

**GOVERNMENT OF PAKISTAN
MINISTRY OF FOOD, AGRICULTURE AND LIVESTOCK
DEPARTMENT OF PLANT PROTECTION**

**FORM - 1
APPLICATION FOR REGISTRATION OF PESTICIDES
(To be rendered in triplicate)**

Name and Address of the applicant.	
Name and Address of the Manufacturer	
Name of Product (Brand name)	
Common Name (Proposed or accepted By ISO.)	
Structural Formula	
Chemical Name (IUPAC nomenclature)	
Empirical formula and molecular weight.	
Manufacturer's development code Number(s).	
<u>ACTIVE INGREDIENT</u>	
Physical State	
Colour	
Odour	
Melting Point	
Decomposition Point	
Boiling Point	
Vapour pressure figure should be given at a stated temperature preferably in the range of (20 - 25 C)	
Density (for liquid only)	
Hydrolysis rate under stated relevant conditions	

Photolysis	
Absorption spectra, e.g. ultraviolet.	
Visible and infrared , etc.	
Any other relevant properties	
<u>TECHNICAL GRADE MATERIALS</u>	
Source (Name & address of manufacturer & address where manufactured.	
Physical State	
Colour	
Odour	
Minimum and Maximum active ingredient content in % w/w.	
Identity and amount of isomers, impurities and other by products, together with informations on their possible range expressed as % w/w	
Storage Stability	
<u>FORMULATED PRODUCT</u>	
Identity	
Use category	
Type of formulation	
Content of active ingredient(s)	
Content and nature (Identity if possible of other components included in the Formulation (e.g. tech. Grade, adjuvants & inert ingredient)	
Water Content (above relevant)	
Appearance. Storage Stability (in respect of composition and physical properties related to use)	

Density for liquid only)	
<u>FLAMMABILITY</u>	
Liquids (Flash point)	
Solids:(A statement must be made as to whether the product inflammable	
Acidity (Where relevant)	
Alkalinity (Where relevant)	
Other properties may in certain cases and evaluation.	
Wettability (for dispersible powders).	
Persistent foam (for formulation applied in water)	
Suspensibility (for dispersible powder and suspending concentration)	
Wet sieve test (for dispersible powder and suspension concentration).	
Dry sieve test (for granules and dusts)	
Emulsion stability (for emulsifiable concentrates	
Corrosiveness (when necessary)	
Known incompatibilities with other product , e.g. pesticides , fertilizers)	
<u>EFFICACY</u>	
Primary evaluation data using , harmonized method and reported in a systematically presented complete dossier	
<u>TOXICOLOGY DATA</u>	

Acute oral toxicity	
Acute percutaneous toxicity	
Acute inhalation	
Acute other routes e.g. intraperitoneal	
Skin irritation	
Eye irritation	
Short term oral administration	
Toxic effects on metabolites, breakdown	
Products or impurities	
Metabolic studies	
Long term toxicity, including	
Carcinogenicity	
Neurotoxicity	
Reproduction studies	
Embryotoxicity , including teratogenicity	
Mutagenicity	
Potentiation	
Direct observations, e.g. clinical cases.	
Health record, both from Industry and Agriculture	
Treatment of Poisoning	
First-Aids measures	
Supplementary treatment	
Sensitizing effects	
<u>RESIDUE STUDIES</u>	
Primary physical chemical and biological data	

biological data	
Identification of residue design of analytical method	
Reliable residue data from supervised trials	
Estimation of maximum residue level at harvest	
Data on further disappearance on storage, transport etc	
Estimation of residue level in commodity on sale	
Data on disappearance on food preparation, cooking or processing	
Production of Potential consumer intake, actual intake studies	
Assessment of actual consumer intake	
<u>PREDICTION OF ENVIRONMENT EFFECTS</u>	
Fate and mobility studies of toxicant	
Method of application of pesticide	
Time of application	
Rate of application	
Scale of use (number of application etc)	
Climatic and geographical locality	
Volatility of product	
Water Solubility	
Octonol water partition coefficient	

Absorption	
Desorption	
Degradation	
Persistence	
Effects on birds	
Effects on fish	
Effect on fish -food species	
Effects on honey-bees	
Degradation .product in soil	
Possibilities of accumulation with stable lipophilic compounds.	
Effects on local aquatic species	
Effects on soil organisms	
<u>DISPOSAL OF SURPLUS PESTICIDES& PESTICIDES CONTAINERS</u>	
Any additional information (see guide- lines for disposal of surplus pesticides& pesticides containers Annexure-A)	
<u>PROPOSAL FOR LABELING & DIREC- TIONS FOR USE</u>	
A draft label with any additional information not included in the guidelines (see guidelines for labeling (Annexure -B)	
<u>PACKAGING :</u>	
State weight (or for liquids, volume and the sizes of package in which the products is to be marketed and for each size , the type of package ,for instance1 kg in case with screw plug and 50 kgs1 in iron drums .Please note that the product must be sold only in the package size and type	

notified to the plant protection department and for which the label is approval .	
Classification during transport	
<u>METHOD OF ANALYSIS</u>	
Methods to determine the active ingredients of the product (the accuracy of the method of determination should be stated).	
Methods to determine the amount of isomers, impurities and other by-product	
<u>LABELLED SAMPLES FOR ANALYSIS</u>	
Analytical reference standard 2 - 5g	
Technical grade material 0.5 - 1.0 kg	
Formulated product 1 kg-lit.for each formulation	
<u>REGISTRATION FEE</u>	
Rs.25,000/- (Rupees Twenty-five Thousand) only to be deposited in Treasury Challan Payable under budget <u>Head Central</u>	

I do hereby apply for registration of the pesticide the particulars of which are given above and hereby certify that these particulars are to the best of my knowledge true and correct .

Dated: _____

SIGNATURE OF APPLICANT.
Name & Designation