



WEBINAR: 5th WORLD FOOD SAFETY DAY 2023

Role of the Department of Agriculture, Land Reform & Rural Development (DALRRD) in Ensuring Food Safety Compliance in the Republic of South Africa



Mr. Mpho Sekgala
Deputy Director: Biosecurity Prom and Awareness

01 June 2023



**agriculture, land reform
& rural development**
Department:
Agriculture, Land Reform and Rural Development
REPUBLIC OF SOUTH AFRICA



**STAY
SAFE**
VACCINATE TO SAVE SOUTH AFRICA
TOGETHER WE CAN BEAT CORONAVIRUS

Table Contents

- Caveat
- International SPS/ TBT Framework
- Involvement of DALRRD in Codex committees
- Other International organisation
- DALRRD also participate in the other International Organisations
- DALRRD Structure
- Core functions of DALRRD in respect to food safety
- Summary of DALRRD Food Safety legislations and related regulatory aspects
- Some of the commodities regulated in terms of the APS Act
- Some of the food safety precautionary measures within the value chain
- Some of the food safety concerns
- Facilities/ laboratories: used for analysing agricultural products
- Benefits of adhering to the food safety and quality standards



agriculture, land reform
& rural development

Department:
Agriculture, Land Reform and Rural Development
REPUBLIC OF SOUTH AFRICA



**STAY
SAFE**

VACCINATE TO SAVE SOUTH AFRICA

TOGETHER WE CAN BEAT CORONAVIRUS

Caveat

- ❑ The rationale to celebrate World Food Safety Day is to draw attention and inspire action to (i) help prevent, detect and manage foodborne risks (ii). contributing to food security, human health, economic prosperity, agricultural production, market access, tourism and sustainable development.
- ❑ Bacteria, viruses, parasites and molds are some of the risks associated with agricultural produce
- ❑ Every year 600 million people fall sick as a result of around 200 different types of foodborne illness.
- ❑ Foodborne illness is responsible for 420 000 preventable deaths every year.
- ❑ Food safety is an important pillar in respect to the implementation of the agriculture and agroprocessing master plan



agriculture, land reform
& rural development

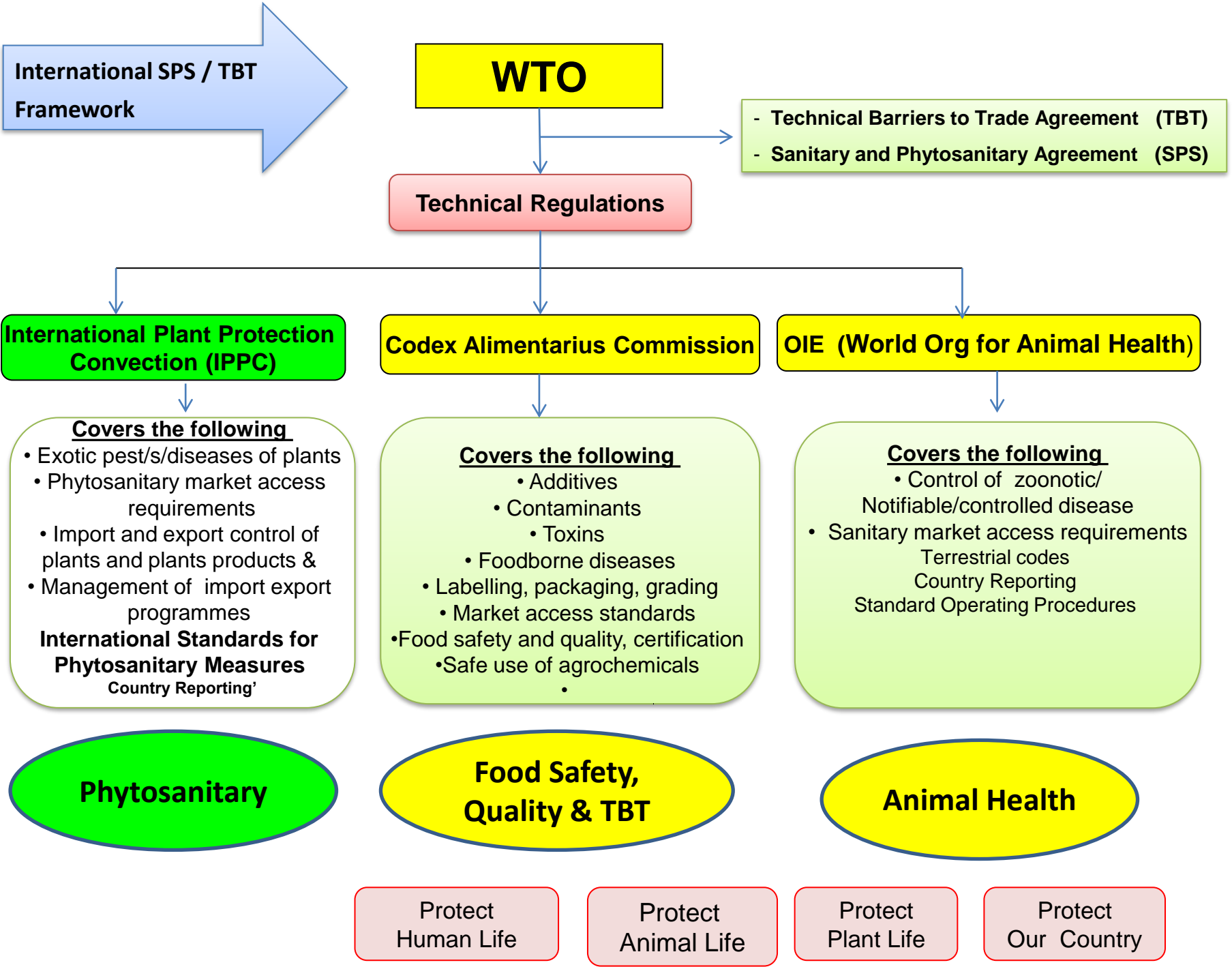
Department:
Agriculture, Land Reform and Rural Development
REPUBLIC OF SOUTH AFRICA



**STAY
SAFE**

VACCINATE TO SAVE SOUTH AFRICA

TOGETHER WE CAN BEAT CORONAVIRUS



International SPS / TBT Framework

WTO

- Technical Barriers to Trade Agreement (TBT)
- Sanitary and Phytosanitary Agreement (SPS)

Technical Regulations

International Plant Protection Convection (IPPC)

Codex Alimentarius Commission

OIE (World Org for Animal Health)

- Covers the following
- Exotic pest/s/diseases of plants
 - Phytosanitary market access requirements
 - Import and export control of plants and plants products &
 - Management of import export programmes
- International Standards for Phytosanitary Measures**
Country Reporting'

- Covers the following
- Additives
 - Contaminants
 - Toxins
 - Foodborne diseases
 - Labelling, packaging, grading
 - Market access standards
 - Food safety and quality, certification
 - Safe use of agrochemicals
 -

- Covers the following
- Control of zoonotic/ Notifiable/controlled disease
 - Sanitary market access requirements
 - Terrestrial codes
 - Country Reporting
 - Standard Operating Procedures

Phytosanitary

Food Safety, Quality & TBT

Animal Health

Protect Human Life

Protect Animal Life

Protect Plant Life

Protect Our Country

Involvement of DALRRD in the Codex Alimentarius Commission

- South Africa is a member of World Trade Organisation, Food and Agriculture Organisation, World Health Organisation and **Codex Alimentarius Commission**.
- DALRRD participates in the following Codex Committees:
 - Codex Committee on Methods of Analysis and Sampling (CCMAS)
 - Codex Committee on Fresh Fruits and Vegetables (CCFFV)
 - Codex Committee on Fats and Oils (CCFO)
 - Codex Committee on Residues of Veterinary Drugs in Foods (CCRVDF)
 - Codex Committee on Processed Fruits and Vegetables (CCPFV) – currently adjourned
 - Codex Committee on Milk and Milk Products (CCMMP) – currently adjourned
 - Codex Committee on Cereals, Pulses and Legumes (CCCPL) – currently adjourned



agriculture, land reform
& rural development

Department:
Agriculture, Land Reform and Rural Development
REPUBLIC OF SOUTH AFRICA



**STAY
SAFE**

VACCINATE TO SAVE SOUTH AFRICA

TOGETHER WE CAN BEAT CORONAVIRUS

DALRRD also participate in the other International Organisations

- ❖ The Organization for Economic Co-operation and Development (OECD);
- ❖ International Standards Organization (ISO);
- ❖ International Dairy Federation (IDF); and
- ❖ United Nations Economic Commission for Europe (UN/ECE).



agriculture, land reform
& rural development

Department:
Agriculture, Land Reform and Rural Development
REPUBLIC OF SOUTH AFRICA



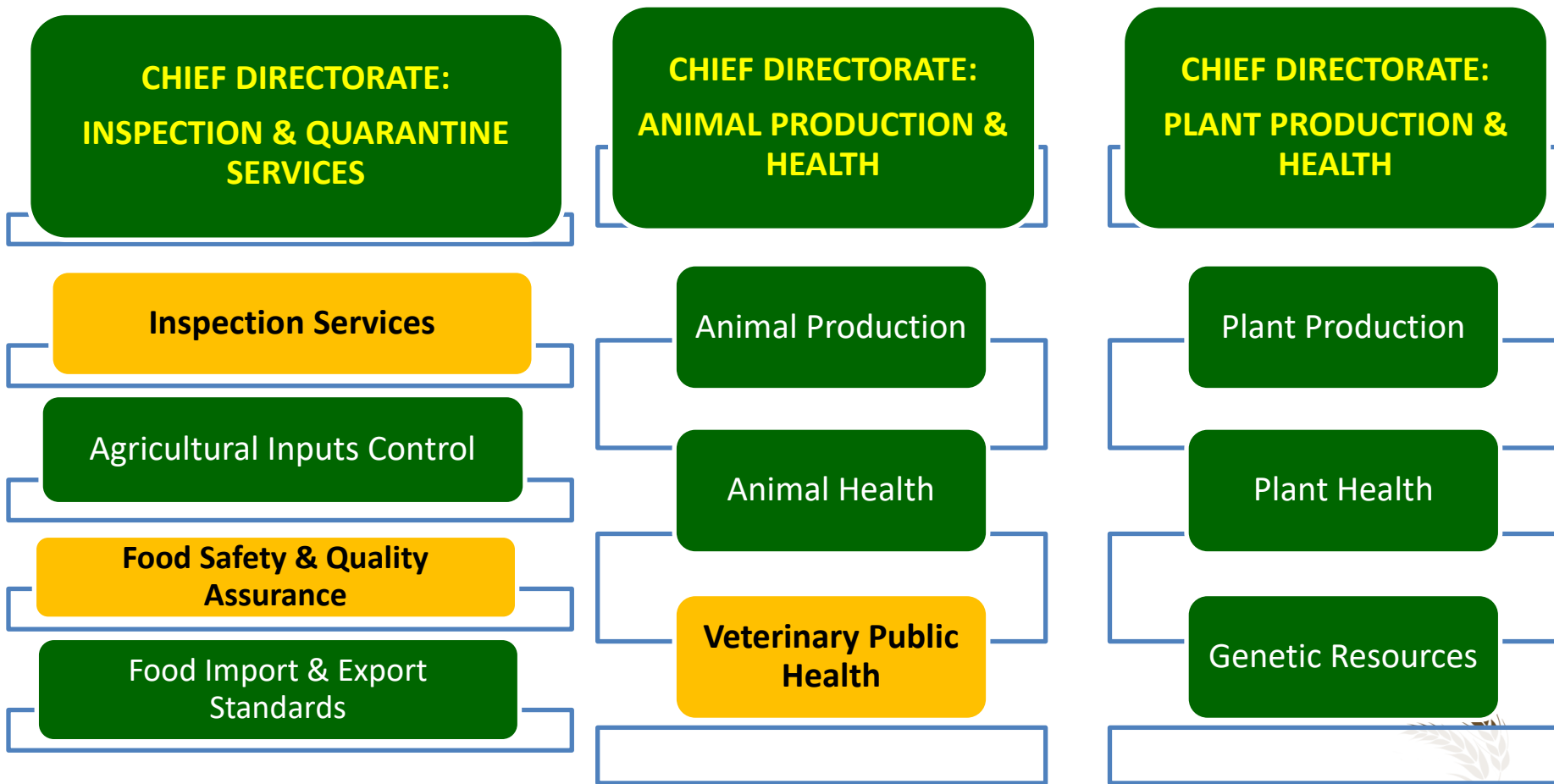
**STAY
SAFE**

VACCINATE TO SAVE SOUTH AFRICA

TOGETHER WE CAN BEAT CORONAVIRUS

DARRLD Structure

(Branch: Agricultural Production, Biosecurity and Natural Resources Management)



agriculture, land reform
& rural development

Department:
Agriculture, Land Reform and Rural Development
REPUBLIC OF SOUTH AFRICA



**STAY
SAFE**

VACCINATE TO SAVE SOUTH AFRICA

TOGETHER WE CAN BEAT CORONAVIRUS

Core functions of the DALRRD in respect to food safety

- Custodian of the national legislation that are based on International Standards (Agricultural Product Standards Act 119 of 1990, Fertilisers, Farm Feeds, Agricultural Remedies and Stock Remedies Act 36 of 1947, Meat Safety Act 40 of 2000, GMO Act 15 of 1997 and other related guidelines.
- Lead the National SPS Committee and participate in national forums
- Focal point for sanitary notifications in respect to exports
- Handle technical negotiations for new markets (imports and exports)
- Conduct inspections in farms and packhouse etc
- Render laboratory services
- Render training and awareness on national legislations, code of best practices and or good agricultural practices
- Participate in different bilateral, multilateral, regional and international food safety and related forums.



agriculture, land reform
& rural development

Department:
Agriculture, Land Reform and Rural Development
REPUBLIC OF SOUTH AFRICA



**STAY
SAFE**

VACCINATE TO SAVE SOUTH AFRICA

TOGETHER WE CAN BEAT CORONAVIRUS

Summary of DALRRD Legislations and regulatory aspects

Directorate	Legislation	Regulatory issues
Directorate: Food Safety and Quality Assurance	Agricultural Product Standards Act, 1990 (Act. No 119 of 1990 – APS Act)	Quality Packaging Labelling
Directorate: Veterinary and Public Health	Meat Safety Act, 2000 (Act No 40 of 2000)	Quality Certification of facilities Labelling Packaging Hygiene
Directorate: Genetic Resources	Genetically Modified Organisms Act of 1997 (Act no 15 of 1997)	Regulates introduction or Establishment of GMO products in SA (Allergens, toxicity etc.)
Directorate: Agricultural Inputs Control	Fertilisers, Farm Feeds, Agricultural Remedies and Stock Remedies Act of 1947 (Act 36 of 1947)	Registration of agrochemicals Safe use of agrochemicals

Some of the commodities regulated in terms of the APS Act

Category	Commodity
Agronomy products	Leguminous seeds, Canola, Dry beans, sorghum, wheat, wheat products, maize products, Sunflower
Deciduous fruits	Apples, Pears, Apricots, Peaches & Nectarines, Plums and Prunes, Grapes
Subtropical fruits	Bananas, Avocados, Litchis, Pineapple
Other fresh fruits	Mango, Blueberries, Guava, Melons, Papaya, Persimmons, Pomegranate, Strawberry, Gooseberry watermelons, Kiwi fruit, Jack fruit, Star fruit, Granadilla, figs, CranberriesFr
Fresh vegetables	Potatoes, tomatoes, onions and shallots, garlic, artichokes, asparagus, eggplant, beetroot, broccoli, Brussel sprouts, butternut, cabbage, peppers, carrots, cauliflower, celery, chillies, Chinese cabbage, baby marrow, cucumber, fennel, gem squash, ginger, green beans, green onions, green peas, lettuce, mushroom, okra, parsley, pumpkins, radish, spinach, sweet corn, sweet potatoes, unspecified vegetables, turnips, witloof chicory, Radish
Citrus fruits	Grapefruit, Kumquats, lemons, limes, oranges, Seville oranges, pummelos
Animal products	Dairy and imitation dairy products, eggs, edible ices, meat, poultry meat, certain raw processed meat products and processed meat products
Processed products	Canned fruit, canned mushroom, canned pasta, canned vegetables, dried fruit, fat spread, vinegar, table olives, coffee, chicory and related products , tea and related products, fruit juice and fruit drinks, frozen fruit and vegetables, Jam, jelly and marmalade, mayonnaise and salads dressing



agriculture, land reform
& rural development

Department:
Agriculture, Land Reform and Rural Development
REPUBLIC OF SOUTH AFRICA



PROTECT SOUTH AFRICA

TOGETHER WE CAN BEAT THE CORONAVIRUS

Some of the food safety precautionary measures within the value chain

1. On-farm	<ul style="list-style-type: none">▪ Avoid use of contaminated water▪ Avoid using contaminated soils or plant medium▪ Avoid livestock, domestic and wild animals in the fields or orchards▪ Avoid injudicious use of agrochemicals e.g. pesticides, vaccines▪ Avoid unhygienic practices▪ Do quality control which include use hygiene practices▪ Have a trained person to lead the team
2. Harvesting	<ul style="list-style-type: none">▪ Avoid causing injuries to the produce▪ Avoid unhygienic practices▪ Avoid using contaminated equipment and picking utensils, bins, picking bags, transport wagons▪ Do quality control which include use of hygiene practices▪ Have a trained team to lead the team
3. Post-harvest	<ul style="list-style-type: none">▪ Avoid improper storage▪ Avoid contaminated storage▪ Do quality control which include use of hygiene practices▪ Have trained person to lead the team▪ Comprehensive sanitation standards operating procedures (SSOP) and maintenance programmes should be implemented and integrated pest management (IPM) should be in place▪ Store meat at required temperatures, food establishments and equipment must be clean all the time.▪ Use clean and proper packaging material

Some of the food safety concerns

Common causes of foodborne illnesses	Example of diseases
Bacteria	<i>Salmonella bacteria</i> <i>Staphylococcus bacteria</i> <i>Listeria</i>
Viruses	<i>Hepatitis A</i>
Parasites	<i>Cyclospora cayetanensis</i>
Molds	<i>Patulin</i>

Chemical and physical hazards are critical concerns too



agriculture, land reform
& rural development

Department:
Agriculture, Land Reform and Rural Development
REPUBLIC OF SOUTH AFRICA



**STAY
SAFE**

VACCINATE TO SAVE SOUTH AFRICA

TOGETHER WE CAN BEAT CORONAVIRUS

Facilities/ laboratories: used for analysing agricultural products



National Laboratories - Stellenbosch (South) and Pretoria (North)

Other Officially Recognised Laboratories:

- Mérieux Nutri Sciences,
- KL Analytical Services CC T/A Labserve
- Hearshaw & Kinnes
- Hortec
- SABS
- Microchem
- SAGL
- PPECB
- SGS South Africa Pty Ltd



agriculture, land reform
& rural development

Department:
Agriculture, Land Reform and Rural Development
REPUBLIC OF SOUTH AFRICA



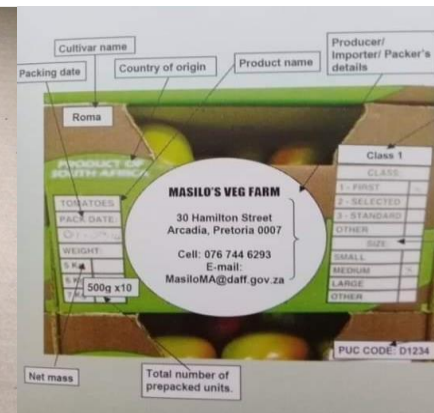
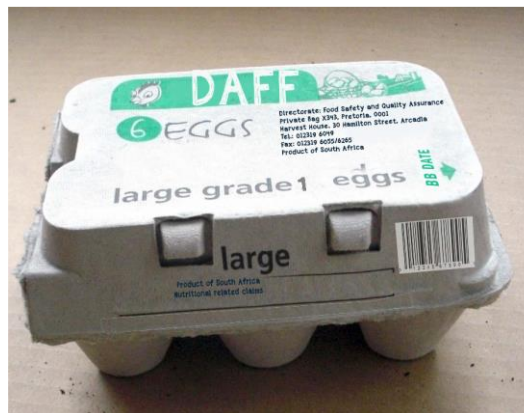
**STAY
SAFE**

VACCINATE TO SAVE SOUTH AFRICA

TOGETHER WE CAN BEAT CORONAVIRUS

Benefits of adhering to the food safety and quality standards

- ❑ Market access
- ❑ Produce and/or sell healthy, nutritious and safe food
- ❑ Quality produce
- ❑ Record keeping
- ❑ Reduce risks associated with foodborne diseases
- ❑ Realistic shelf life
- ❑ Reputable establishment
- ❑ Attract good prices
- ❑ Traceability



agriculture, land reform
& rural development

Department:
Agriculture, Land Reform and Rural Development
REPUBLIC OF SOUTH AFRICA



**STAY
SAFE**

VACCINATE TO SAVE SOUTH AFRICA

TOGETHER WE CAN BEAT CORONAVIRUS



THANK YOU



Mr. Mpho Sekgala
Tel: 012 319 6295
MphoS@Dalrrd.gov.za

Acknowledgement Mr Simphiwe Mathenjwa et al

“Food Standards Save Lives”

#worldfoodsafetyday2023



agriculture, land reform
& rural development

Department:
Agriculture, Land Reform and Rural Development
REPUBLIC OF SOUTH AFRICA



**STAY
SAFE**

VACCINATE TO SAVE SOUTH AFRICA

TOGETHER WE CAN BEAT CORONAVIRUS