

Overview on regulating and inspection of agricultural products in South Africa

by

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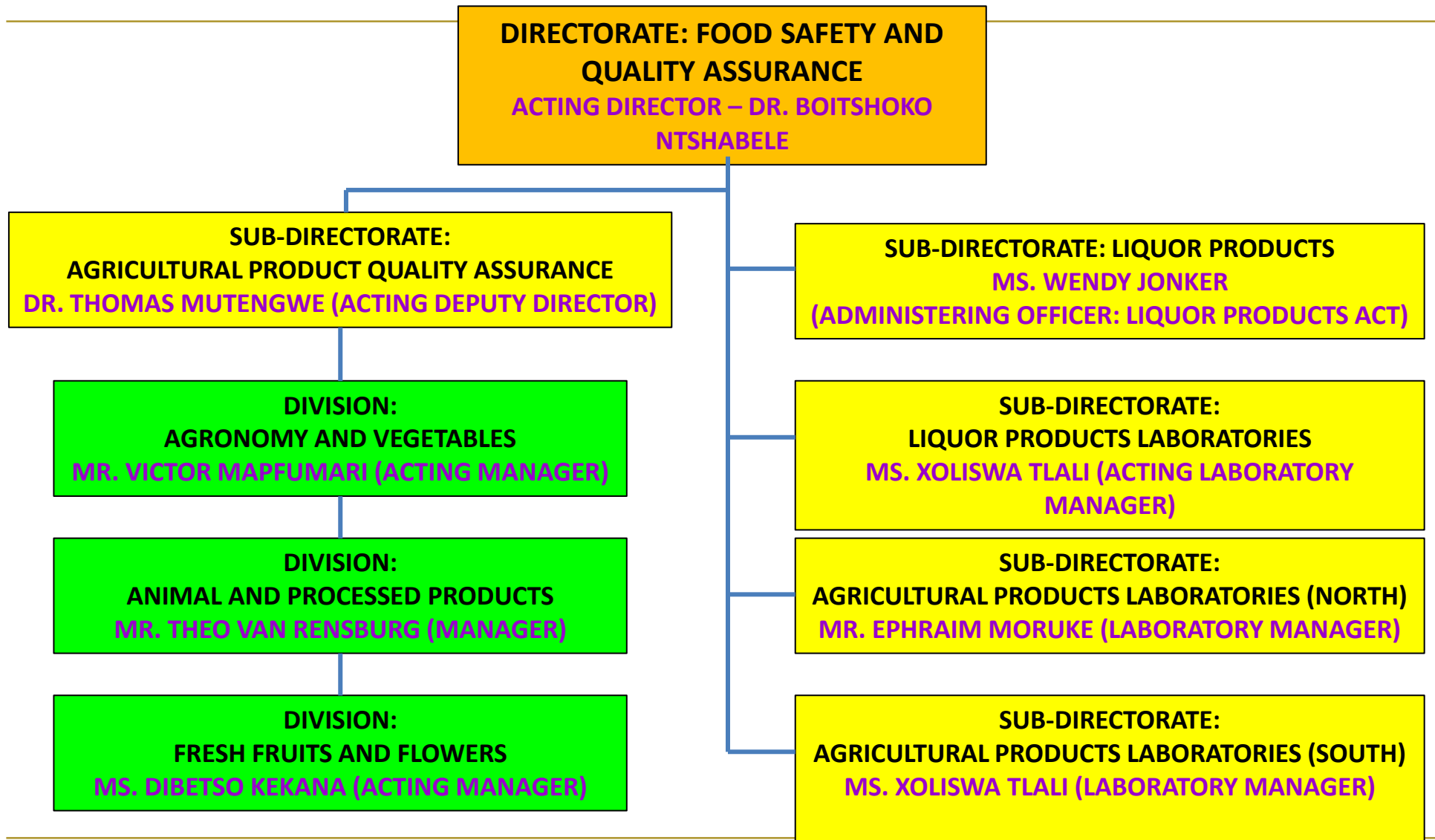
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1. CURRENT STRUCTURE - DIRECTORATE FOOD SAFETY AND QUALITY ASSURANCE



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2. LEGISLATIONS

- **Agricultural Product Standards Act (APS), 1990 (Act No. 119 of 1990)**
 - Regulate agricultural products
 - quality (local and export)
 - food safety (only for export)

- **Liquor Products Act , 1989 (Act 60 of 1989)**
 - the sale and production for sale of certain alcoholic products
 - the composition and properties of such products
 - Import and export of certain alcoholic products



3. REGULATORY FRAMEWORK

Export Regulations	Regulation R707 of 13 May 2005 (Export)	Standards and Requirements (Export)	Regulations (Local and Import)
Application for approval for export	Record keeping and traceability	Requirements for approval	Restrictions over sale
Presentation for inspection	Guides to good practices and guides to application of HACCP	Standards for classes or grades	Standards for classes or grades
Consignment note and procedure for inspection	Hygiene requirements (Good Agricultural Practices)	Packing and marking requirements	Packing and marking requirements
Assessment of the competency of the laboratories	Registration of Food Business Operators	Traceability requirements	Sampling, methods of inspection, quality defects and allowable tolerances
Appeal procedures	Checklists	Sampling, methods of inspection, quality defects and allowable tolerances	



4.1 SUB-DIRECTORATE: AGRICULTURAL PRODUCT QUALITY ASSURANCE

4.1.1 DIVISION: AGRONOMY AND VEGETABLES



List of products regulated: Sorghum, rice, lesser known types of maize, canola, maize, malted barley, maize products, pecan & macadamia nuts, buckwheat, onions and shallots, wheat, garlic, wheat products, tomatoes, dry beans, potatoes, grass seeds, groundnuts, oil seeds, leguminous seeds, pulses, popcorn seeds, beans, sunflower seeds, feed products, and vegetables.



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4.1.2 DIVISION: FRESH FRUITS AND FLOWERS



List of products regulated: Pome fruit (apples, pears), stone fruit (peaches, nectarines, apricots, plums, prunes), table grapes, citrus fruits, avocados, mangoes, litchis, cherries, strawberries, melons & watermelons, pineapples, other/minor fruits (papayas, pomegranates, cactus pears, persimmons, kiwi fruit, berries, granadillas, etc.), bananas, fresh cut flowers & ornamental foliage.



4.1.3 DIVISION: ANIMAL AND PROCESSED PRODUCTS



List of products regulated: Fruit juice and fruit drinks, edible ices, canned fruits, vegetables, pasta and mushrooms, jam, jelly and marmalade, dried fruit, frozen fruit and vegetables, rooibos and honeybush, dairy and imitation dairy products, poultry meat, apricot and peaches kernels, eggs, fat spreads, honey, vinegar, red meat, mayonnaise, salad dressings and table olives, processed meat products, **coffee, chicory and related products, and tea and related products.**



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4.2 SUB-DIRECTORATE: LIQUOR PRODUCTS



List of products regulated: All liquor products with an alcohol percentage of more than 1%, except for medicine and beer, wine, alcoholic fruit beverages (e.g. ciders), spirits (brandy, whisky, cane spirit, rum, etc.), mixed spirits, grape based liquors (e.g. vermouth) and spirit based liquors (liquors, spirit coolers, etc.)



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4.3 SUB-DIRECTORATES: LIQUOR PRODUCTS LABORATORIES AND AGRICULTURAL PRODUCTS LABORATORIES (NORTH AND SOUTH)



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5. GAZETTING OF NORMS, REGULATIONS AND EXPORT STANDARDS

- Norms, regulations and standards are validated by publication in the government gazette under APS Act, 1990.
- Based on specific needs of the SA market.
- **Harmonized with international standards such as:**
 - The Organization for Economic Co-operation and Development (OECD);
 - The Codex Alimentarius Commission (CODEX); and
 - United Nations Economic Commission for Europe (UN/ECE).



5.1 Process for publishing regulations under the APS Act

Step No	Process Step	Detail
1	Information gathering process	Identify the need for the development of regulations
2	Principle Approval	Write a submission to obtain principle approval for drafting the regulations <u>from the Minister</u>
3	Drafting process	by consulting other existing regulations, international standards and industry recommendations
4	Consultaion Process	<u>Publish notice in the Government Gazette to invite comments from the public</u> , consumers trade associations, NGO's industry etc. Send first draft regulation to the all key role players
5	Comments Incorporation Process	Incorporate comments in the regulations and send final draft to role players
6	Certication of Approval	Write submission to obtain approval from the <u>Director-General for World Trade Organisation (WTO)</u> Notification. (60 days waiting period: after receiving comments from the WTO member countries, arrange to have a meeting with the industry to discuss those comments
7	Approval process	Finalize the draft regulation and draft submission for <u>the Minister's approval</u>
8	Legal Certification Process	Send the regulation to the <u>Legal Services for certification and approval process</u> .
9	Publication process	Upon receipt of approved regulation send original signed copy to Legal Services for Publication in the <u>Government Gazette</u> with request for proof reading
10	Information process	Inform all role players of publication of regulation and place the published regulations on the departmental website.
11	Record keeping Process	File the entire correspondents which were received and send out during consultation together with the published regulation.



6. ENFORCEMENT: DESIGNATED ASSIGNEES

Grouping	Designated Assignees	Regulated products
Export	Perishable Products Export Control Board (PPECB)	All products intended for export
Local	Product Control for Agriculture (PROKON)	All fruits and vegetables
	South African Meat Industry Company (SAMIC)	Classification of red meat
	Leaf Services (currently enforced by the Directorate: Inspection Services)	Grain and grain products
	Nejahmogul Technologies and Agric Services	Dairy and imitation dairy products and edible ices
	Food Safety Agency Pty Ltd	Poultry meat and eggs and processed meat products
	Impumelelo Agribusiness Solutions Pty Ltd	Processed products such as fruit juice, fruit drinks, frozen fruit, and canned, etc.



7. REQUIREMENTS FOR APPROVAL

- Comply with the class or grade standards.
- Comply with the container and packing requirements.
- Comply with the marking requirements.
- Samples are drawn randomly in accordance with the requirements.
- Comply with the methods of inspection as per the product type.
- Comply with the prescribed tolerances as per the product type.



7.1 COMPLY WITH QUALITY AND FOOD SAFETY STANDARDS

- Quality comply with the standards for classes e.g. Extra Class, Class 1 and Class 2.

- Food safety:**

Physical hazards



Biological hazards



Chemical hazards



7.2 COMPLY WITH THE CONTAINER REQUIREMENTS

- Shall be clean, dry, undamaged, suitable, free from any visible signs of fungus growth, be strong and rigid enough and be free from Arthropoda infestation.



7.3 COMPLY WITH THE PACKING REQUIREMENTS

- Only fruits of the **same quality, cultivar, ripeness and size** **shall be packed together**; container shall be packed firmly to capacity. Pre-packed units shall be new, clean, dry, undamaged and suitable.



7.4 COMPLY WITH THE TRACEABILITY REQUIREMENTS

- **Traceability** “is the ability to trace and follow a food product through all stages of production, packing, processing, packaging, handling and distribution.”
 - **SANS 22005: 2009** - Traceability in the food and feed chain. General principles and basic requirements for system design and implementation
 - **GS1 standards** – barcodes
 - Department of Health Policy Guidelines: National Food Safety Alerts And Official Food Product Recalls in South Africa
 - **PUC /PHC Codes**
 - **Name and Address**
 - **Pallet Identification**
-



7.5 COMPLY WITH THE MARKING REQUIREMENTS

- The kind of fruit type; appropriate variety; expression Extra Class, Class 1 and Class 2; diameter or size, the Producer Unit Code (PUC) or (PHC); physical or postal address and date code.



7.6 COMPLY WITH THE SAMPLING REQUIREMENTS

Obtaining a sample of the consignment

For the purpose of inspection, grading and sampling for quality control, an inspector shall take such samples of a product, material, substance or other article in question as he or she may deem necessary.



7.7 COMPLY WITH THE METHODS OF INSPECTIONS

- Methods of inspection to be used depend on the product type.
- Some of the methods of inspection includes: determination of minimum and maximum ripeness, minimum diameter, skin thickness, minimum fruit mass, present of seeds, berry size etc.



Size rings



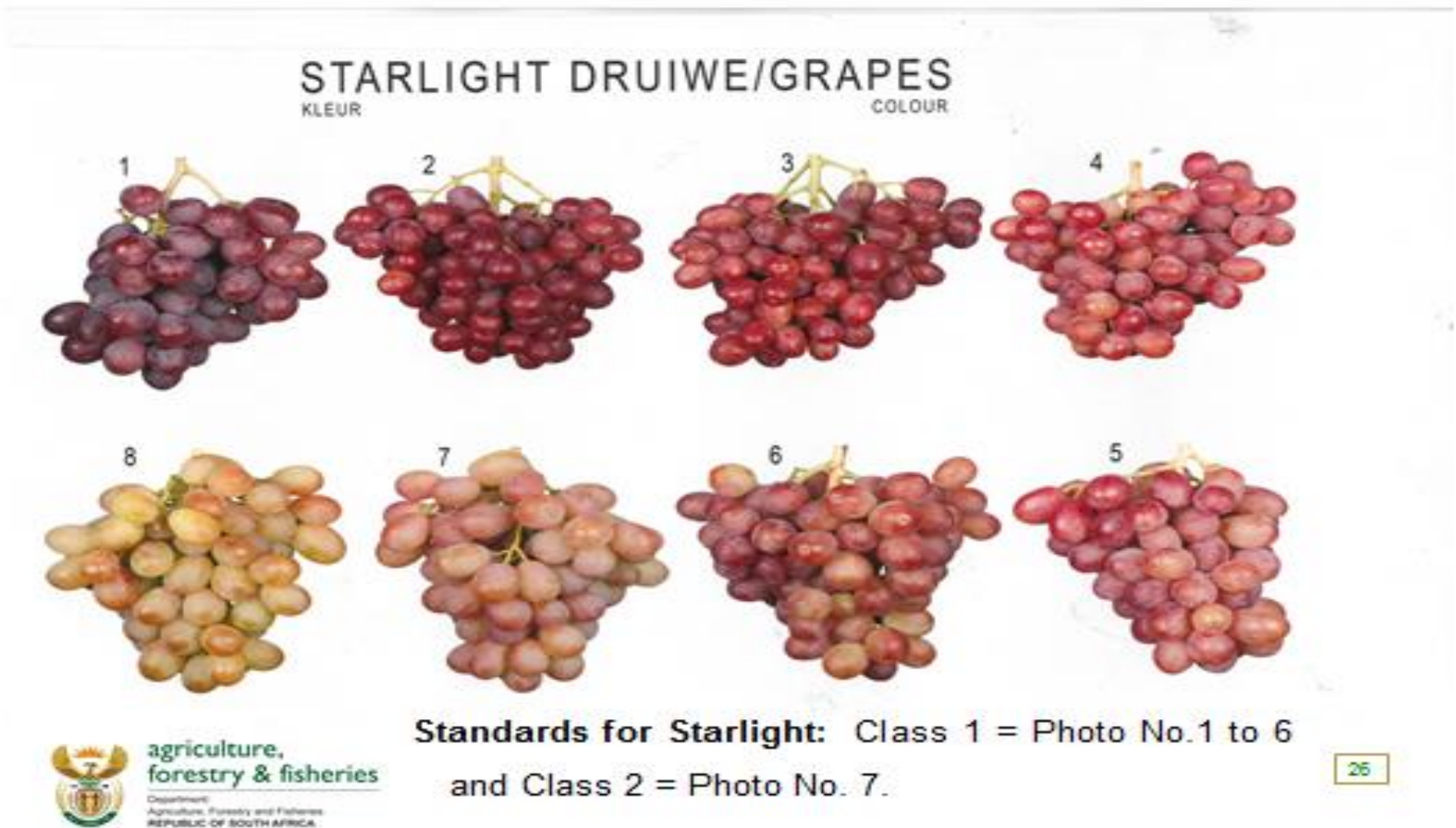
Sampling probes



Digital Refractometer



7.8 TABLE GRAPES COLOUR CHART



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7.9 COMPLY WITH THE TOLERANCES AS PER THE PRODUCT TYPE

Quality Factor	Extra Class	Class 1	Class 2
Bunches with soft berry appearance	0%	One bunch on average per pallet	One bunch on average per pallet
Visible chemical residues	0%	0%	0%
Berry Size	10%	20%	25%
Bunches with dry or wilted stems	0%	One bunch on average per pallet: Provided that no browning occurs	Bunches with wilted stems that show wrinkling are allowed



7.10 SAMPLES FOR TESTING MAXIMUM RESIDUE LIMITS



Sampled according to Standard Operating Procedures (SOP) on sampling and analysis of agricultural products of plant origin to determine agro-chemical residue levels and risk management as part of export inspection and certification in terms of the Agricultural Product Standards Act



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7.11 MAXIMUM RESIDUE LIMITS REGISTERED FOR PEACHES AND NECTARINES

ACTIVES INGREDIENT (MG/KG)	RSA	EU	EXPORT DEFAULT	CODEX	USA	RUSSIA	INDON ESIA	CANADA	VIETNA M	IRAN
ABAMECTIN	0.01	0.02	0.01	0.03	0.09	-	-	0.09	-	0.01
ACEPHATE	1.00	0.01	0.01	-	-	-	-	-	-	-
ACETAMIPRID	0.2	0.8	0.2	0.7	1.2 (STONE)	-	0.7	1.2	-	-
ALPHACYPERMETHRIN	0.2	2.0	0.2	2.0	1.0	-	-	0.2	-	-
AZINPHOS-METHYL	2.0	0.05	0.05	2.0	2.0(P)	-	2.0	2.0	2.0	2.0
AZOCYCLOTIN	2.0	0.01	0.01	-	-	-	-	-	-	0.2
AZOXYSTROBIN	2.0	2.0	2.0	2.0	2.0	-	-	2.0	-	-
BENOMYL/CARBENDAZIM	3.0	0.2	0.2	2.0	-	0.075	2.0	10.0	-	2.0
BETA-CYPERMETHRIN	0.2	2.0	0.2	2.0	1.0	0.1	-	0.2	-	-
BITERTANOL	0.5	0.01	0.01	1.0	-	-	1.0	-	-	-
BUPIRIMATE	0.5	0.3	0.3	-	-	0.1	-	-	-	-
CADUSAFOS	≤0.01	0.01	≤0.01	-	-	-	-	-	-	-
CAPTAB/CAPTAN	15.0	6.0	6.0	20.0 (P) 3.0 (N)	25.0 (N) 15.0(P)	-	3 (N) 20 (P)	5.0	-	15.0
CHLORANTRANILIPROLE	1.0	1.0	1.0	1.0	4.0	1.0	-	2.5	-	-



Complying Export Consignment



Complying consignment (local sale)



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8. HANDLING OF COMPLAINTS

8.1 From importing countries (Non-conformities)

- RASFF-Rapid Alert System for Food and Feed (**Contact Point-DoH**)
 - D: FSQA notifying country, in writing within two working days.
 - **The D: FSQA, D: IS, D: AIC of DALRRD** and the assignee will evaluate the information received and conduct an investigation.
 - Producer or exporter **to provide spray programs**, including names of agrochemicals sprayed, dosages, date of application, withholding periods and actual harvest dates.
 - An explanation why the MRL was exceeded or a specific agro-chemicals was used.
 - D: FSQA to **compile a detailed report** and send it to the importing country notifying the non-conformities.
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8.2 Local Non-conformities

Designated Assignees

- Issuing of a direction
- Seizure



9. Benefits of regulating and inspection of agricultural products

- Competing on an equal footing with other agricultural products from other countries.
- Facilitate market access.
- Provide the consumer with products of consistent quality and food safety compliance.
- Job creation and increase foreign exchange.
- Contribute to local food control.



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