<td>Herbicides</td>
<td>370 (66%)</td>
<td>355 (64%)</td>
</tr>
<tr>
<td>Insecticides</td>
<td>136 (25%)</td>
<td>145 (26%)</td>
</tr>
<tr>
<td>Fungicides</td>
<td>27 (5%)</td>
<td>31 (6%)</td>
</tr>
<tr>
<td>Rodenticides</td>
<td>22 (4%)</td>
<td>23 (4%)</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>555</strong></td>
<td><strong>551</strong></td>
</tr>
</tbody>
</table>
THANK YOU