PESTICIDES
REGISTRATION
AND REGULATION
IN PAKISTAN
# PESTICIDES POLICY IN PERSPECTIVE

<table>
<thead>
<tr>
<th>Year</th>
<th>Description</th>
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<tbody>
<tr>
<td>Until 1971</td>
<td>Pesticides import was carried out by the Federal Govt. and distributed among farmers through the provinces.</td>
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<tr>
<td>1980</td>
<td>Subsidy abolished and Trade Shifted to Private Sector</td>
</tr>
<tr>
<td>1992</td>
<td>Introduction of Liberalized Import Policy {Generic Scheme (Form-16) &amp; registered abroad scheme (Form-17)}</td>
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</table>
FUNCTIONS OF THE PESTICIDES REGISTRATION SECTION OF DPP

1. Registration of pesticides under the Agricultural Pesticides Ordinance, 1971.

2. Regulation of import, manufacture, formulation, refilling/repacking, sale, use & advertisement of pesticides.

3. Convening meetings of the Agricultural Pesticides Technical Advisory Committee & Sub-committees.

4. Coordination with federal and provincial agricultural departments, private sector and international organizations.

5. Pesticides quality control assurance.
PESTICIDES REGISTRATION SCHEMES IN PAKISTAN

- FORM - 1 LOCAL REGISTRATION UNDER TRADE NAME
- FORM - 16 GENERIC NAME
- FORM - 17 REGISTERED ABROAD
REGISTRATIONS GRANTED THROUGH DIFFERENT SCHEMES

- Brand name (Form 1) 680 (a. i 135)
- Generic name (Form 16) 5568 (a. i 97)
- Registered Abroad (Form 17) 1531 (a. i 111)

**TOTAL** 7779
REGISTRATION PROCESS UNDER FORM-I (TRADE NAME)

- Applications are submitted on prescribed Form-1 along-with registration fee & samples.
- Product sample is analyzed by FPTRL & after satisfactory report sent to the Provinces for conducting field trials.
- Efficacy trials at different Federal / Provincial Research institutes for two crop seasons by at least two Research institutes.
- Standardization of the product by the Provincial Standardization Committee and forwarded recommendations to the Department of Plant Protection.
- Examined by the Agricultural Pesticides Technical Advisory Sub Committee & then approval by the Agricultural Pesticides Technical Advisory Committee.
- Granted certificate of registration for the period of three years or shorter period.
**DOCUMENTS REQUIRED FROM THE MANUFACTURER (FORM – 1)**

<p>| | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>i)</td>
<td>Letter of authorization:</td>
</tr>
<tr>
<td></td>
<td>• From the manufacturer (in original) with name &amp; designation, seal &amp; signature,</td>
</tr>
<tr>
<td></td>
<td>telephone, fax &amp; email address.</td>
</tr>
<tr>
<td></td>
<td>• For local manufacturing letter of authorization (in original) for technical grade</td>
</tr>
<tr>
<td></td>
<td>material should be provided from the manufacturer with all the information.</td>
</tr>
</tbody>
</table>

|   | 100% break up / recipe and specification of formulated product                        |
|   | • For imported product the recipe and specification analyzed by internationally       |
|   |   accredited lab/GLP lab.                                                            |
|   | • For local manufacturing, 100% break up / recipe and specification analyzed by       |
|   |   internationally accredited lab / DPP or labs notified by DPP.                       |

|   | 100% break up / composition and specification of technical grade material.             |

|   | • Toxicological, Eco-toxicological, stability, MRL data (TC) from international       |
|   |   accredited lab/GLP lab.                                                            |
|   | • For formulated product toxicological study data & PHI period only from international |
|   |   accredited lab/GLP lab.                                                            |

|   | Registration certificate of the formulated product or proof of manufacturing.          |

|   | Registration certificate of technical grade material of the pesticides or proof of    |
|   |   manufacturing.                                                                      |

|   | Sample of formulated product(1 kg/lit.), TC (0.5-1 kg) and analytical standard (2-5   |
|   |   gm) (Sealed sample should be submitted in the FPTRL directly from the manufacturer). |
IMPORT PERMISSION OF PESTICIDES UNDER GENERIC SCHEME (FORM-16)

- 139 pesticides notified by the federal govt. under the generic scheme
- Application on prescribed Form-16 along-with necessary fee & samples.
- Sample analysis by FPTRL- DPP.
- Grant of import permission certificate on Form 16 for the period of 3 years or shorter period.
DOCUMENTS REQUIRED FROM THE MANUFACTURER (FORM - 16)

i) Authorization letter from the manufacturer in the country of origin.

ii) 100% break up / recipe and specification of formulated product by internationally accredited lab/GLP lab.

iii) 100% break up / composition and specification of technical grade material in accordance as registered with registration authority in the country of origin.

iv) MRL data & PHI period of the product by internationally accredited lab/GLP lab.

v) Toxicological study data of the product by internationally accredited lab/GLP lab.

vi) Registration certificate of the formulated product /technical grade material of the product or proof of manufacturing issued by registration authority in the country of origin.

vii) Sample of formulated product (1 kg/lit.), TC (0.5-1 kg) and analytical standard (2-5 gm) should be submitted in the FPTRL directly from the manufacturer.
IMPORT PERMISSION OF PESTICIDES REGISTRED IN THE COUNTRY OF MANUFACTURE (FORM-17)

- Application on prescribed Form 17 along-with registration fee for import of pesticides registered in the country of manufacture, and not registered under Form–1 or Form –16 with following conditions:

  a) Documentary proof of the pesticide’s registration in the country of manufacture;

  b) Proof of use of the pesticide in any member country of the Organization for Economic Cooperation and Development (OECD*), China or India;

  c) Documentary proof of the said pesticide’s extensive use on relevant crop and its pests in the country of origin or any other country specified in clause (b);
DOCUMENTS REQUIRED FROM THE MANUFACTURER
(FORM – 17)

i) Documentary proof of registration of the formulated product under brand name and technical grade material of the product in the country of origin.

ii) Documentary proof of use of pesticides in OECD countries, China or India.

iii) Documentary proof of extensive use against pests of crop in the country of origin, OECD countries, China or India.

iv) Authorization letter from the manufacturer in the country of origin.

v) 100% break up / recipe and specification of formulated product analyzed by internationally accredited lab/GLP lab.

vi) 100% break up / composition and specification of technical grade material in accordance as registered with registration authority in the country of origin.

vii) MRL data & PHI period of the product from internationally accredited lab/GLP lab.

viii) Toxicological study data of the formulated product & TC from internationally accredited lab/GLP lab.
FAST TRACK REGISTRATION SYSTEM

In order to facilitate the registrants / importers, Department of Plant Protection, Ministry of National Food Security & Research has introduced Fast Track Registration of Agriculture Pesticide vide SRO 1017(I)/2014 dated 05.11.2014. This system is for the products already registered on Form-16 & 17 (subsequent cases).
DOCUMENTS REQUIRED FOR SUBSEQUENT CASES

Form- 16
1. Application duly fulfilled according to Form – 16.
2. Letter of authorization from the manufacturer (in original).
3. Company profile according to notified check list.
4. Paid challan for Rs. 60,000/- as registration fee (National Bank / State Bank of Pakistan).

Form- 17
1. Application duly fulfilled according to Form – 17.
2. Letter of authorization from the manufacturer (in original).
3. Company profile according to notified check list.
4. Paid challan for Rs. 40,000/- as registration fee (National Bank / State Bank of Pakistan).
INTERNATIONAL OBLIGATIONS UNDER FAO/UNO

Rotterdam convention on prior informed consent (PIC) Procedure for Certain Hazardous Chemicals and Pesticides. (Signatory since 1992 & ratified 14th July 2005)

- Stockholm Convention on Persistent Organic Pollutant (POPs). (Signatory since 2001 & ratified 17th April 2008)
LIST OF BANNED PESTICIDES IN PAKISTAN

ACTIVE INGREDIENTS:

1. BHC
2. BINAPACRYL
3. BROMOPHOS ETHYL
4. CAPTAFOL
5. CHLORDIMEFORM
6. CHLOROBENZILATE
7. CHLORTHIOPHOS
8. CYHEXATIN
9. DALAPON
10. DDT
11. DIBROMOCHLOROPROPADE + DIBROMOCHLOROPROPENE
12. DICROTOPHOS
13. DIELDRIN
14. DISULFOTON
15. ENDRIN
16. ETHYLENEDIICHLORIDE + CARBONTETRACHLORIDE
17. LEPTOPHOS
18. MERCURY COMPOUND
19. MEVINPHOS
20. TOXAPHENE
21. ZINEB
22. HEPTACHLOR
23. METHYL PARATHION
24. MONOCROTOPHOS
25. METHAMIDOPHOS
26. ENDOSULFAN
QUALITY CONTROL ASSURANCE OF PESTICIDES

- Registration of Pesticides
- Pre-shipment Inspection as per registered specification
- Pesticides Quality Control Inspectors
- Provincial Pesticide testing Labs.
- Appeal for re-analysis (FPTRL-DPP)
PESTICIDE QUALITY CONTROL ON IMPORT

i) Five Pre-shipment International Inspection Agencies are registered with Department of Plant Protection.

ii) The product quality is ensured by obtaining an original analysis report from the international accredited/GLP laboratory.

iii) Department of Plant Protection undertake 10% random sampling of pesticides consignments at arrival on port for test in the FPTRL-DPP.
<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name of Registered PSIA)</th>
<th>Principal</th>
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<tbody>
<tr>
<td>1.</td>
<td>Baltic Control Pakistan, I.I. Chundrigar Road, Karachi.</td>
<td>Baltic Control Ltd., Aarhus, Denmark</td>
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<tr>
<td>2.</td>
<td>NMCI Pakistan (Pvt.) Ltd., Jamaluddin Afghani Road, Karachi – 74800</td>
<td>NMCI, USA</td>
</tr>
<tr>
<td>3.</td>
<td>Inspectorates Corporation International (Pvt.) Ltd, Nisar Road, Lahore Cantt.</td>
<td>Control Union, Germany.</td>
</tr>
<tr>
<td>5.</td>
<td>M/s. Inspectorates Pakistan (Pvt.) Ltd., Sabir Beg Shaheed Road, Karachi.</td>
<td>Cotecna Group of Companies, Switzerland</td>
</tr>
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</table>
PESTICIDE QUALITY CONTROL BY PROVINCES

i) The quality control at distribution & sale stage is done by the Provincial governments.

ii) The checking of the pesticide quality is executed through the network of inspectors & pesticide laboratories notified by the Federal Govt. under APO 1971.

iii) The Provincial Agriculture Department which have 9 pesticide labs and 645 inspectors. The inspectors visit stores and shops for checking pesticides in order to ensure the sale of high quality, effective and approved pesticides.

iv) Samples of pesticide are taken and got analyzed in the Provincial Pesticide Laboratories. One portion of the sample is handed over to the vendor and other is sent to the Federal Testing & Reference Laboratory, DPP-Karachi.

v) In case sample is declared unfit by the Provincial laboratory, FIR against the culprit is registered and case in the court is processed for trial. However the Firm/Vendor has the right to submit appeal to the DPP within one month for retest of the other sealed portion of the sample.
QUALITY CONTROL INSPECTORS
Officers of BPS-17 and above

<table>
<thead>
<tr>
<th>Province</th>
<th>Count</th>
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<tbody>
<tr>
<td>FEDERAL (DPP)</td>
<td>15</td>
</tr>
<tr>
<td>PUNJAB</td>
<td>266</td>
</tr>
<tr>
<td>SINDH</td>
<td>151</td>
</tr>
<tr>
<td>K. PAKHTUNKHWA</td>
<td>136</td>
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<tr>
<td>BALOCHISTAN</td>
<td>92</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>660</strong></td>
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PESTICIDES TESTING LABORATORIES

- Federal Pesticides Testing & Reference Laboratory, Department of Plant Protection, Karachi, Sindh.
- Pesticides Testing Laboratory, Department of Agriculture, Lahore, Punjab.
- Pesticides Testing Laboratory, Plant Protection Institute, Faisalabad, Punjab.
- Pesticides Testing Laboratory, Department of Agriculture, Multan, Punjab.
- Pesticides Quality Control Laboratory, Bahawalpur, Punjab.
- Pesticides Quality Control & Testing Laboratory, Hyderabad, Sindh.
- Pesticides Testing Laboratory, Department of Agriculture Rohri, Sindh.
- Pesticides Testing Laboratory, Mirpurkhas, Sindh.
- Pesticides Testing Laboratory, Agricultural Research Institute, Tar nab, Peshawar.
- Pesticides Quality Control and Research Laboratory, Quetta, Balochistan.
Thank you