

Regulating Grains and Grain Products in South Africa

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1. OVERALL FUNCTIONS OF THE D: FSQA

- ✓ **AIM:** To regulate food safety and quality assurance of agricultural products.
- ✓ **Objectives:**
 - Regulates and promote food safety and quality of agricultural products.
 - Administer the following Acts and its subordinate regulations:
 - Agricultural Product Standards Act, 1990 (Act no. 119 of 1990)
 - Liquor Products Act, 1989 (Act No. 60 of 1989)
 - Manage the level of risks associated with food, diseases, pests, natural disasters and trade.
 - Registration of Food Business Operators of agricultural products of plant origin.
 - Provide an analytical laboratory service in support of food safety and quality of regulatory system.



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2. AGRICULTURAL PRODUCT STANDARDS ACT 119 OF 1990

- **Agricultural Product Standards Act (APS), 1990 (Act No. 119 of 1990)**

Long title of the Act

“To provide for control over the sale and export of certain agricultural products, control over the sale of certain imported agricultural products; and control over other related products; and for matters connected therewith”

- **Regulates:**
 - **Quality and Composition** (local + export)
 - **Food Safety** (export only)



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3. REGULATORY FRAMEWORK

Export Regulations	Regulation R707 of 13 May 2005 (Export)	Standards and Requirements (Export)	Regulations (Local and Import)	Geographical Indications (GIs)
Application for approval for export	Record keeping and traceability	Requirements for approval	Restrictions over sale	Prohibition on the use of GIs
Presentation for inspection	Guides to good practices and guides to application of HACCP	Standards for classes or grades	Standards for classes or grades	Application for registration as a South African GI
Consignment note and procedure for inspection	Hygiene requirements (Good Agricultural Practices)	Packing and marking requirements	Packing and marking requirements	Registration of foreign GIs that form part of international agreement
Assessment of the competency of the laboratories	Registration of Food Business Operators	Traceability requirements	Sampling, methods of inspection, quality defects and allowable tolerances	Auditing of registered South African GIs:
Appeal procedures	Checklists	Sampling, methods of inspection, quality defects and allowable tolerances		Trade control of registered GIs:



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4. GAZETTING OF NORMS, REGULATIONS AND EXPORT STANDARDS

- Norms, regulations and standards are validated by publication in the government gazette under APS Act, 1990 and Liquor Products Act, 1989.
- 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 (CAC);
 - International Standards Organization (ISO);
 - International Organisation of Vine and Wine (IOV);
 - International Dairy Federation (IDF); and
 - United Nations Economic Commission for Europe (UN/ECE).



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5. REGULATIONS AND EXPORT STANDARDS AND REQUIREMENTS FOR GRAINS AND GRAIN PRODUCTS



Regulations: canola, dry beans, sorghum, wheat, wheat products, maize, maize products, sunflower, soyabean, groundnuts, malting barley, rice, popcorn kernels, and pulses.

Export standards and requirements: buckwheat, dry beans, groundnuts, sorghum, maize, maize products, less known types of maize, oilseeds, leguminous seeds, wheat, grass seeds, feed products, in-shell macadamia, and in-shell pecan nuts.



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6. ENFORCEMENT: DESIGNATED ASSIGNEES

Grouping	Designated Assignees	Regulated products	Other enforcement agencies
Export	Perishable Products Export Control Board (PPECB)	All products intended for export	Wine Spirit Board
Local	Product Control for Agriculture (PROKON)	All fruits and vegetables	National Laboratories (South and North)
	South African Meat Industry Company (SAMIC)	Classification of red meat	Other Officially Recognised Laboratories: <ul style="list-style-type: none"> • Mérieux Nutri Sciences, • KL Analytical Services CC T/A • Labserve, • Hear Shaw & Kinnes, • Hortec, • SABS, • Microchem, • SAGL, • PPECB, and • SGS South Africa Pty Ltd
	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.	



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7. REQUIREMENTS FOR THE APPROVAL OF A CONSIGNMENT

- 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.



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8. Who is involved in the registration of agricultural remedies?

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- Evaluating the agronomic effectiveness of pesticide.
- Issuing the certification of registration.
- Data requirements for setting MRLs.
- Residue date evaluation
- Proposed of MRLs to DoH.

Department of Health

- Toxicological assess and classification of pesticides.
- MRLs establishment.
- Publication & enforcement in term of Foodstuffs, Cosmetics and Disinfectants Act, 1972 (Act No. 54 of 1972).

Department of Environmental Affairs, Forestry and Fisheries

- Environment or ecotoxicological assessment and classification of potential hazards as regards (Pesticides).



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9. SAMPLES FOR TESTING FOR MAXIMUM RESIDUE LEVELS



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10. MAXIMUM RESIDUE LIMITS (MRL) REGISTERED FOR GRAINS

DRY BEANS				
ACTIVE INGREDIENT (MG/KG)	LOCAL SA MRL	CODEX MRL	EU MRL	EXPORT DEFAULT
CHLOROTHALONIL	3	*	3	3
CHLORANTRANILIPROLE	0.01	*	0.01	0.01
CYCLOXIDIM	0.5	30	30	0.5
CYHALOTHRIN	0.2	*	0.05	0.05
CYPERMETHRIN	0.1	*	0.05	0.05
CYPROCONAZOLE	0.05	0.02	0.08	0.02
DIFENOCONAZOLE	0.2	*	0.06	0.06
ESFENVALERATE	0.3	*	0.02	0.02
EPTC	0.05	*	0.01	0.01
FENOXAPROP-P-ETHYL	0.05	*	0.1	0.05
FLUCYTHRINATE	0.1	*	0.01	0.01
FLUSILAZOL	0.05	*	0.01	0.01
FLUTRIAFOSOL	0.05	*	0.01	0.05
FOMESAFEN	0.05	*	0.01	0.05
HALOXYFOP	0.5	3	0.15	0.15
HEXA CONAZOLE	0.05	*	0.01	0.01
IMAZETHAPYR	0.05	*	*	0.05
LAMBDA-CYHALOMETHRIN	0.2	*	0.05	0.05



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11. INSPECTION AND APPROVAL OF PRESENTED FOR EXPORT

- All regulated agricultural products intended for export, including grains and grains product, have to be presented for inspection to the designated assignee, namely the **Perishable Products Export Control Board (PPECB)**



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12. HANDLING OF COMPLAINTS 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 of DALRRD and the assignee will evaluate the information received and conduct an investigation.**



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12. HANDLING OF COMPLAINTS FROM IMPORTING COUNTRIES (NON-CONFORMITIES) CONT.

- Producer or exporter **to provide spray programs**, including names of agro-chemicals 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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