THE GAZETTEE OF PAKISTAN

EXTRAORDINARY
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PART II
Statutory Notifications (S.R.O)
GOVERNMENT OF PAKISTAN
MINISTRY OF NATIONAL FOOD SECURITY & RESEARCH

NOTIFICATION

Islamabad, the ———— 2024

S.R.O. (I)/2024:- In exercise of the powers conferred under section 29 of the Agricultural Pesticides Ordinance 1971 (II of 1971), the Federal Government in consultation with the Agricultural Pesticides Technical Advisory Committee (APTAC) is pleased to make the following further amendments in the Agricultural Pesticides Rules, 1973 namely:-

a) In the aforesaid Rules,

In Rule 44:-Registration of Biopesticide, the sub-Rule (3) shall be inserted namely

i) 3) Form 1A and Form 1B shall be inserted after Form 1.

FORM – 1A [See rule 44] APPLICATION FOR REGISTRATION OF MICROBIAL BIOPESTICIDES (to be rendered in triplicate)			R/C R/N R	TEST SUBSTANCE
A	**MPCA- recommended data requirements for registration of the active substance (MPCA)**	DATA/INFORMATION		
1	**Identity of Microbial Pest Control Active (MCPA)**			
1.1	Applicant (name, address, contact, telephone and telefax numbers)		R	TGAI
1.2	Manufacturer(s) (name, address, contact, telephone and telefax numbers)		R	TGAI
1.3	Scientific information		R	TGAI
1.3.1	Scientific name of microorganism to species level or a level sufficient to show taxonomic relation to known microorganisms, especially pathogens		R	TGAI
1.3.2	Accession no. of sample in a recognized culture collection		R	TGAI
1.3.3	Test procedures and criteria, using best available technology, to characterize the strain or serotype;		R	TGAI

	known differences between the modified microorganism and the parent wild strain(s)			
3.5	Include any trade names, common names, developmental code names		R	TGAI/MPCA
1.3.6	Indigenous or non-indigenous at the species level to the intended area of application.		R	TGAI
1.4	Composition of Technical Grade of MPCA/Active Substance			
1.4.1	Concentration of microorganism (and relevant secondary compound (metabolite), if appropriate) in terms of g/kg or g/L (also in % w/w) and CFU or biopotency units		R	MPCA
1.4.2	Composition of microbial material used for manufacture of end use products in terms of g/kg or g/L for each active ingredient including microbial and nonmicrobial impurities.		R	MPCA
1.4.3	Methods of production and quality criteria for the production and storage of the active microorganism. Including quality control measures and information on human/mammalian pathogens.		R	MPCA
1.4.4	Quality control data (measures of quality criteria) from 3 - 5 production batches, including storage stability data.		CR	MPCA
1.4.5	The formation, presence and/or impact of unintentional ingredients (theoretical discussion)		R	MPCA
1.4.6	Physical and chemical properties, if MPCA is produced as a manufacturing product that is stored prior to formulation of end-use products: physical state; density; viscosity or surface tension; explosivity, corrosive character, oxidising properties; technical characteristics as appropriate.		R	MPCA
1.4.7	International regulatory status of microorganism.		CR	MPCA
1.4.8	Sample of MPCA and analytical standard of secondary compound (metabolite) (if requested).		CR	MPCA
2	**Biological Properties of the Microbial Pest Control Agent**			
2.1	Origin of the isolate; method of isolation; preservation and maintenance of strain during development; historical information on testing and use of the strain; history of use of closely related strains or species; Description of any unusual morphological, physiological, pesticidal or resistance characteristics of the MPCA which differ from classical description of the species		R	TGAI
2.2	Natural occurrence of the microorganism including geographic distribution, hosts, habitat, ecological niche, level of natural occurrence		R	TGAI
2.3	Information on target organism(s), including mode of action		R	TGAI/MPCA
2.4	Available information on host specificity; possible effects on species closely related to the target pest.		R	TGAI/MPCA

	forms that may occur.			
	Among closely related species provide information on:			
.6.1	Potential of the microorganism to produce secondary compounds (metabolites) that are of concern for human health and/or the environment.		R	TGAI
2.6.2	Information regarding closely related species.		R	TGAI
2.6.3	Physiological properties, especially effect of environmental parameters on growth.		R	TGAI/MPCA
2.6.4	Description of any plasmids or other extra chromosomal genetic elements involved in pesticidal activity, pathogenicity, toxicity, etc.		R	TGAI
2.6.5	Genetic stability (mutation rate of traits related to the mode of action).		R	TGAI
2.6.6	Detailed discussion of relationship of microorganism to any known human dermatophyte.		R	TGAI
2.6.7	Resistance/sensitivity to antibiotics/antimicrobial agents used in human or veterinary medicine.		R	TGAI/MPCA
3	**Further information on the Microbial Pest Control Agent (Function, Mode of Action, Handling)**			
3.1	Function, e.g. fungicide		R	MPCA
3.2	Field of use, e.g. forestry		R	MPCA
3.3	Information on target crop and target organism(s)		R	MPCA
3.3.1	Details of existing and intended uses (crops, groups of crops, plant or plant products treated and protected)		R	MPCA
3.3.2	Details of harmful organisms against which protection is afforded		R	MPCA
3.3.3	Effects achieved		R	MPCA
3.4	Mode of action			
3.4.1	Information on mode of action		R	MPCA
3.4.2	Information on secondary compounds (metabolites), any toxins and/or degradation products.		R	MPCA
3.5	Information on the possible occurrence of the development of resistance or cross-resistance		R	MPCA
3.6	A material safety data sheet for the Microbial Active Substance		R	MPCA
3.7	Detailed instructions for safe disposal		R	MPCA
3.8	Procedures for the decontamination of water in case of an accident		R	MPCA
3.9	Other/special studies		CR	MPCA
3.10	Crops or products to be protected or treated.		R	MPCA
3.11	Measures to render microorganism harmless, in case of an accident		R	MPCA
4	**Analytical methods and validation**			
4.1	Method to preserve and maintain the master seed stock; criteria for an acceptable level of consistency and integrity of seed stock		CR	TGAI/MPCA
4.2	Production process for Technical Grade		CR	TAGAI

	methods			
	Storage stability test, data and determination of shelf life, if MPCA is stored		CR	MPCA
4.5	Post-registration monitoring methods to determine and quantify residues of viable or non-viable microorganism and secondary compounds (metabolites) (especially toxins)			
4.5.1	Food (where relevant)		CR	MPCA
4.5.2	Feed (where relevant)		CR	MPCA
4.5.3	Animal tissue (where relevant)		CR	MPCA
4.5.4	Soil (where relevant)		CR	MPCA
4.5.5	Water (where relevant)		CR	MPCA
4.5.6	Air (where relevant)		CR	MPCA
4.5.7	Analytical methods for amount or activity of proteinaceous products (where relevant)		CR	MPCA
5	**Toxicological and Exposure Data**			
5.1	Summary: potential of microbial pest control agent to be hazardous to humans with consideration of its pathogenic potential, its ability to infect and pattern of clearance, and its toxicological effects		R	MPCA
5.2	Occupational health surveillance report on workers during production and testing of MPCA		R	MPCA
5.3.	Basic studies			
5.3.9	Acute oral infectivity, toxicity and pathogenicity		R	MPCA
5.4	Acute intratracheal/inhalation infectivity, toxicity and pathogenicity		CR	MPCA
5.5	Acute intravenous/intraperitoneal infectivity		CR	MPCA
5.6	Cell culture study, for viruses and viroids or specific bacteria and protozoa with intracellular replication		CR	MPCA
5.7	Genotoxic potential, especially for fungi and actinomycetes		CR	MPCA
			CR	MPCA
5.8	Toxicity studies on secondary compounds (metabolites) (especially toxins)			
5.8.1	Published reports of adverse effects, especially clinical cases and follow-up studies		R	MPCA
5.10	Other/special studies		CR	MPCA
5.11	Summary of mammalian toxicity and overall evaluation		R	MPCA
6	**Metabolism and residues data**			
6.1.1	Rationale for waiver of residue data based on information showing that MPCA is not hazardous to mammals		R	MPCA
6.1.2	Rationale for waiver based on a substantiated estimation that MPCA is unlikely to occur on treated food/feed stuffs in concentrations considerably higher than under natural conditions.		R	MPCA
6.1.3	Summary of residue behaviour and overall evaluation		R	MPCA
7	**Fate and behaviour in the environment**			

	survival and residual secondary compounds (metabolites) of the microorganism to assess its fate and behaviour in the environment			
7.1.1	Persistence and mobility in soil		R	MPCA
7.1.2	In water		R	MPCA
7.1.3	In air		R	MPCA
7.13	Other special studies		CR	MPCA
8	**Ecotoxicological studies on the MPCA (effects on non-targets)**			
8.1	Avian toxicity		R	MPCA
8.2	Fish toxicity		CR	MPCA
8.3	Toxicity to aquatic species other than fish and aquatic species field testing		CR	MPCA
8.4	Effects on algal growth and growth rate		CR	MPCA
8.5	Effects on aquatic plants		CR	MPCA
8.6	Effects on terrestrial plants		CR	MPCA
8.7	Effects on bees		R	MPCA
8.8	Effects on non-target terrestrial arthropods		CR	MPCA
8.9	Effects on earthworms		NR	MPCA
8.10	Effects on soil microorganisms		CR	MPCA
8.11	Other/special studies		CR	MPCA
9	**Summary and evaluations of environmental impact: summarize all data relevant to environmental impact and assess environmental risk**		R	MPCA
B	**MPCP- Microbial pesticides: recommended data requirements for registration of the formulated products (MPCP)**			
1	**Identity of the Microbial Pest Control Product**			
1.1	Applicant (name, address, contact, telephone and telefax numbers)		R	MPCP
1.2.1	Manufacturer(s) of the preparation and producer of the microbial pest control agent		R	MPCP
1.2.2	Producer of the MPCA		R	MPCP
1.3	Trade name or proposed trade name/brand name and manufacturers code number(s), for the preparation and similar preparations (differences to be specified)		R	MPCP
1.4	Physical state of MPCP (Crop Life formulation type)		R	MPCP
1.5	Function (herbicide, insecticide, etc.)		R	MPCP
1.5.1	Biological function category		R	MPCP
1.6	Other/special studies		R	MPCP

	MPCP and in CFU or biopotency: indicate scientific name and strain designation, and development stage (e.g. spore).			
1.6.2	Composition in terms of g/kg or g/L and % w/w of each ingredient in MPCP, including technical grade, additives, microbial and non-microbial impurities.		R	MPCP
1.6.3	Quality criteria for the production and storage of the MPCP, including range of content of MPCA, presence of human or non-target animal pathogens, maximum acceptable level for microbial impurities and known mammalian toxins.		R	MPCP
1.6.4	Quality control data (measures of quality criteria) from 3 - 5 production batches, including product stored for duration of shelf life if it is metabolically active.		R	MPCP
1.6.5	The formation, presence and/or impact of unintentional ingredients (theoretical discussion).		R	MPCP
2	**Physical, chemical and technical properties of the MPCP**			
2.1	Appearance		R	MPCP
2.2	Storage stability and shelf-life		R	MPCP
2.3	Explosivity, oxidising properties, flash point, flammability, spontaneous ignition, acidity, alkalinity, pH, viscosity, surface tension – as appropriate		CR	MPCP
2.4	Technical characteristics of the MPCP - as appropriate		CR	MPCP
2.4.1	Wettability		CR	MPCP
2.4.2	Persistent foaming		CR	MPCP
2.4.3	Suspensibility and suspension stability		CR	MPCP
2.4.4	Dilution stability		CR	MPCP
2.4.5	Sieve test		CR	MPCP
2.4.6	Particle size distribution		CR	MPCP
2.4.7	Emulsion characteristics		CR	MPCP
2.4.8	Flowability, pourability and dustability		CR	MPCP
2.4.9	Density		CR	MPCP
2.75	Other/special studies			
3	**Data on application**			
3.1	Pest to be controlled, crop to be protected, available information on mode of action (site of uptake, toxic/competitive effect, is microorganism transmitted or translocated to another part of plant?)		R	MPCP
3.2	Available information on the development of resistance in target pest and appropriate mitigation strategy.		R	MPCP
3.3	Application rate in terms of mass/vol of MPCP per unit area/volume (e.g. kg/ha). Content of microorganism in material used (diluted spray, bait, treated seed).		R	MPCP
3.4	Application rate in terms of units of microorganism per unit area/volume		R	MPCP

	volume of diluent)			
.6	Number, timing and conditions of applications, related to: host/pest phenology, duration of protection, application of other pesticides, preharvest interval		R	MPCP
3.7	Precautions to avoid phytotoxic/ phytopathogenic effects on protected crop or on succeeding crops, if appropriate		R	MPCP
4	**Further information on the plant protection or public health product**		R	MPCP
4.1	Packaging: description State weight (or for liquids volume) and the sizes of package the product is to be marketed and for each size the type of compatible package (as of Form-1)		R	MPCP
4.2	Specifications of packaging and measures of its suitability		R	MPCP
4.3	Label instructions regarding cleaning equipment and protective clothing		R	MPCP
4.4	Procedures to clean equipment and protective clothing; measures of their effectiveness		R	MPCP
4.5	Necessary waiting periods for re-entry; recommended protective measures to reduce occupational exposure		R	MPCP
4.6	Label instructions regarding: safe handling and storage		R	MPCP
4.7	Recommendations regarding: handling, storage, transport, fire: specify risks, specify procedures to minimize hazards and the generation of waste.(Covered as of Form-1)		R	MPCP
4.8	Label instructions regarding: cleanup of spills		R	MPCP
4.9	Detailed procedures in case of accident to: contain a spill, decontaminate an area or vehicle, dispose of adsorbents and packaging, protect workers and bystanders, first aid.		R	MPCP
4.10	Procedures for destruction/disposal of MPCP and its packaging		R	MPCP
5	**Methods of analysis**			
5.1	Quality control and post-registration monitoring methods		CR	MPCP
5.2	Storage stability test and determination of shelf life (methods of analysis)		CR	MPCP
5.3	Production process for MPCP		CR	MPCP
6	**Efficacy data**			
6.1	Performance assessment: laboratory or growth chamber		R	MPCP
6.2	Performance assessment: field studies		R	MPCP
6.3	Toxic or pathogenic effects on the crop or host which is protected		R	MPCP

	expected conditions of use. Recommended interval between application of MPCP and chemical pesticide, to avoid loss of efficacy			
6.5	Contribution to risk reduction and integrated pest management strategies, for the targeted crop or resource		R	MPCP
7	**Toxicological studies and exposure data and information for MPCP**			
7.1	Acute toxicity			
7.1.1	Acute oral toxicity		CR	MPCP
7.1.2	Acute percutaneous (dermal) toxicity		CR	MPCP
7.1.3	Acute inhalation toxicity to rats		CR	MPCP
7.1.4	Skin irritation		R	MPCP
7.1.5	Eye irritation		R	MPCP
7.1.6	Skin sensitisation		NR	MPCP
7.2	Operator, bystander and worker exposure - monitoring		CR	MPCP
7.3	Operator and bystander exposure - hypersensitivity		CR	MPCP
7.4	Safety data sheet for each additive		R	MPCP
7.5	Supplementary information		CR	MPCP
7.6	Summary and evaluation of all health effects		R	MPCP
8	**Metabolism and residues data: rationale to waive residue studies**		CR	MPCP
9	**Fate and behaviour in the environment**			
9.1	Sufficient information on the origin, properties, survival and residual secondary compounds (metabolites) of the microorganism to assess its fate and behaviour in the environment		CR	MPCP
9.1.1	Persistence and mobility in soil		CR	MPCP
9.1.2	In water		CR	MPCP
9.1.3	In air		CR	MPCP
9.2	Other special studies		CR	MPCP
10	**Rationale to waive additional testing, based on adequacy of information provided for MPCA, to permit an assessment of the impact of the MPCP on non-target organisms.**			
10.1	Effects on birds		CR	MPCP
10.2	Effects on aquatic organisms		CR	MPCP
10.3	Effects on bees		CR	MPCP
10.4	Effects on terrestrial arthropods other than bees		CR	MPCP
10.5	Effects on earthworms		NR	MPCP
10.6	Effects on soil microorganisms		CR	MPCP
10.7	Additional studies		CR	MPCP

	summarize all data relevant to environmental impact and assess environmental risk			
12	**PACKINGING**			
12.1	State weight (or for liquids volume) and the sizes of package the product is to be marketed and for each size the type of compatible package		R	MPCP
12.2	Classification during transport		R	MPCP
13	**Label Instructions**			
13.1	Label instructions regarding cleaning equipment and protective clothing		R	MPCP
13.2	Label instructions regarding: safe handling and storage		R	MPRP
13.3	Recommendations regarding: handling, storage, transport, fire, specify risks, specify procedures to minimize hazards and disposal of waste.		R	MPCP
13.4	Label instructions regarding: cleanup of spills		R	MPCP
13.5	Detailed procedures in case of accident to: contain a spill, decontaminate an area or vehicle, dispose of adsorbents and packaging, protect workers and bystanders, first aid etc.		R	MPCP
13.6	Procedures for destruction/disposal of MPCP and its packaging		R	MPCP
14	**Methods of Analysis**			
14.1	Methods to determine the MPCA of the product (the accuracy of the method of determination should be stated)		R	MPCP
14.2	Methods to determine the primary and/ or secondary metabolites (if applicable)		R	MPCP
14.3	Production process for MPCP		R	MPCP
15	**DISPOSAL OF SURPLUS BIO PESTICIDES AND THEIR CONTAINERS**			
15.1	Any additional information (see guidelines for disposal of surplus bio-pesticides and their containers)		R	MPCP
16	**Registration / Analysis Fees**			
	As per S.R.O 231(I)/2024 for registration and analysis respectively to be deposited by Treasury Challan payable under budget head Central.		R	MPCP
17	**Declaration**			
	I do hereby apply for registration of the bio-pesticide particulars of which are given above and hereby certify that these particulars are to the best of my knowledge true and correct.		R	

Date _____ Signature _____

Note: The Exemptions from Registrations and Waivers shall be considered as per the updated version of International Code of Conduct on Pesticide Management in accordance with the Guidelines for the regist of microbial, botanical and semiochemical pest control agents for plant protection and public health use

registration authorities in OECD member countries or ICAMA china or the regulatory and registration auth in country of origin but they shall not contradict with the aforesaid relevant code of conduct and guidelines.

FORM – 1B

[See rule 44]

APPLICATION FOR REGISTRATION OF BIOCHEMICAL BIOPESTICIDES

(to be rendered in triplicate)

I	Name and address of the applicant	:	
II	Name and address of the manufacturer	:	
III	Name & address of the manufacturer of formulated pesticide.	:	
IV	Name of the Product (Brand Name/Trade name)	:	
V	Active ingredient (for botanicals provide taxonomical information/ semiochemical provide relevant information given in FAO Guidelines)	:	
VI	Type of product(Plant powder, plant extract, essential oil, mineral, pheromone, synthetically derived substance that is identical or substantially similar to a naturally occurring substance)	:	
VII	Organization name, address and contact point where a reference sample is located	:	
VIII	Manufacturer's Development Code Number(s) if applicable	:	
IX	Location of source of biochemical biopesticide (For products of natural origin from outside of Pakistan are there any vegetative propagules present and describe how the processing or synthesis is expected to result in a product free of any plant pathogens)		
X	**ACTIVE INGREDIENT**		
1	PhysicalState	:	
2	Colour	:	
3	Odor	:	

5	pH		
6	Type of activity against the pest (kills pest, repels pest, attracts pest, induces sterility, disrupts mating, etc)		
7	Mode of action(describe the process that leads to the activity as described in point 6 above and given in FAO guidelines)		
8	History of exposure to man (Not required for pheromones)		
9	Any other relevant properties	:	
XI	**TECHNICAL GRADE MATERIAL**		
1	Source (Name and address of the manufacturer and address where manufactured)(for botanicals provide taxonomical information/ semiochemical provide relevant information given in FAO Guidelines)	:	
2	Physical State	:	
3	Colour	:	
4	Odor	:	
5	Minimum Active Ingredient content in w/w% (semiochemical provide relevant information given in FAO Guidelines)	:	
6	Identity and amount of Impurities (metabolites of concern)and other by products together with information on their possible range expressed as w/w (The applicant shall supply details of impurities).	:	
7	Storage Stability	:	
XII	**FORMULATED PRODUCT**		
1	Name& address of the manufacturer of formulated pesticide	:	
2	Use Category (Biofungicide, Bioinsecticide, Bioherbicide or repels pest, attracts pest, induces sterility, disrupts mating, etc)	:	
3	Type of Formulation	:	
4	Content of Active Ingredient(s) Maximum and minimum amount (% by weight and upper and lower limit)	:	

	intentionally added ingredients and purpose within the formulation (surfactant, diluent, carrier, etc.)		
6	Water Content (above relevant)	:	
7	Appearance	:	
8	Storage Stability	:	
9	Density (for liquids only) or bulk density	:	
10	**Flammability**		
	a) Liquids (Flash Point)	:	
	b) Solids (A statement must be made as to whether the product is flammable / inflammable)	:	
11	Acidity (where relevant)	:	
12	Alkalinity (where relevant)	:	
13	Other properties may in certain cases needs evaluation	:	
14	Wettability (for Dispersible Powers)	:	
15	Suspensibility (for Dispersible Powders and suspensing concentrates)	:	
16	Wet Sieve Test (for dispersible powders and suspension concentration)	:	
17	Dry Sieve Test (for Granules and Dusts)	:	
18	Corrosiveness (package integrity under storage)	:	
19	Known Incompatibilities with other products e.g. pesticides, fertilizers	:	
XIII	**EFFICACY**		
1	Primary evaluation data using harmonized method and reported in a systematically presented complete dossier		
XIV	**TOXICOLOGICAL DATA** (Note; Toxicology data not required for pheromones in dispensers, food grade products or products exempt from registration(as given in FAO guidelines for Biochemical and Semiochemical products)		Include summary of waivers or toxicology studies directly on the active ingredient or substantially similar to the active ingredient
1	Acute Oral Toxicity-rat TGAI and formulated product		
2	Acute dermal- TGAI and formulated	:	

3	Acute Inhalation - TGAI and formulated product	:	
4	Eye irritation - TGAI and formulated product	:	
5	Primary Dermal- TGAI and formulated product	:	
6	Dermal sensitization(Such as photo sensitization) TGAI and formulated product		
7	Subchronic Oral toxicity(TGAI-Only required when significant adverse effects occur during Acute Oral studies)		
8	Prenatal development-preferably rat (TGAI-Only required when significant adverse effects occur during Acute Oral studies- should be on a different species than acute study)	:	
9	In vitro mammalian cell assay (TGAI-only required if active ingredient is suspected of embryogenic or teratogenic effects)		
10	Health records both from industry and agriculture	:	
11	Treatment of poisoning	:	
12	First-aid measures	:	
13	Supplementary Treatment	:	
XV	**RESIDUE STUDIES**		Only required when TGAI have toxicological concern and adverse effects are observed during acute studies. Not required if the combination of application rate and crop consumption data indicate no significant increase in oral exposure compared with existing exposure. Virtually all biochemical biopesticides should be exempt from MRLs)
1	Primary physical chemical and biological data		
2	Identification of residue design of analytical method	:	
3	Reliable residue data from supervised trials	:	
4	Estimation of maximum residue level at harvest	:	

	storage, transport etc.		
6	Estimation of residue level in commodity on sale.	:	
7	Data on disappearance on food preparation, cooking or processing	:	
8	Production of Potential consumer intake, actual intake studies	:	
9	Assessment of actual consumer intake	:	
XVI	**PREDICTION OF ENVIRONMENTAL EFFECTS**		Not required for pheromones unless applied as a granule outside of a trap. Include summary of waivers or toxicology studies directly on the active ingredient or substantially similar to the active ingredient
1	Method of application of bio-pesticide	:	
2	Time of application	:	
3	Rate of application	:	
4	Scale of use (No. of applications etc.)	:	
5	Climatic and geographical locality	:	
6	Effects on Birds (TGAI, but if applied as a granule, test formulated product	:	
7	Effects on Fish (TGAI Only required for product is intentionally applied to bodies of water or expected to significantly drift)	:	
8	Effects on Fish Food Species (TGAI Only required for product is intentionally applied to bodies of water or expected to significantly drift)	:	
9	Effects on Honey Bees(TGAI Only required if the product is applied during bloom to a bee attractive crop and there is expected to be significant exposure)	:	
10	Effects on non-target crop plants(Formulated product- Only required when product is intended to be a bioherbicide or adverse effects to crop plants or weed species have occurred during efficacy testing)	:	
11	Effects on other non-target insects(Such as green lacewings or lady bird beetles. Formulated product	:	
XVII	**DISPOSAL OF SURPLUS PESTICIDES AND PESTICIDE**		

1	Any additional information		
XVIII	**PROPOSAL FOR LABELLING AND DIRECTIONS FOR USE**		
1	A draft label with any additional information not included in the guidelines		
XIX	**PACKINGING**		
1	State weight (or for liquids volume) and the sizes of package the product is to be marketed and for each size the type of compatible packagesfor which the label is approved.		
2	Classification during transport	:	
XX	**METHODS OF ANALYSIS**		
1	Methods to determine the active ingredient of the product (the accuracy of the method of determination should be stated)		
2	Method to determine the amount of impurities and other by-products	:	
XXI	**LABELLED SAMPLES FOR ANALYSIS** The samples shall be dispatched by the manufacturer directly to the Department of Plant Protection.		(Only required where an agency has the facilities to store sample and the equipment and personnel capable of conducting the analysis)
1	Analytical reference standard of 2-10gms		
2	Technical grade material 0.5 - 1.0 kg	:	
3	Formulated product for each formulationas need basis (botanicals/semiochemicals)	:	
XXII	**REGISTRATION / ANALYSIS FEES**		
	As per S.R.O 231(I)/2024 for registration and analysis respectively to be deposited by Treasury Challan payable under budget head Central.		
	I do hereby apply for registration of the pesticide 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

Note: The Exemptions from Registrations and Waivers shall be considered as per the updated version of FAO International Code of Conduct on Pesticide Management in accordance with the Guidelines for the registration of microbial, botanical and semiochemical pest control agents for plant protection and public health uses" Food and Agriculture Organization of the United Nations, World Health Organization, Rome, 2017 or regulatory and registration authorities in OECD countries.

with the aforesaid relevant code of conduct and WHO guidelines.

(F. No._____-)

Muhammad Khurram Jamshed
Deputy Food Security Commissioner-I