



# International Harmonisation Workshop on Commercial Quality Standards for Fresh Fruit & Vegetables for African Countries



UNITED NATIONS  
ECONOMIC COMMISSION FOR EUROPE



**REPORT OF THE INTERNATIONAL WORKSHOP  
ON COMMERCIAL QUALITY STANDARDS FOR  
FRESH FRUIT AND VEGETABLES FOR  
COUNTRIES OF AFRICA**

**Cape Town, South Africa, 20 – 22 April 2010**



**International workshop on commercial quality standards for fresh fruit  
and vegetables for countries of Africa 20<sup>th</sup> to 22<sup>nd</sup> April 2010**



## Introduction

1. The purpose of the workshop was threefold: to promote the use of United Nations Economic Commission for Europe (UNECE) standards for fresh fruit and vegetables as international standards of reference; to explain how UNECE standards are interpreted in the export markets; and to harmonize the practical application and interpretation of the standards among countries of Africa. The workshop also had the core objective of building capacity with regard to horticulture fresh produce quality standards and systems in Africa.

2. The event was organized by the Perishable Products Export Control Board (PPECB), in partnership with the UNECE Agricultural Quality Standards Unit, and hosted in partnership with the South African Department of Agriculture, Forestry, and Fisheries (DAFF).

3. UNECE provided a grant under the United Nations Development Account for sponsoring both delegates from outside South Africa, including international speakers, and 15 small-scale farmers within South Africa. The rest of the workshop was funded by PPECB, with contributions from external sponsors and, registration fees.

4. An official welcoming cocktail function was hosted by the Western Cape provincial MEC for Agriculture, Forestry, and Fisheries. In his keynote address, the Minister of Agriculture, Forestry and Fisheries highlighted that valuable workshops such as this one helped build the capacity of African Institutions and contributed greatly to making of African horticulture globally competitiveness.

5. A total of 109 delegates attended the inaugural workshop. They included government officials from 18 African countries: Angola, Botswana, Democratic Republic of Congo, Egypt, Ghana, Kenya, Lesotho, Madagascar, Malawi, Mauritius, Mozambique, Namibia, Seychelles, South Africa, Swaziland, Tanzania, Uganda and Zambia. Delegates from Nigeria, Senegal, Sierre Leone, and Zimbabwe were unable to attend. A total of 22 provincial and national government officials collectively represented DAFF at the workshop.

6. Twenty-two South African small-scale farmers attended the workshop sponsored by the UNECE and the South African National Agricultural Marketing Council (NAMC). Local exporters of fresh fruits and vegetables, together with the South African Table Grape Institute (SATI), Hortgro, Pioneer Foods, Freshmark, Woolworths, Le Roux Fruit Exporters, Farm secure Agri Science, Swift Laboratories, Extradex, Joburg Market, and Capespan were among the constituents participating in the workshop.

6. The workshop was officially opened by Mr. Molefe Mokoena, Vice Chairperson of the PPECB Board, with a keynote address made by Mr. Bigman Maloa, Deputy



Director General: Food safety and Bio security of DAFF. This was followed by a short introduction made by Mr. Serguei Malanitchev, head of the UNECE Agricultural Quality Standards Unit.

7. The delegations discussed the role and benefits of commercial agricultural quality standards within the broader context of quality assurance, along with food safety, traceability, phytosanitary and other requirements for fresh fruit and vegetable trade. It was highlighted that in order to access export markets consistently, fruits and vegetables should be of an acceptable standard to ensure market access. The UNECE standards, despite their voluntary nature, are internationally recognized in this regard. Technical experts from Germany, Netherlands, and PPECB gave presentations and provided hands-on training on how to apply standards for citrus fruit, table grapes, apples, onions, and sweet peppers.

8. To see growing and packing conditions of fruit within South Africa, the participants visited farms and packing facilities for citrus fruit and table grapes. Delegates were exposed to world-class packing facilities and had the opportunity to pose exploratory questions in respect of optimum production, packing and ensuring compliance with quality, food safety, etc. It was also the first time that the UNECE Explanatory Brochure for Sweet Peppers was used as a reference base to facilitate discussions on sweet peppers. This tool proved very helpful in guiding interpretation of standards on the particular product.

9. Delegates were requested to provide feedback on the status of standards in their countries in terms of the following four factors: status of the legal infrastructure to apply standards, how well the application of standards are developed, what specific standards are applied, and whether countries deemed standards important to their countries competitiveness and sustainability. Despite not all countries having the opportunity to provide feedback at the time of the workshop, it was clear that the quality standards are applied to a minimal level at this stage, with several countries expressing the need for training on quality standards and for governments to provide a conducive legal backing for their enforcement. A further observation was that some countries do, however, monitor compliance with phytosanitary requirements mainly.

10. Daily evaluations on the quality and value of the workshop as well as networking opportunities pointed out delegates' view on the importance of holding similar workshops regularly in Africa, especially in terms of capacity-building. They highlighted the need for funding and for training farmers, traders and inspectors on how to use the standards.

11. The delegations were informed that all of the workshop presentations and material used for technical sessions would be placed on the websites of UNECE ([www.unece.org/trade/agr/welcome.htm](http://www.unece.org/trade/agr/welcome.htm)) and PPECB ([www.ppecb.com](http://www.ppecb.com)). The material for the technical sessions includes presentations facilitating the discussion



of the standards, pictures of all samples discussed, and key findings leading from the various groups during the breakaway technical sessions held over two days.

12. The workshop programme including the field visit and the list of participants are contained in annexes I and II of the current report.

### **Conclusions and recommendations**

1. Implementing commercial quality standards, as a common trading language, is essential for accessing export markets. It is also an important component of a broader system of quality assurance, along with food safety, traceability, phytosanitary aspects and other requirements.

2. An adequate legal and technical infrastructure is required for implementing agricultural quality standards. Enforcing standards is the responsibility of Governments; however, this function can be delegated to assignees of government e.g. the PPECB in South Africa and the Kwailiteits Controle Bureau (KCB) in Holland.

3. Specific governmental policies should be formulated to support the creation of an appropriate inspection infrastructure.

4. Inspection systems should be handled on a risk management basis, as seen in international inspectorates in Germany, Holland and the United Kingdom. However, the history and track record of countries are paramount to such system determining frequency of inspections and sample sizes.

5. Countries should participate in international standards development forums and incorporate standards in their national legislation, keeping legislation updated in accordance with the latest technical considerations. This would enhance market transparency, provide clear information to all stakeholders and protect both industry and the consumer. The benefits of attending these meetings considerably outweigh the cost.

6. Countries are encouraged to use the existing internationally agreed standards and related explanatory material, particularly those developed by UNECE and the Organisation for Economic Co-operation and Development (OECD) Scheme for the Application of International Standards for Fruit and Vegetables. The UNECE standards are becoming increasingly important following the standards reform process within the European Union (EU) during 2009 and are accepted as a common denominator under EC 1580/2007 and EC 1221/2008 to ensure that produce complies with the general marketing standard in case of no specific marketing standard.



7. UNECE standards provide the platform for regional standards as they lend themselves to a good balance between acceptable and marketable quality, as well as providing a language of trade required for facilitating orderly exports. Africa, as a trading block, could consider adopting the application of UNECE standards regionally.

8. UNECE standards are important not only to facilitate international trade, create market transparency, promote quality agricultural products and keep unsatisfactory produce out of the market, but also to protect consumers and improve profitability.

9. Capacity-building and continuous awareness campaigns on the interpretation and practical application of standards are critical to the development of small-scale producers' readiness for export. PPECB could provide considerable value here both in South Africa and in Sub-Saharan Africa. Stakeholders have therefore been informed of the PPECB's openness to being approached in this regard. PPECB is prepared to enter into Memoranda of Understanding (MOUs), which could be a vehicle for exploring opportunities with countries. Similarly, provincial government structures could prove valuable to the sustainability of these initiatives across South Africa.

10. Setting up an efficiently functioning quality inspection system takes time and resources. This work should therefore be phased in gradually, and by exploring collaborative and partnership opportunities. Accreditation under the EC 1580/2007 regulation is strongly recommended for competent inspectorates.

11. The importance of having an established system for inspection recognized within the EU under the equivalence principle is paramount to the sustainability of quality produce to export destinations. This system can only be maintained through the necessary knowledge and skills for competency and the harmonization thereof among inspectors. PPECB highlighted its ability to build capacity, with its existing robust harmonization system to standardise its nearly 150 inspectors countrywide. PPECB is also en route to ISO 17020 accreditation as a mechanism for ensuring competency of inspectors.

12. Investment into Research and Development and post-harvest cold chain management is critical to the success of the fresh fruit and vegetables trade across Europe and inter Africa.

13. As a global benchmark and for reasons of efficiency, the harmonization of food-safety certification systems and their integration into a single recognized alternative e.g. Kenya GAP, is an option that might be explored. Compliance with the EU General Food Law under Regulation EC178/2002 and the relevance of a national control system for third countries was stressed during the SAGAP presentations on food-safety systems.



14. Interaction with other ministries such as departments of trade and industry is important to explore. Similarly, benchmarking needs to be done to obtain a holistic view of what needs to happen in practice to be sustainable and competitive.
15. Representatives of leading fresh produce markets in Africa alluded to the fact that modern fresh produce marketing is synonymous with quality, food safety and orderly cold chain management.
16. For small-scale agriculture sectors, support such as capacity-building initiatives, continuous improvement of pack houses and logistics, as well as a better balance among the different distribution channels, is required for this sector to develop further.
17. Leading table-grape exporters highlighted that to be successful in the value chain of this commodity, role players need to be responsible, with an entrepreneurial approach supported by the necessary expertise.
18. For citrus farms to be successful, staff should be trained in techniques, made aware of the requirements, and of the importance of using suitable equipment. It is essential that investments should be economically viable and orchard mapping and environmental impact studies done.
19. Following the two-day technical sessions, the defects identified as requiring harmonization were: russeting on apples, minimum colour on different citrus types, blemishes on lemons and easy peelers, colouring and sun scorch on grapes, shriveling and shape defects on sweet peppers, mould on onions, and missing outer skins on onions. It was highlighted that, notwithstanding the technical sessions having provided a solid base of what standards on each product entails, there is a noticeable need for harmonization with regard to the practical application of quality standards in terms of the tools, techniques, and interpretation required for inspection.



**Annex 1.**

United Nations Economic Commission for Europe (UNECE)  
Agriculture, Forestry and Fisheries Department (DAFF), South Africa  
Perishable Products Export Control Board (PPECB)

**International Harmonization Workshop on  
Commercial Quality Standards for Fresh Fruit and Vegetables  
for  
Countries of Africa**

South Africa, 20 – 22 April 2010

Venue: Lord Charles Hotel, Somerset West Cape Town

**Draft programme**

- Promoting the use of the UNECE standards for fresh fruit and vegetables as international references
- Building capacity on horticulture fresh produce quality standards and systems in Africa
- Harmonizing the practical application and interpretation of UNECE standards in Africa
- Explaining how UNECE standards are interpreted in the export markets
- Encouraging participation in UNECE standards development

**Monday, 19 April**

**9:00 - 17:00** Delegates arrival  
Preparatory meeting of the organizers and speakers (14:00 - 17:00)

**18:00** Welcoming cocktail, registration and dinner

**Tuesday, 20 April**

**07:15** Registration

**OPENING SESSION**

**08:15** Workshop convenes

**08:30** Opening of the workshop



International workshop on commercial quality standards for fresh fruit  
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**Ms. Molefe Mokoeane**, Vice Chairperson: PPECB Board

**Mr. Serguei Malanichev**, Chief, Agricultural Quality Standards Unit, UNECE

**09:00** Keynote address

**Mr. Bigman Maloa**, Deputy Director General, Department of Agriculture, Forestry and Fisheries, South Africa

**Session 1. INTERNATIONAL STANDARDS AND COMPLIANCE**

Chaired by Mr. Dean Martin and co-Chaired by Dr. Bothle Modisane

**09:30** **The role of UNECE in developing standards for international trade**  
**Mr. Serguei Malanichev**, Chief, Agricultural Quality Standards Unit, UNECE

Focus on: how UNECE develops agricultural quality standards, links to other standards organizations, why should Africa adopt UNECE standards

**09:50** **Implementation of international standards in South Africa**  
**Mr. Alex Serumula**, Food Safety and Quality Assurance Directorate, Department of Agriculture, Forestry and Fisheries, South Africa  
Focus on: how South Africa monitors, interprets, and implements requirements of international standards to ensure compliance

**10:15 - 10:45** Tea break

**10:45** **Practical application of standards by PPECB**  
**Mr. Dean Martin**, Executive, Value Added Services, PPECB  
Focus on: PPECB integrated model on implementation of quality, cold chain, foodsafety, and phytosanitary requirements

**11:10** **South Africa GAP: Food safety requirements**  
**Mr. Nigel Alexander**, PPECB, South Africa  
Focus on: SAGAP and how it relates to GlobalGAP as a global food safety system

**11:35** **Presentation of standards for the practical sessions**  
Standards for citrus fruit and apples: Room 1 for Groups 1 and 2  
Standards for table grapes and vegetables: Room 2 for Groups 3 and 4

**13:00 - 14:00** Lunch

**Session 2. TECHNICAL SESSIONS**

**14:00** Delegates move to breakaway rooms 1 to 4 as per schedule



**Room 1/Group 1 - Citrus fruit (oranges, lemons, grapefruit, easy peelers)**

Facilitators: Cyril Julius, Jurgens Bence and Dawie van Niekerk

**Room 2/Group 2 - Apples**

Facilitators: Mat Kersten and Evelyn Ferreira

**Room 3/Group 3 - Table grapes**

Facilitators: Ian Hewett and Francois Smit

**Room 4/Group 4 - Vegetables (sweet peppers, onions)**

Facilitators: Ulrike Bickelmann and Leon Barnard

**15:00**      **Room 1/Group 4 - Citrus fruit (oranges, lemons, grapefruit, easy peelers)**  
**Room 2/Group 1 - Apples**  
**Room 3/Group 2 - Table grapes**  
**Room 4/Group 3 - Vegetables (sweet peppers, onions)**

**16:00 - 16:30**      Tea break

**Session 3.      TRADE DYNAMICS AND DEVELOPMENTS WITHIN AFRICA**

Chaired by Mr. Shawn Coetzee

**16:30**      **Modern fresh produce marketing in Africa**  
*Mr. Patrick Maphalela*, Joburg Market, South Africa  
Focus on: Development initiatives on fresh produce marketing and quality within the African continent

**16:50**      **Post Harvest and Research & Development**  
*Mr. Mduduzi Ngobo*, PPECB, South Africa  
Focus on: The importance of Research and Development and Post Harvest management of fresh fruits and vegetables

**17:10**      **Farmers' production challenges for export**  
*Mr. Mphangeli Mpukane*, emerging farmer, South Africa  
Focus on: Overcoming the challenges to supply and meet requirements of export markets.

**17:30**      Close of day 1

**Wednesday 21 April 2010**

**Session 4.      PRODUCTION AND HANDLING OF FRESH PRODUCE TO MEET INTERNATIONAL REQUIREMENTS**

Chaired by Dr. Ulrike Bickelmann and co-Chaired by Mr. Mat Kersten

**08:30**      **Table grapes production, packing and exporting chain**



*Mr. Gerhard de Kock*, Grape Alliance Marketing (Pty) Ltd, table grape producer/packer/exporter  
Focus on: how produce are grown and packed to meet international standards and requirements on quality and food safety

**08:55**            **Growing and packing citrus fruit to meet requirements of export markets**  
*Mr. Jaco Smit*, Capespan, South Africa  
Focus on: how citrus are grown, packed, and treated to ensure compliance with quality, sanitary and phytosanitary requirements (IPPC)

**09:20**            **Presentation of standards for the practical sessions**  
  
Standards for citrus fruit and apples: Room 1 for Groups 3 and 4  
Standards for table grapes and vegetables: Room 4 for Groups 1 and 2

**10:45 - 11:15**            Tea break

**Session 5.            TECHNICAL SESSIONS**

**11:15**            Delegates move to breakaway rooms 1 to 4 as per schedule

**Room 1/Group 3 - Citrus fruit (oranges, lemons, grapefruit, easy peelers)**  
**Room 2/Group 4 - Apples**  
**Room 3/Group 1 - Table grapes**  
**Room 4/Group 2 - Vegetables (sweet peppers, onions)**

**12:15**            Delegates move to breakaway rooms 1 to 4 as per schedule

**Room 1/Group 4 - Citrus fruit (oranges, lemons, grapefruit, easy peelers)**  
**Room 2/Group 3 - Apples**  
**Room 3/Group 2 - Table grapes**  
**Room 4/Group 1 - Vegetables (sweet peppers, onions)**

**13:15 - 14:15**            Lunch

**Session 6.            INSPECTION SYSTEMS**

Chaired by Mr. Robbie Robinson and co-Chaired by Mr. Cyril Julius

**14:15**            **New EU regulation on marketing standards**  
*Dr. Ulrike Bickelmann*, Head of Section, Bundesanstalt für Landwirtschaft und Ernährung, Germany  
Focus on: EU legislation, how quality standards are enforced in EU countries, impact of the new EU regulation on developing countries trade

**14:40**            **Quality problems detected by the inspection service of the Netherlands at the point of entry**  
*Mr. Mat Kersten*, KCB, Netherlands  
Focus on: how KCB controls quality of imported produce and most common quality defects found at the point of import (particularly for the products discussed at the workshop)



- 15:05 - 15:30** Tea break
- 15:30** **National quality inspection service in the United Kingdom**  
*Mr. Ian Hewett*, Inspections Delivery Manager, Rural Payments Agency, United Kingdom  
Focus on: how DEFRA controls quality of imported produce by means of a risk-based system
- 15:55** **Wrap-up of key findings during technical sessions, conclusions of the workshop**  
*Dr. Ulrike Bickelmann*, UNECE and *Mr. Shawn Coetzee*, PPECB.
- 16:30** Close of day 2
- 19:00** Dinner, Lord Charles Hotel

**Note: Demonstration alleys during tea breaks**

**Thursday, 22 April 2010**

## **FIELD VISITS**

### **GROUP 1**

- 07:30** **Departure from Lord Charles Hotel**
- 09:00** **Arrival at the citrus packhouse, Paarl, Sandrivier, Jan le Roux**  
Visit to orchards and packhouse, explanation of citrus packing process, final product packaging, cold treatment and degreening of produce
- 11:00** **Departure from citrus packhouse**
- 12:30** **Lunch at restaurant De Doorns (Groups 1 and 2 meet)**
- 14:00** **Closure of the workshop, handing out certificates**  
*Mr. Luvuyo Mabombo*, Chief Executive Officer, PPECB  
*Ms. Ulrike Bickelmann*, Chairperson of the UNECE Specialized Section on Standardization of Fresh Fruit and Vegetables  
*Mr. Serguei Malanitchev*, Chief, Agricultural Quality Standards Unit, UNECE
- 14:30** **Departure from the restaurant**
- 15:00** **Arrival at the table grape farm, Boplaas, Anton Viljoen**  
Visit to orchards and packhouse, explanation of the farm composition, orchard practices, and packing process
- 17:00** **Departure from the table grape farm**



**18:00**            **Arrival at Lord Charles Hotel**

**GROUP 2**

**07:30**            **Departure from Lord Charles Hotel**

**10:00**            **Arrival at the table grape farm, Boplaas, Anton Viljoen**  
Visit to orchards and packhouse, explanation of the farm composition, orchard practices, and packing process

**12:00**            **Departure from the table grape farm**

**12:30**            **Lunch at restaurant De Doorns (Groups 1 and 2 meet)**

**14:00**            **Closure of the workshop, handing out certificates**  
**Mr. Luvuyo Mabombo**, Chief Executive Officer, PPECB  
**Ms. Ulrike Bickelmann**, Chairperson of the UNECE Specialized Section on Standardization of Fresh Fruit and Vegetables  
**Mr. Serguei Malanitchev**, Chief, Agricultural Quality Standards Unit, UNECE

**14:30**            **Departure from the restaurant**

**15:30**            **Arrival at the citrus packhouse, Paarl, Sandrivier, Jan le Roux**  
Visit to orchards and packhouse, explanation of citrus packing process, final product packaging, cold treatment and degreening of produce

**17:00**            **Departure from the citrus packhouse**

**18:00**            **Arrival at Lord Charles Hotel**

**Friday, 23 April**

**08:00**            **Delegates depart for flights**



### Annex III. LIST OF PARTICIPANTS

NO	NAME	POSITION	ORGANIZATION	COUNTRY	E-MAIL CONTACT DETAILS	TELEPHONE CONTACT DETAILS
1	Mr. Randy Stravens	Agricultural Officer	Seychelles Agricultural Agency	Seychelles	Rs25goal@hotmail.com	Tel: 0024 867 6400
2	Mr. Similo Mavimbela	Phytosanitary Services	Ministry of Agriculture	Swaziland	seemelo@yahoo.com	2686050780
3	Mr. Cesarino Benjamim	Standards officer	National Standards Body of Mozambique	Mozambique	bcesarino@yahoo.com.br	tel: 0025 821 300626/0025 882 325 3570
4	Mr. Mamy Andriantsoa	General Manager: Agriculture	Ministry of Agriculture	Madagascar	Mamy.andriantsoa@moov.mg	Tel: 00261 320723344/00261 331411005
5	Ms. Merina Manyala	Central District Horticulture officer	Ministry of Agriculture / Crop Production	Botswana	Merinamanyala@yahoo.com	Tel 00267 463 0473/ 00267 7244 7544
6	Mr. Elias Mangaba	Technical Management	Yorkfarm Limited,	Zambia	magwede2002@yahoo.co.uk	Tel: 260 977 747409
7	Mr. David Kamangira	Principal Plant Protection Officer	Ministry of Agriculture (Department of Agricultural Research) Bvumbwe Research Station	Malawi	davidkamangira@yahoo.com;	Tel: 00265 999 122199 / 00265 888 342712
8	Mr. Domingos João Pereira,	Chefe de Secção de Agro-indústria da Direcção Nacional de Agricultura, Pecuária e Florestas. Passaport n° S0023154,	Angola Trade Office in Johannesburg	Angola	carlosquingolo@yahoo.com.br	Tel: 0711767290
9	Mr. Tchilolo Tchishikugina	Senior Agronomy Engineer	Ministry of Agriculture Direction of Production and Protection of Vegetables	Democratic Republic of Congo	ttchilolo@yahoo.fr; Alternative contact details: rdcongo@atlantic.net	
10	Dr Rose Ann Mohamed	Head: Standards	Agriculture Ministry	Tanzania	roseane.mohamed@kilimo.go.tz; rose_mohamed@yahoo.com	Tel: 255 22757402246
11	Ms. Hilma Ipumdu	Senior Extension Agriculture Technician	Ministry of Agriculture, Water & Forestry Directorate: Extension & Engineering services	Namibia	iipumbuh@mawf.gov.na;kasheetas@mawf.gov.na	Tel: 0026 461208 7467
12	Ms. Teboho Moorosi	Principal Crop Production Officer	Ministry of Agriculture and Food Security	Lesotho	setebu2003@yahoo.com	Tel: 0026 658 944260

**United Nations Economic Commission for Europe, Committee on Trade, Working Party on Agricultural Quality Standards, Specialized Section on Standardization of Fresh Fruit and Vegetables (UNECE)**

**Department of Agriculture, Forestry and Fisheries, South Africa (DAFF)  
Perishable Products Export Control Board (PPECB)**

			Department of Crops Services			
13	Mr. Phillip K. Njoroge	Officer in Charge Plant Inspection Unit Jomo Kenyatta International Airport Kenya	KEPHIS Headquarters P. O. Box 49592 - 00100 GPO NAIROBI	Kenya	pknjoroge@kephis.org	Tel: +254 - 20 - 3526171/2, 0722 859413
14	Mr. Ahmed El Ariny	Agro Business Manager	HEIA & GOEIC	Egypt	aariny@imc-egypt.org	Tel: +20 (10) 1777 411 Tel: +202 (2522) 2228
15	Mr. Julius Rukara	Agricultural Inspector	Ministry of Agriculture, Animal Industry and Fisherie (MAAIF) Department of Crop Protection	Uganda	julrukara@yahoo.com / julrukara@gmail.com	Mobile: 256-772-382421
16	Ms. Abena Safoa Osei	Standards Officer	Standards Division Ghana Standards Board	Ghana	eadetola@ghanastandards.org	Tel: (+233) 21 500231
17	Mr. Makhanya Mzo	Farm Owner	Thulwane Farm	South Africa	makhanyamm@mweb.co.za	0824253562
18	Mr. Israel Nemoarani	Farm Owner	Easy Farms	South Africa	easyfarm@telkomsa.net	0828190445
19	Mr. Mandisa Shabangu	Farm Manager	Sibonelo Lemon Farm	South Africa	huntrex85@telkomsa.net	0786919451
20	Mr. Nyemezele Hambile	Farmer - Eastern Cape	RALLYVALE Citrus	South Africa	akcitrus@procomp.co.za	0824299153
21	Ms. Elsa Diederiks	Farmer	Table Grapes	South Africa	precious@nams.com	012 341 1115
22	Mr. M.J. Matlou	Deputy Chairperson	Winterveldt Citrus Farm	South Africa	gabrielm@polka.co.za	0731931818
23	Mr. Keith Dampies	Farm Owner	Arieskraal	South Africa	'info@kaydeeprojects.com'	0825548751/0218489950
24	Mr. Chrisjan Lambrechts	Farm Owner - Langkloof	Rovon Trust	South Africa	chrisjan@net4all.co.za / rovon@net4all.co.za	0728044658
25	Mr. Walter Williams	Farm Owner - Onions Ceres	Dwarsberg	South Africa	walletfruit@telkomsa.net	023 31 21159/082 8972114
26	Mr. Hulisani Bushy Mphephu	Extension Officer - Vegetables	EciAfrica Consulting	South Africa	bushy.mphephu@eciafrica.com	0799892723
27	Mr. Warren Bam	Emerging Farmer	Lushof (Saron)	South Africa	'Warren@lushoffruit.co.za'	0828907287



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**United Nations Economic Commission for Europe**, Committee on Trade, Working Party on Agricultural Quality Standards, Specialized Section on Standardization of Fresh Fruit and Vegetables (UNECE)  
**Department of Agriculture, Forestry and Fisheries, South Africa (DAFF)**  
**Perishable Products Export Control Board (PPECB)**

		Grapes				
28	Mr. Alec Abrahams	Emerging Farmer - Hexriver	Siyazama/Klippland Farms	South Africa	siyazamabdy@telcomsa.net	0726063815
29	Mr. Leonard Davhana	Chairperson and Sweet Pepper Farmer	Vhembe Garlic Association	South Africa	Picabiz@webmail.co.za	0829 717 270
30	Mr. Mphangeli Mpukane	Farm Owner	White Citrus - Fort Beaufort	South Africa	fly@crocmp.co.za	0724645956
31	Dr. Bothle Modisane	Chief Director: DAFF	DAFF	South Africa	cdfahdm@nda.agric.za	Tel: +27 12319 6500/3
32	Mr. Alex Serumula	Deputy Director: FSQA	DAFF	South Africa	alexs@nda.agric.za	Tel: +27 12319 6004
33	Mr. Patrick Maphalela	Acting COO	Joburg Market	South Africa	pmphahlele@jfp.co.za	Tel: +27 1 9928000
34	Mr. Jaco Smit	Citrus Specialist	Capespan	South Africa	Jaco_smit@Capespan.co.za	-
35	Mr. Serguei Malanitchev	Head: Agricultural Quality Standards	UNECE	Switzerland	Serguei.Malanitchev@unece.org	-
36	Ms. Alissa Mayor	Secretariat	UNECE	Switzerland	Alissa.Mayor@unece.org	Tel: +41-22-917 1265
37	Dr. Ulrike Bickelman	Chairperson: Specialized Section FFV	Bundesanstalt fuer Landwirtschaft Und Ernaehzung (BLE)	Germany	Ulrike.bickelmann@ble.de	+49 228 6845 3357
38	Mr. Ian Hewett	Senior Horticulture Inspector	Horticultural Marketing Institute (HMI)	England	ian.c.hewett@rpa.gsi.gov.uk	Tel. 0208 561 3945
39	Mr. Matt Kersten	Fresh Fruit & Vegetables Trainer	Kwaliteits Cotrolle Bureau (KCB)	Netherlands	m.kersten@kcb.nl	+31651421099
40	Mr. Mooketsi Ramasodi	Unknown	DAFF			
41	Ms. Hanlie Wessels	Manager: Perishable and Flowers	DAFF	South Africa	HanlieW@daff.gov.za	Tel: +27 123196058
42	Mr. Mbulaheni Mutengwe	Senior Inspector: Fresh Fruit and Flowers	DAFF	South Africa	MbulaheniM@nda.agric.za	Tel: +27 12319 6121
43	Mr. Billy Makhofola	Manager: Agronomy and Vegetables	DAFF	South Africa	BillyM@nda.agric.za	Tel: +27 12319 6023
44	Ms. Caroline Makobe	Senior Inspector: Fresh Fruit and Flowers	DAFF	South Africa	CarolineL@nda.agric.za	Tel: +27 12319 6051



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**United Nations Economic Commission for Europe, Committee on Trade, Working Party on Agricultural Quality Standards, Specialized Section on Standardization of Fresh Fruit and Vegetables (UNECE)**  
**Department of Agriculture, Forestry and Fisheries, South Africa (DAFF)**  
**Perishable Products Export Control Board (PPECB)**

45	Mr. Mooketsi Mosome	Inspector: Fresh Fruit and Flowers	DAFF	South Africa	MooketsiMo@nda.agric.za	Tel: +27 12319 6070
46	Mr. Willem Saayman	Chief Inspector	DAFF	South Africa	willems@daff.gov.za	Tel: +27 218091663
47	Mr. Mashudu Mudzwiri	Product Inspector	DAFF	South Africa	mashudumud@nda.agric.za	Tel: +27 12319 6001
48	Mr. Luvuyo Mabombo	CEO	PPECB	South Africa	Luvuyom@ppecb.com	Tel: +27 21930 1134
49	Mr. Dean Martin	Executive: Value Added Services	PPECB	South Africa	Deanm@ppecb.com	Tel: +27 21930 1134
50	Mr. Cyril Julius	Program Manager: Citrus	PPECB	South Africa	Cyril@ppecb.com	Tel: +27 21930 1134
51	Ms. Bulelwa Nombutuma	Head: Communications & Marketing	PPECB	South Africa	Bulelwan@ppecb.com	Tel: +27 21930 1134
52	Mr. Shawn Coetzee	Program Manager: Harmonization	PPECB	South Africa	Shawnc@ppecb.com	Tel: +27 21930 1134
53	Mr. Robbie Robinson	Manager: Cold Chain Services	PPECB	South Africa	Robbier@ppecb.com	Tel: +27 21930 1134
54	Ms. Carol Munro	Marketing	PPECB	South Africa	Carolm@ppecb.com	Tel: +27 21930 1134
55	Ms. Chantill van Rooi	Harmonization Administrator	PPECB	South Africa	Chantillv@ppecb.com	Tel: +27 21930 1134
56	Mr. Jurgens Bence	Harmonization Specialist	PPECB	South Africa	Jurgensb@ppecb.com	Tel: +27 21930 1134
57	Mr. Leon Barnard	Harmonization Specialist	PPECB	South Africa	Leonb@ppecb.com	Tel: +27 21930 1134
58	Mr. Dawie van Niekerk	Harmonization Specialist	PPECB	South Africa	Dawiev@ppecb.com	Tel: +27 21930 1134
59	Mr. Evelyn Ferreira	Harmonization Specialist	PPECB	South Africa	EvelynF@ppecb.com	Tel: +27 21930 1134
60	Ms. Estelle Visser	Standards Coordinator	PPECB	South Africa	EstelleV@ppecb.com	Tel: +27 21930 1134
61	Mr. Francois Smit	Program Manager: Grapes	PPECB	South Africa	Francoiss@ppecb.com	Tel: +27 21930 1134
62	Mr. Sarel van Wyk	Program Manager: Pome & Stone Fruit	PPECB	South Africa	Sarelv@ppecb.com	Tel: +27 21930 1134



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**Department of Agriculture, Forestry and Fisheries, South Africa (DAFF)  
Perishable Products Export Control Board (PPECB)**

63	Mr. Mduduzi Ngcobo	Manager: Research & Development	PPECB	South Africa	Ngcobom@ppecb.com	Tel: +27 21930 1134
64	Mr. Nigel Alexander	Manager: Certifications	PPECB	South Africa	Nigela@ppecb.com	Tel: +27 21930 1134
65	Mr. Thapelo Ndlovu	Senior Inspector	PPECB	South Africa	eddiem@ppecb.com	Tel: +27 13755 2879
66	Mr. Ricardo Cloete	Chief Inspector	PPECB	South Africa	achmadh@ppecb.com	Tel: +27 21552 3408
67	Mr. Marius Scholtz	Senior Inspector	PPECB	South Africa	emmaculatem@ppecb.com	Tel: +27 21872 4566
68	Mr. Bernard Henning	Cold Chain Specialist	PPECB	South Africa	bernardh@ppecb.com	Tel: +27 21552 3408
69	Mr. Zaheer Hoosen	Chief Inspector	PPECB	South Africa	zaheer@ppecb.com	Tel: +27 312361 605
70	Ms. Dawn Diergaardt	Manager: Food safety	PPECB	South Africa	Dawnd@ppecb.com	Tel: +27 12 804 6825/6
71	Mr. Nkosana Mkobane	IT Manager	PPECB	South Africa	nkosanam@ppecb.com	Tel: +27 21 9301134
72	Mr. Maletjile Sydwell Lekgau	Manager Agric value chain	Limpopo: Dept of Agriculture	South Africa	lekgaums@agric.limpopo.gov.za	Tel: +27 15 294 3270
73	Mr. Joseph Hendricks	Farmer	NAMC	South Africa	precious@namc.co.za	Tel: +27 21 870 2936
74	Mr. Sibongile Ndlangalavu	Farmer	Jordon Citrus	South Africa	precious@namc.co.za	Tel: +27 12 341 1911
75	Mr. Morena Nhlapo	Farmer	Bethlehem	South Africa	precious@namc.co.za	Tel: +27 12 341 1115
76	Mr. Pieter January	Farmer	Hortgro	South Africa	precious@namc.co.za	Tel: +27 21 870 2936
77	Mr. Happy Mohane	Farmer	NAMC	South Africa	precious@namc.co.za	Tel: +27 12 341 1115
78	Mr. Jack Moradu	Farmer	Moradu Farming	South Africa	precious@namc.co.za	Tel: +27 15 386 8761
79	Mr. Lawrence Mgdale	Farmer	Ripplemand Citrus Farm	South Africa	precious@namc.co.za	Tel: +27 12 341 1115
80	Ms. Precious Nengwekhulu	Farmer	NAMC	South Africa	precious@namc.co.za	Tel: +27 12 341 1115
81	Mr. Thulasizwe Mkhabela	Farmer	Oudam Boerdery Citrusdal	South Africa	precious@namc.co.za	Tel: +27 12 341 1115
82	Mr. Pieter Van Schalkwyk	QC Manager	Le Roux Fruit Exporters	South Africa	pieter@legroup.co.za	Tel: + 27 21 864 1967
83	Mr. Andre Thopps	Unknown	SA Table Grapes	South Africa	precious@namc.co.za	084 364 1439
84	Mr. Eric Nohamba	Unknown	Konzi Citrus Farm	South Africa	precious@namc.co.za	Tel: +27 46 645 2967
85	Mr. Siyabulela Jakavula	Unknown	Unknown	South Africa	jakavulas@yahoo.com	-



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**Perishable Products Export Control Board (PPECB)**

86	Ms. Gwynne Foster	Unknown	Unknown	South Africa	g.foster@mweb.co.za	082 578 4201
87	Mr. Richard Hurndall	Unknown	DFPT Research	South Africa	richard@dfptresearch.co.za	Tel: +27 2188 8470
88	Mr. Solly Molepo	Unknown	Department of Agriculture WC	South Africa	caanitaha@elsenburg.com	Tel: +27 2180 5210
89	Mr. Sibusiso Hadebe	Unknown	Department of Agriculture WC	South Africa	caanitaha@elsenburg.com	Tel: +27 21 8085170
90	Mrs. Bukelwa Grwambi	Unknown	Department of Agriculture WC	South Africa	caanitaha@elsenburg.com	Tel: +27 218085187
91	Mr. Gilbert Mthuzuzeli Gubu	Unknown	Department of Agriculture PE	South Africa	gmwgubu@yahoo.com	074 502 7831
92	Mr. Hilton Faro	Unknown	Etradex (Pty) Ltd	South Africa	hilton.faro@etradex.co.za	Tel: +27 215528858
93	Mr. Hilton Zandberg	Unknown	Freshmark	South Africa	mgeldenhuys@freshmark.co.za	Tel: +27 219807000
94	Mr. Nathaniel Henry	Unknown	Woolworths	South Africa	nathanielhenry@woolworths.co.za	Tel: +27 214026214
95	Mr. Anton Eccles	Unknown	Etradex (Pty) Ltd	South Africa	anton.eccles@etradex.co.za	Tel: +27 215528858
96	Mr. Mahlodi Legare	Unknown	DAFF	South Africa	SamLe@nda.agric.za	Tel: +27 123198011
97	Mr. Tshepo Ranoto	Unknown	DAFF	South Africa	TshepoR@daff.gov.za	Tel: +27 123198011
98	Mr. Andre De Vries	Unknown	Farmsecure Agri Science	South Africa	czeindler@farmsecure.co.za	Tel: +27 219741928
99	Mr. Lawrence Musisi	Unknown	Eastern Cape Dept of Agriculture PE	South Africa	lawrence.musisi@agr.ecprov.gov.za	Tel: +27 406093373
100	Ms. Nokuthula Cele	Unknown	Durban Dept of Agriculture Dbn	South Africa	ThuleN@nda.agric.za	Tel: +27 313372755
101	Ms. Salamina Maelane	Deputy Director	Durban Dept of Agriculture Dbn	South Africa	SalaminaM@nda.agric.za	Tel: +27 313372755
102	Mr. Charles Park	Unknown	Joburg Market	South Africa	cpark@jfpm.co.za	Tel: +27 1 9928000
103	Mr. James Phaahla	Exhibitor	Joburg Market	South Africa	jphaahla@jfpm.co.za	Tel: +27 119928000
104	Mr. Andries Fourie	Unknown	Provincial Government Free State	South Africa	hans@agric.fs.gov.za	Tel: 015-5061544
105	Mr. Puleng Thoakhlaka	Unknown	Provincial Government Free State	South Africa	hans@agric.fs.gov.za	Tel: 015-5061544
106	Mr. Belinda Esterhuizen	Manager: Quality Assurance	Bokomo (Pioneer Foods)	South Africa	besterhu@pioneerfoods.co.za	Tel: +27 219707300



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Perishable Products Export Control Board (PPECB)

107	Mr. John Donnelly	Director Special Projects	Farmsecure Multimodal Logistics Pty Ltd	South Africa	czeindler@farmsecure.co.za	072 331 1665/021 974 1900
108	Mr. Andre Van Wyk	Technical Manager	South African Table Grape Industry	South Africa	andre@satgi.co.za	082 468 7577
109	Mr. Paul Stewart	Unknown	Swift Micro Laboratories	South Africa	paul@swift.co.za	Tel: 021-6838436



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