CITRUS PRE-SEASON MEETINGS 2024

DALRRD Presentation

Presenter: Tankiso Mpholo

Directorate Inspection Services

Contributor: Directorate Plant Health

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CONTENT

1. **2023 Export Performance**

2. **Procedures:**
   - Citrus Black Spot
   - False Codling Moth (FCM)
   - Fruit Fly (FF)

3. **ISMP 15**

4. **Special Markets**

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DISTRIBUTION OF THE CBS INTERCEPTIONS

INTERCEPTIONS	HITS (2019)	CONTRIBUTION (2019)	HITS (2020)	CONTRIBUTION (2020)	HITS (2021)	CONTRIBUTION (2021)	HITS (2022)	CONTRIBUTION (2022)	HITS (2023)	CONTRIBUTION (2023)
Ethephon test	1	1%	11	8%	1	0	1	0.2%	**3**	**0.6%**
Packhouse delivery CBS	6	5%	5	4%	11	4%	9	2%	**0**	**0**
Re-inspections	1	1%	0	0	0	0	0	0	**0**	**0**
Orchard inspection	60	53%	83	61%	158	56%	288	61%	**257**	**50.4%**
Pack house inspection	46	40%	37	27%	115	40%	152	31.5%	**174**	**34%**
Line inspections	-	-	-	-	-	-	-	-	**76**	**15%**
TOTAL	**114**		**136**		**284**		**475**		**510**	

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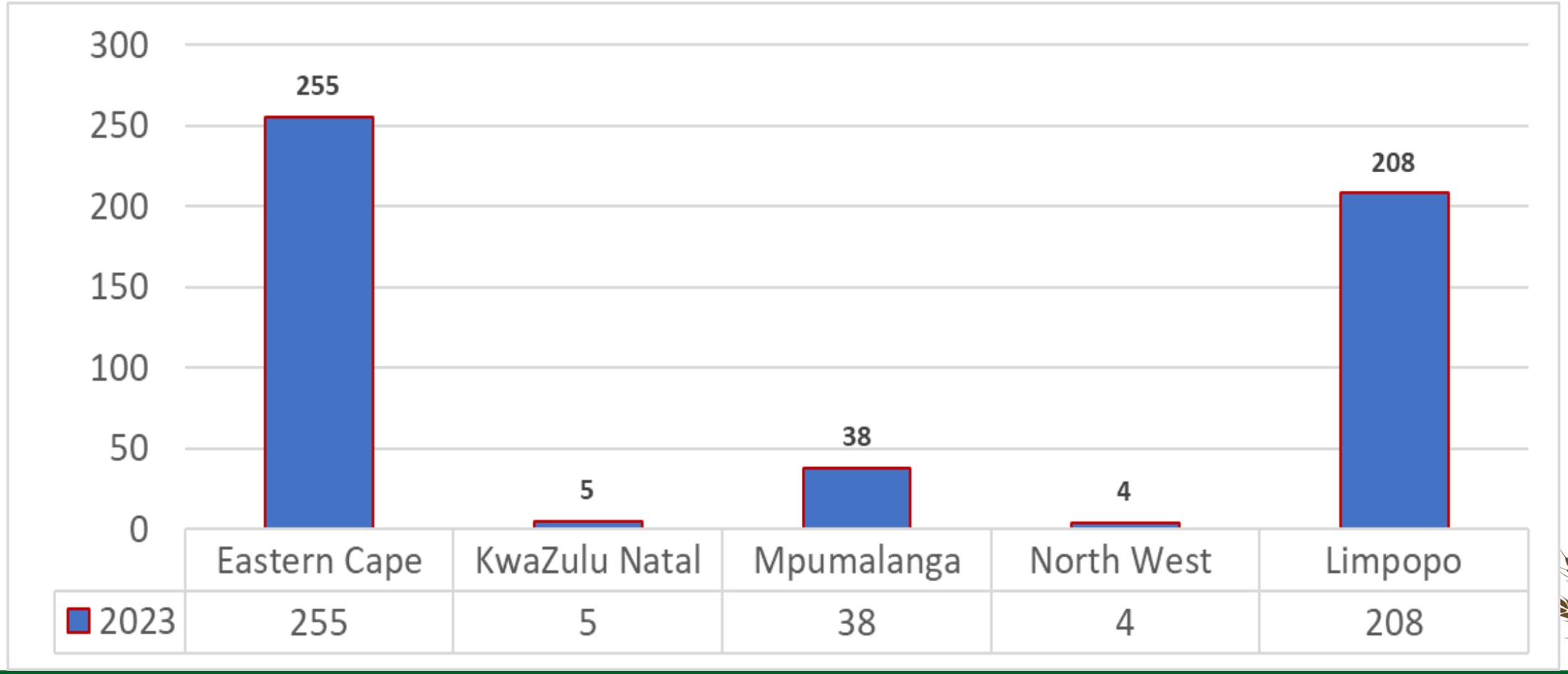
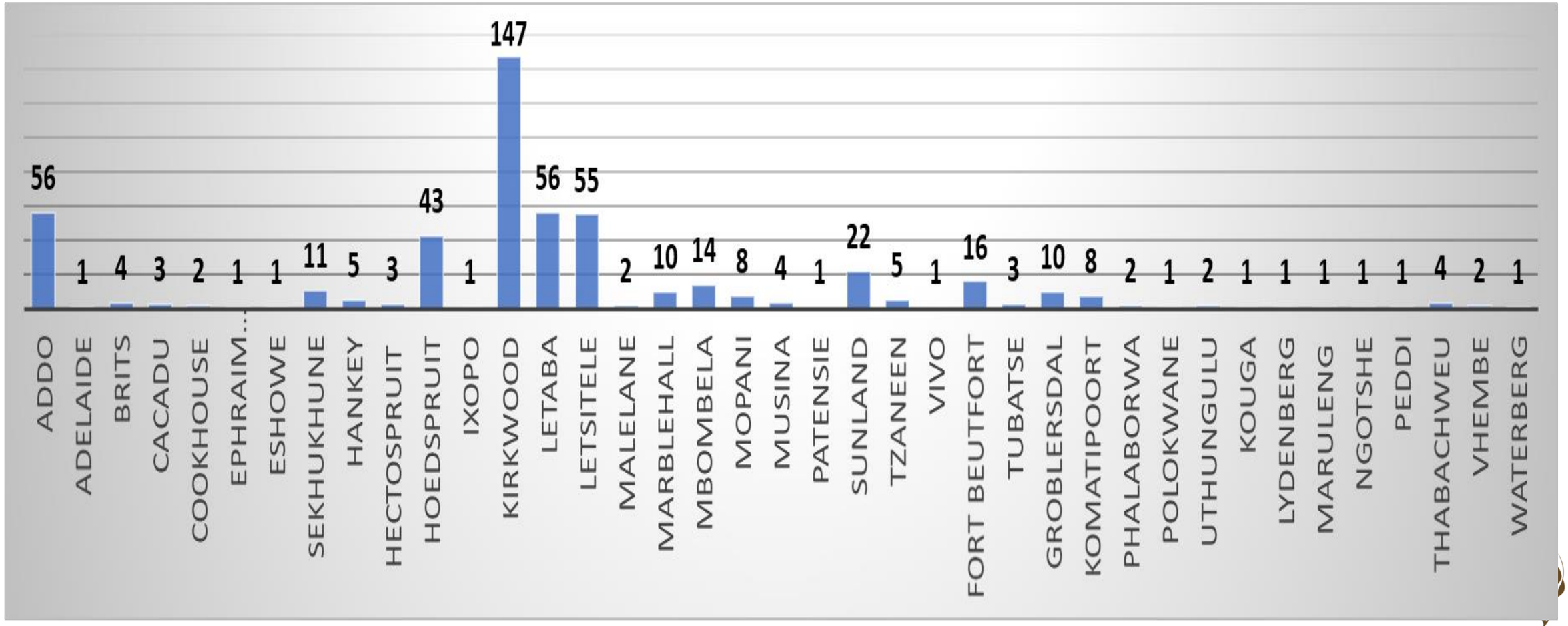
LOCAL CBS INTERCEPTIONS PER PROVINCE



LOCAL CBS INTERCEPTIONS PER AREA



EU INTERCEPTIONS ON SA CITRUS

REASON	2016	2017	2018	2019	2020	2021	2022	2023
P. citricarpa (CBS)	4	23	2	9	6	43	**26**	**48**
T. leucotreta (FCM)	8	68	9	19	14	16	**3**	**3**
Non-European *Tephritidae*	1	0	1	3	0	2	**1**	**0**
Citrus canker								**1**
Citrus scab								**2**
Lobesia vanillana								**1**
WPM (ISPM15)	0	0	2	0	0	6	**12**	**48**
Documentation	13	4	2	16	13	38	**148**	**324**

NEW PESTS INTERCEPTED ON SOUTH AFRICAN CITRUS IN EU

CITRUS TYPE	PEST	EU MEMBER	PROVINCE	DISTRICT
Soft citrus	**Citrus canker**	Spain	EC	Hankey
Lemon	**Citrus scab**	Netherlands	WC	Swellendam
Lemon	***Lobesia vanillana***	Spain	EC	Patensie
Valencia	**Citrus scab**	Netherlands	Limpopo	Hoedspruit

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PROCEDURE FOR THE MANAGEMENT OF CBS 2024

- Legalized by Section 4 of the Agricultural Product Standards Act of 1990 (Act 119 of 1990).

- Definitions:
  - "**citrus black spot**" means a fungal disease caused by *Phyllosticta citricarpa* (McAlpine) Van der Aa;
  - "**Inspector**" means the officer designated under section 2 of the APS Act.
  - "**interception**" means the detection of CBS symptomatic citrus fruit during official inspection on arrival in the EU.
  - "**rejection**" means the detection and disqualification of CBS symptomatic citrus fruit in South Africa during official inspections, in the field or the packhouse.

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PROCEDURE FOR THE MANAGEMENT OF CBS 2024 cont…

Grower

- Shall request the official orchard inspection by using the e-inspect.
- The request should be made no later than 3 weeks before the start of harvest to allow sufficient time for the inspection before the start of harvest of the concerned orchard/s.
- Shall re-apply for inspection for lemon orchards after 90 days, since the lemon inspection report shall be valid for only 90 days.
- Reserves the right to de-register the EU approved orchard during the export season. De-registration of the orchard cannot be done on or during any official inspection.
- Shall apply a marking to orchards that are registered for export to the EU which should indicate an orchard number.

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PROCEDURE FOR THE MANAGEMENT OF CBS 2024 cont…

Packhouse

- Shall ensure that the packhouse samplers undergo the relevant training (i.e. CBS and FCM).
- Shall sample and inspect at least 200-400 fruits per lot (delivery) of specified fruits and the findings must be recorded. (PPECB shall oversee this process atleast weekly).
- Shall have relevant orchard inspection reports/ updated electronic status for every orchard by the time fruit is delivered at the packhouse before packing citrus fruit for the EU market.
- Shall ensure that orchard numbers are present on all cartons and should not be part of the date code.
- Shall not superimpose labels on cartons of consignments that are intended for export to the EU.
- Monitor the compliance of fruit age.

PROCEDURE FOR THE MANAGEMENT OF CBS 2024 cont…

PPECB

- Oversee the sampling of at least 200-400 fruits per lot of citrus and the findings must be recorded.
- Inspect along the line between arrival and packing in the packing facilities, of at least 1 % of citrus per hectare and the findings must be recorded.
- Inspect at least 2% of citrus from every pallet using the latest updated version of the approved PUC and orchard list for the EU.
- Ensure that the detection of one (or more) CBS symptomatic fruit during the above inspections constitutes a rejection.
- In the case of rejection, endorse the consignment note, the packhouse to cosign and the rejection shall be reported immediately to DPH.
- Reject consignments whose marking requirements are not compliant.

PROCEDURE FOR THE MANAGEMENT OF CBS 2024 cont…

Inspection points, loading facilities, inland storage facilities, port storage facilities and cold stores

- Shall be registered annually to participate in exports within the prescribed date and time (registration started).
- Shall ensure that a representative of the facilities attends the compulsory annual pre-season workshop training on EU regulatory procedures that is offered by the NPPOZA and PPECB.
- Shall comply with requirements for phytosanitary inspections, as per the relevant checklist.
- Shall ensure that traceability of consignments is maintained from the packhouse.

Exporters

- Shall register annually to participate in the EU export program within the prescribed period
- Shall attend a compulsory annual pre-season workshop training on EU regulatory procedures by the NPPOZA and PPECB.
- Shall ensure that all loads packed from an orchard that had a CBS status change before certification are re-directed to markets other than EU.

PROCEDURE FOR THE MANAGEMENT OF CBS 2024 cont…

Inspection activities that may result in CBS rejection:

a. Orchard inspections

b. 200 to 400 fruits per lot inspection upon arrival at the packhouse (PDI)

c. 1% inspection along the line between arrival and packing at the packhouse

d. 2% post-packing inspection before departure from the packhouse

e. Fruit age re-inspection (quality only)

f. Valencia symptom expression tests (Ethephon)

g. Regulatory Audits

NB.: CBS rejections only at orchard level (no limit), no more at PUC level.

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PROCEDURE FOR THE MANAGEMENT OF CBS 2024 cont…

PART D: DOCUMENTS THAT ARE LINKED TO THIS PROCEDURE

- **Annexure A**: Procedure for latency expression test for Valencia
- **Annexure B**: Approved Laboratories
- **Annexure C**: Procedure for 1% inspection along the line in the packhouse
- **Annexure D**: Procedure for the inspection of fruit upon arrival at the packhouse
- **Annexure E**: Work instruction for orchard inspection

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PROCEDURE FOR THE MANAGEMENT OF CBS 2024 cont…

CRITICAL

- Any EU registered orchard that is found to have CBS symptomatic fruit(s) during orchard inspections shall be rejected.
- Inspection of the on arrival 200 to 400 fruits per lot (delivery) is an official inspection. Therefore ALL REJECTIONS of CBS during the on arrival inspection must be reported as REJECTIONS.
- Consignments that were not passed for EU at the packhouse will not be allowed to divert to the EU.
- **DO NOT DEREGISTER ORCHARDS WHERE CBS HAS ALREADY BEEN FOUND BY DALRRD/ PPECB.**
- **PPECB shall not reject EU orchards for CBS while inspecting for other markets-**
  - ✓ However, CBS symptoms that are identified on other markets will be recorded for additional risk management purposes.

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CBS PROCEDURE: SYMPTOM EXPRESSION TEST

DALRRD

- Supply seals to growers and ensure traceability of each issued seal number-
  - ✓ Seals will be distributed to the PPECB regions (please indicate the numbers per region).

GROWERS

- Start the testing from **01 April 2024** and all the Ethephon treated samples need to have been inspected by PPECB by **30 June 2024**. Growers are responsible for the dipping and storage.

PPECB

- Central point from which the growers will collect the official seals that will be used for the season.
- Conduct the CBS inspections of the samples 14 days after treatment.
- After inspection, update the Ethephon section of the Phytclean tool and a copy of the generated document will be available as a public record/evidence of the outcome.
- Finding of CBS during this inspection shall be reported to DALRRD as a **rejection**.

CBS PROCEDURE: 200-400 FRUIT INSPECTION ON ARRIVAL

- Ensure that packhouse personnel are trained and records maintained.
- The trained packhouse personnel shall sample 200 to 400 fruits per lot (delivery) upon arrival of the fruit at the packhouse, prior to processing.
- The packhouse manager and PPECB must maintain all records for auditing purposes.
- PPECB inspector shall co-sign the packhouse delivery inspection form after confirming that the pack house delivery inspection was completed.
- PPECB shall oversee the inspection processes conducted by the packhouse personnel in accordance with this procedure at least once a week.
- The packhouse manager must provide the PPECB line Inspector with the results of the pack house "on arrival inspections" prior to the commencement of the 1% line inspections.

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CBS PROCEDURE: 1% INSPECTION

- Spend a minimum of 5 minutes per hectare along the packhouse line/s with the aim to see as much fruit as possible without any obstructions (5 minutes per ha).
- In order to increase the chances of finding Citrus Black Spot (CBS) during this inspection, the sample needs to be inspected prior to sorting.
- Detailed records for the inspection shall be kept for each and every 1% inspection within each and every packhouse with sufficient detail to allow for auditing.
- **It is the responsibility of the packhouse to ensure PPECB is informed 12 hours before packing of fruit from orchards approved for export to the EU. Fruit from orchards not presented will not be allowed to be exported to the EU.**

FCM SYSTEMS APPROACH FOR CITRUS

FRUIT INFESTATION MONITORING

- Preharvest infestation monitoring must be conducted once every two weeks.
- All sanitation fruit collected from an orchard should be pooled on each occasion.
- The total number of fruit collected per orchard must be counted/calculated and recorded.
- The date of the previous sanitation procedure must be recorded, even if no sample was taken for inspection from this previous sanitation.
- A 100-fruit sample of this sanitation fruit must be randomly taken for analysis, regardless of orchard size. If fewer than 100 fruit were collected from the orchard, then all fruit collected must be sampled.
- The process of random sampling involves a) showing no bias for or against any fruit, based on their appearance, and b) selecting the fruit sample from fruit collected from different sections within the orchard.
- All fruit must be dissected and number of fruit infested (larva still present or exited) must be recorded.

FCM SYSTEMS APPROACH FOR CITRUS

- This must be done on the same day that sanitation is conducted and sanitation fruit must be removed and destroyed immediately after they have been counted and the sample for inspection has been drawn.

- The following information must be entered into PhytClean on each sampling occasion:
  - Date of previous sanitation event (even if a sample was not taken to monitor FCM infestation)
  - Total number of fruit collected per orchard
  - Total number of fruit in sample that were infested with FCM (larva present or exited).

- Backdating of information on PhytClean is not allowed (10 days max).

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FCM SYSTEMS APPROACH FOR CITRUS

PACKHOUSE

- Packhouse Delivery Inspection (PDI) must be conducted by trained personnel. Training records and proof of competency evaluation must be safeguarded for inspection/ auditing.
- PPECB shall observe the first PDI process at each packhouse within the first 4 weeks of packing each season, report the findings to the packhouse manager and keep a record of the findings.
- **Only consignments that are approved for the EU shall be certified for the EU (no diverting is allowed).**
- PPECB shall ensure packaging (i.e. carton) compliance for FCM management for EU consignments.
- PPECB shall record the serial ID of the portable logger the data loggers within the EU containers.
- No more orchard interceptions for both FCM and fruit fly consignments.
- Placement of the portable logger during loading must be in the required position and confirmed by PPECB.

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MANAGEMENT OF ISPM 15 Cont…

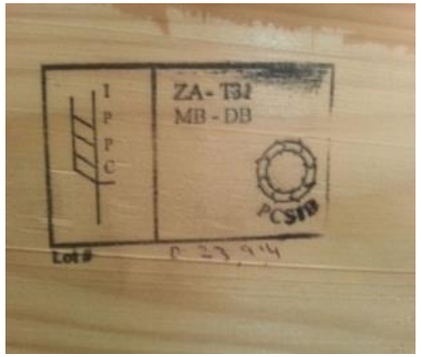
- **The management of ISPM 15 throughout the entire value chain has been officially delegated to the PPECB**.
- Registration database: https://www.dalrrd.gov.za/index.php/publication/392-inspection-services-wood-packaging
- None-compliant ISPM 15 mark on pallets**:**

IPPC logo outside the leaf

Illegible

IPPC logo and the leaf on the wrong side of the mark

Incorrect shape, round instead of square or rectangular



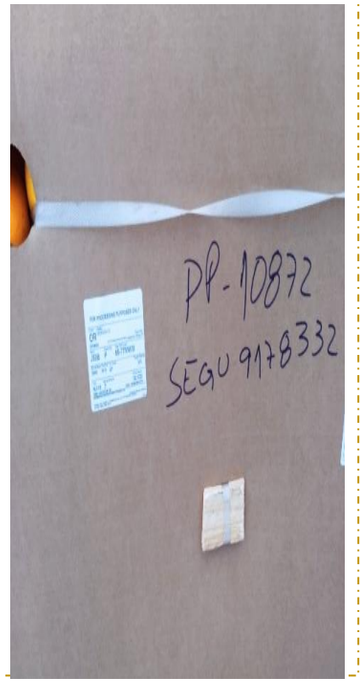
Additional information within the borders of the mark

Illegible
And
incomplete

Hand drawn and no border line separating logo from country information

MANAGEMENT OF ISPM 15 Cont…

Unacceptable wooden dunnage: ISPM 15 mark absent



Acceptable ISPM 15 mark on wooden dunnage

SPECIAL MARKETS: CHINA

Main reasons for DALRRD rejections:

- False codling moth.
- Mealy Bug.
- Marking requirements.
- Unregistered PUCs.

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SPECIAL MARKETS: JAPAN

Main reasons for DALRRD rejections:

- False codling moth.
- **Marking Requirements:**
  - ✓ Superimposing,
  - ✓ Presenting cartons with other market stickers.

SPECIAL MARKETS: SOUTH KOREA

Main reasons for DALRRD rejections:

ON FRUIT	DURING CALIBRATION OF CONTAINERS
Mealy Bug Mussel Scale Marking Requirement Thrips Weed Scale	Taint Out of range Serial numbers on print-out differing from the container. Dirty containers

SPECIAL MARKETS: PHILIPPINES

Main reasons for DALRRD rejections:

- Mealy bugs
- Marking Requirements

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SPECIAL MARKETS: USA

CHALLENGES	CORRECTIVE MEASURES
▪ Phytosanitary challenges (Fruitfly, FCM, Mealybug)	▪ Apply remedial action at Farm level/ verification visits.
▪ Fruit presented with molds continues to be a challenges	▪ Fruit should be rejected at packhouse level by PPECB
▪ External weather conditions created logistical challenges.	▪ Communicate with DALRRD ahead of time to make provision for possible overtime/incidents
▪ Communicating with DALRRD official at inspection points	▪ Communicate challenges on time for DALRRD official on site before escalating
▪ Inspection point not conducive for lengthy inspections ▪ Other fruit types on the inspection floor could result in contamination/hitch-hikers	▪ Engagements with relevant inspection points to highlight the risks

OTHER PRESSING MATTERS

- Packhouses verification will be conducted by the PPECB for the 2024 citrus export season.
- Registration of role players started on the 26th February 2024 until the 5th April 2024.
- Marking Requirements remain a critical and concerning issue on all markets.
- The attendance of the citrus pre-season meetings is compulsory and certificates will be issued.
- Delays on updating fruit infestation monitoring on Phytclean is still a major issue.
- Citrus canker, Citrus scab and CBS in FPA will be surveyed officially for 3 consecutive years.
- DALRRD audits will be implemented during 2024, your cooperation will be appreciated.
- **A new regulation for Organics in EU** which will affect citrus organic producers in South Africa which came into effect on 01 January 2024.
- Outcomes of the EU virtual meeting

OTHER MATTERS

REGION	OFFICIAL	CONTACT NUMBER	EMAIL
Western Cape	Gcobani Tsako	021 809 1641	GcobaniT@dalrrd.gov.za
	Lonwabo Magadule Liezl Wentzel	021 809 1645	LonwaboM@dalrrd.gov.za LiezlVR@dalrrd.gov.za
Eastern Cape	Preggy Pillay	043 407 4019	PreggyP@dalrrd.gov.za
	Makhosi Mchunu Esona Seku	041 407 4031	MakhosiMc@dalrrd.gov.za EsonaS@dalrrd.gov.za
Kwa-Zulu Natal	Kuben Naidoo	031 3688502	KubenN@dalrrd.gov.za
	Charles Mntambo Nhlanzeko Msomi	031 368 8500 031 368 8501	CharlesM@dalrrd.gov.za NhlanzekoM@dalrrd.gov.za
Gauteng	Joey Coetzee	011 971 55106	JoeyC@dalrrd.gov.za
	Poppie Molebatsi (Pretoria)	012 319 6272	PoppieM@dalrrd.gov.za
	Nelspruit Office: Happy Nyalungu Polokwane office: Kgakelane Manaswe	060 973 5155 072 211 6360	HappyN@dalrrd.gov.za KgakelaneM@dalrrd.gov.za

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THANK YOU