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Animal and Plant Health Inspection Service

**Plant Protection and Quarantine**



# California Orange Exports to Korea Work Plan



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## WHAT CITRUS IS COVERED BY THIS WORK PLAN?

- Navel and Valencia oranges produced in California.
- All California counties are eligible for participation in this work plan.
  - However, there may be some restrictions on oranges produced in fruit fly quarantine areas of California.



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# GOOD MANAGEMENT PRACTICES

- Irrigation systems should minimize canopy wetness.
- Mandatory pre-harvest spray treatment based on UC-KAC model.



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# PREHARVEST FUNGICIDES

- A zinc-copper-lime spray is to be applied.
- Mandatory to have 1 spray prior to export (October/November).
- Spray records must be on file in pack house prior to phytosanitary certification.
  - Note. Grower lot number must be on Pesticide Use Report file copy.



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*KOREA Grower lot # KOR-XXX*

STATE OF CALIFORNIA  
DEPARTMENT OF PESTICIDE REGULATION  
PR-ENF-017C (REV. 2/99)

**PRODUCTION AGRICULTURE MONTHLY PESTICIDE USE REPORT**

Submit to the Agricultural Commissioner within 10 days of the month following application.

January \_\_\_\_\_  
Month \_\_\_\_\_ Year \_\_\_\_\_

Nursery

Operator ID/Permit No \_\_\_\_\_ Operator (Grower) \_\_\_\_\_ Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Site Identification No \_\_\_\_\_ Total Planted Acres/Units \_\_\_\_\_ County Number \_\_\_\_\_ Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_  
Base & Meridian  N  S  E  W  S  M  H

Commodity/Site Treated \_\_\_\_\_ Field Location \_\_\_\_\_

Chemical Code Number	Date/Time Application Completed	Acreage/Units Treated	Application Method (Check One)	Block ID (If Applicable)	EPA or State Registration Number (From Label)	Total Product Used	Days Reentry	Rate Per Acre	Dilution	Product and Manufacturer
			Ground <input type="checkbox"/> Air <input type="checkbox"/> Other <input type="checkbox"/>			<input type="checkbox"/> LB <input type="checkbox"/> OZ <input type="checkbox"/> PT <input type="checkbox"/> QT <input type="checkbox"/> GA				
			Ground <input type="checkbox"/> Air <input type="checkbox"/> Other <input type="checkbox"/>			<input type="checkbox"/> LB <input type="checkbox"/> OZ <input type="checkbox"/> PT <input type="checkbox"/> QT <input type="checkbox"/> GA				
			Ground <input type="checkbox"/> Air <input type="checkbox"/> Other <input type="checkbox"/>			<input type="checkbox"/> LB <input type="checkbox"/> OZ <input type="checkbox"/> PT <input type="checkbox"/> QT <input type="checkbox"/> GA				
			Ground <input type="checkbox"/> Air <input type="checkbox"/> Other <input type="checkbox"/>			<input type="checkbox"/> LB <input type="checkbox"/> OZ <input type="checkbox"/> PT <input type="checkbox"/> QT <input type="checkbox"/> GA				
			Ground <input type="checkbox"/> Air <input type="checkbox"/> Other <input type="checkbox"/>			<input type="checkbox"/> LB <input type="checkbox"/> OZ <input type="checkbox"/> PT <input type="checkbox"/> QT <input type="checkbox"/> GA				
			Ground <input type="checkbox"/> Air <input type="checkbox"/> Other <input type="checkbox"/>			<input type="checkbox"/> LB <input type="checkbox"/> OZ <input type="checkbox"/> PT <input type="checkbox"/> QT <input type="checkbox"/> GA				
			Ground <input type="checkbox"/> Air <input type="checkbox"/> Other <input type="checkbox"/>			<input type="checkbox"/> LB <input type="checkbox"/> OZ <input type="checkbox"/> PT <input type="checkbox"/> QT <input type="checkbox"/> GA				
			Ground <input type="checkbox"/> Air <input type="checkbox"/> Other <input type="checkbox"/>			<input type="checkbox"/> LB <input type="checkbox"/> OZ <input type="checkbox"/> PT <input type="checkbox"/> QT <input type="checkbox"/> GA				
			Ground <input type="checkbox"/> Air <input type="checkbox"/> Other <input type="checkbox"/>			<input type="checkbox"/> LB <input type="checkbox"/> OZ <input type="checkbox"/> PT <input type="checkbox"/> QT <input type="checkbox"/> GA				

Report Prepared By \_\_\_\_\_

Date \_\_\_\_\_

Reviewed By \_\_\_\_\_

For Agency Use Only



# PREHARVEST FUNGICIDES

- A second/third application must be based on the UC-KAC forecasting model following the first treatment for those varieties that will be harvested after February.
- Timing of the second/third application are based on regional climatic conditions (temperature and rainfall).
- Grower lots not meeting the spray timing requirements are not eligible for phytosanitary certification under this work plan.



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## **SAMPLING OF ORANGES FOR LAB EVALUATION (FRESNO & TULARE COUNTIES)**

- All grower lots produced in Fresno & Tulare Counties will be sampled.
- All positive grower lots from the previous season will be sampled.
- Growers/packing house will be responsible for sampling the fruit.
- Only symptomatic fruit are to be submitted for lab evaluation.



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## SAMPLING SIZE

	Up until Feb 7	After Feb 7
Navel oranges	20	30
Valencia oranges	10	10
Re-participation samples	2X	2X



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## RE-PARTICIPATION

- Positive grower lots that were excluded from export to Korea last season must be tested.
- If *Septoria citri* is detected in the same grower lot for 3 consecutive years, this grower lot will be excluded from export to Korea.\*

\*NPQS & APHIS will consult on re-participation of the grower lot, prior to it becoming eligible again for export to Korea.



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# LABORATORY EVALUATION

- Molecular PCR, Incubation testing or visual evaluation.
- Lab results are only valid for up to 45 days from date of official lab notification.



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## **PACKING HOUSE RECORDS**

- All packing houses exporting oranges to Korea will be registered with CCQC and APHIS.
- Packing houses must maintain a list of growers and grower lot numbers packed at the facility.



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## **PACKING HOUSE RECORDS**

- All mandatory spray records for exports to Korea must be on file (Grower lot number must be on Pesticide Use Report file copy).
- Records of lab results for oranges from Fresno & Tulare counties, as well as previous positive grower lots must be on file.



## **PACKING HOUSE SAMPLE PALLET**

- The packing house must assemble a pallet which must contain a representative sample from each grower lot in the shipment.
- This sample pallet will be located near the rear doors of the container to facilitate location by NPQS officials upon arrival in Korea.
- Each sample pallet must have a pallet tag listing all the grower lots on the pallet (pallet tags for this work plan are to be obtained from CCQC).
- **No more than 7 grower lots** per container will be accepted by Korea.



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# 샘플 팔레트

Packing House Name: \_\_\_\_\_

Grower Lot #s: \_\_\_\_\_

SAMPLE PALLET



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## PACKING HOUSE

- Each packing house must have at least 2 technicians trained in identifying the symptoms of *Septoria citri*.
- The technicians must be present during the packing process to pre-screen fruit for symptoms of *Septoria citri*, and during visits by NPQS.
- If *Septoria citri* is detected in the packing house, the involved grower lot will be ineligible for certification to Korea for the remainder of the season.



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## ON-SITE MONITORING BY NPQS

- NPQS will conduct on-site monitoring of the program in Fresno and Tulare Counties.
- During Navel season: 4 inspectors for 4 weeks
- During Valencia season: 1 inspector for 3 weeks
- During the monitoring visits, the NPQS inspectors may visit:
  - Groves
  - Packing houses (operations and phytosanitary inspections)
  - Sampling activities
  - Laboratory activities



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# PHYTOSANITARY INSPECTION

- Before any phytosanitary inspection is conducted, regulatory officials must review:
  - spray record(s) to insure mandatory sprays were applied at the proper time(s).
  - lab results to insure grower lots produced in Fresno & Tulare counties and positive grower lots from the previous season were tested within 45 days.



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# PHYTOSANITARY INSPECTION

- Each carton will have:
  - The name of the packing house as registered with APHIS/CCQC.
  - Specific grower lot number(s) in the shipment.
- The fruit will be inspected at the 2 percent level and that the inspection consists of representative samples taken from each grower lot making up the shipment.



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# PHYTOSANITARY INSPECTION

- If *Septoria citri* is discovered and confirmed, the involved grower lot will be ineligible for certification to Korea for the remainder of the season.



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# PHYTOSANITARY CERTIFICATE

- Each Phytosanitary Certificate will list in the Distinguishing Marks:
  - The name of the packing house
  - Specific grower lot number(s) in the shipment
- ! Phytosanitary certificates will not be issued for shipments containing more than 7 grower lots.



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# PHYTOSANITARY CERTIFICATE

- Each Phytosanitary Certificate shall have the appropriate additional declarations listed by the work plan and EXCERPT.



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## PORT OF ENTRY INSPECTION

- Upon arrival, Korea will fumigate oranges after inspection.
- Korea will reject shipments of more than 7 grower lots.



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## PORT OF ENTRY INSPECTION

- If the importer requests to have the shipment inspected by grower lot and *Septoria citri* is detected in a shipment, Korea shall limit the regulatory action to only those cartons bearing that identical grower lot number.
- Those grower lot numbers would be removed from the containers and excluded from further exports to Korea for the remainder of the season.



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## PORT OF ENTRY INSPECTION

- If the importer requests that the inspection unit is the entire shipment (not the individual grower lots) and *Septoria citri* is found, the entire shipment is rejected and will be re-exported or destroyed.



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## PORT OF ENTRY INSPECTION

- If a phytosanitary certificate is issued for a shipment containing a *Septoria citri* positive lot the day after official notification is received from NPQS, the entire shipment will be rejected.
- If a phytosanitary certificate is issued for a shipment containing a *Septoria citri* positive lot on or before the day official notification is received from NPQS, only the involved grower lot(s) will be rejected.



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**THANK YOU!**