

# New Maximum Residue Limits (MRLs) for Export Markets

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# Introduction

- Maximum Residue Limits (MRLs)
- Represent the legal tolerances of different countries for residues of different chemicals (often pesticides) on fruit & vegetables.



# Changes in Japanese MRLs

- New provisional MRLs have been implemented as of May 29, 2006.
- Violations will result in new testing requirement:
  - 1<sup>st</sup> violation = 50% testing of all subsequent shipments.
  - 2<sup>nd</sup> violation = all shipments will be held until 100% testing is completed.
    - Importer will pay for the testing.
    - Unsure if a violation in CA would trigger additional testing for FL.



<http://postharvest.ifas.ufl.edu>

<http://postharvest.ifas.ufl.edu>

<http://mrldatabase.com/>

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**Postharvest Programs & Information**

**Mission Statement**

The University of Florida's Postharvest mission is to support Florida's diverse Postharvest horticulture industries through research, extension and teaching. Our goal is to generate and disseminate information on that profitable horticultural commodities are delivered to consumers fresh, safe, nutritious and in the form (e.g. ripe or fresh-cut) consumers desire.

**What's New:**

Don't miss Packinghouse Day and the Indian River Postharvest Workshop

<b>Forty-Fifth Annual Citrus Packinghouse Day</b> Thursday, August 11, 2006 Citrus Research and Education Center 701 Experiment Station Road Lake Alfred, FL 33850 Lunch Sponsor: DECCO Coverage Schedule online by noon, then 20 computers	<b>Indian River Postharvest Workshop</b> Tuesday, August 22, 2006 Indian River Extension and Education Center 1000 S. Rock Rd. Ft. Pierce, FL 34947 Lunch Sponsor: FMC FoodTech No exhibitors
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Click here for more information

**Table of Maximum Residue Limits (MRLs) for Citrus for the U.S. & Selected Export Markets**  
 Chemical Residue Tolerance Information For:  
 The maximum tolerance (MRL) limits are 0.0500 - USDA Foreign Agricultural Service  
 U.S.A. Title 40 of the Code of Federal Regulations - 401.200  
 Japan  
 Provisional English translation of the new law and related new provisional MRLs  
 - EFFECTIVE May 29, 2006

<http://postharvest.ifas.ufl.edu>

**Maximum Residue Limits (MRLs) in part-per-million (ppm)**  
 For Citrus - By Country  
 Based on Real Test - Chemicals used for postharvest decay control (not may be applied preharvest)

Chemical Name	Trade Name	U.S.	CODEX	EU	Japan	Other Citrus
Carbendazim, Benomyl	Benlate	10		0.1 after 9/15/06	0.1 after 9/15/06	7 3 7 3 3
Fludioxonil	Graduate	10				10 1 10 1 1
Imazalil	Freshgard 700	10	5	5		5 5 5 5 5
Pyrimethanil	Penbotec	10		5 (temporary)		15 15 15 15 15
SOPP	Fresh Mark	10	10			10 10 10 10 10
Thiabendazole (TBZ)	Mertect 340-F	10	10	5		10 10 10 10 10
Thiophanate-methyl	Topsin	0.5		0.1 after 9/15/06	0.1 after 9/15/06	7 3 7 3 3

**MRLs for Citrus Postharvest Decay Control**

Chemical Name	Trade Name	U.S.	CODEX	EU	UK	Lemon	O	Japan	GF	Lime	Other
Carbendazim, Benomyl	Benlate	10		0.1 after 9/15/06	0.1 after 9/15/06	7	3	7	3	3	3
Fludioxonil	Graduate	10				10	1	10	1	1	1
Imazalil	Freshgard 700	10	5	5		5	5	5	5	5	5
Pyrimethanil	Penbotec	10		5 (temporary)		15	15	15	15	15	15
SOPP	Fresh Mark	10	10			10	10	10	10	10	10
Thiabendazole (TBZ)	Mertect 340-F	10	10	5		10	10	10	10	10	10
Thiophanate-methyl	Topsin	0.5		0.1 after 9/15/06	0.1 after 9/15/06	7	3	7	3	3	3
Updated=>		May-06, Grapefruit	May-06, Citrus		Aug-06					May-06	

**Thank you!**

See the UF Postharvest Information Website for more information  
<http://postharvest.ifas.ufl.edu>