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.

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Changes in European MRLs

- As of 1 September 2008
 - MRL Regulation (EC) No 396/2005 of the European Parliament and of the Council took effect.
 - The regulation completes the harmonisation and simplification of pesticide MRLs within EU member state. MRLs now undergo a common EU assessment.
 - Allows traders and importers to do business without confusion dealing with 27 separate lists of national MRLs.

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

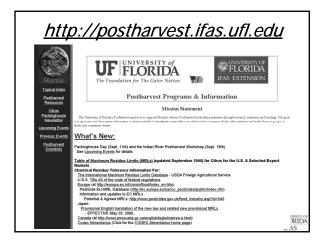
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Decause M	PLs change frequently, no guara y these values with other knowle	ntee is made o	concerning th	e accuracy o	f the below value	s		
vanie	Notevery low L	equation source	es weens spe	CIEC marks	S OF INCOMES			
Chemical Name	Trade Names	U.S.	Canada	CODEX	EV	Japan Gragethat	Talwan	
Methidathion	Supracide	4.6 mandatin	2	2.5 mandarin	5	6	1	
Methoprene	Extinguish Arit Bait	evennet			0.05			
Myrothecium verrucaria	DiTera	exempt						
NAA (1-maphthalene acetic acid)	Fruit Fix	0.1 orange			0.05	0.1	encerrent	
Named	Dibrom					0.2		
Naproparti-Se	Devrinol	0.1			0.05	0.1		
Neemoilextract	Trilogy	exempt				exempt		
Northurston	Solcam	0.2				0.2		
Onzain Onema	Ongain, Surfan	0.05		5	0.01 0.01, 0.02 mendarin	0.00	0.5	
Confluction	Goal	nonbearing			0.05			
Panettuid Dichloride	Parazual, Oramorona, Boa	0.05		0.02	0.02	0.05	0.2	
		Doempt		-				
	Prove, Pendimax				0.05	0.05		
Phosmet	Imidan			2	0.2		1	
Physiphetes	Forghite, Phosizol, ProPinyt	exempt						
Potassium bicarbonate	Armacarb, MilBtop	exempt						
Propargile	Comite, Omite	5 grapefruit 6 lemon; 10 orange	8	3	,	3	6	
Propic on az ole	Barner, Bumper, Till, Orbit, PropiMax	nonbearing			0.05	0.05		
Pyraclostrobin	Headine		0.7*			2		
Pyreforina	Pyrelin (Pyrethrins + Roterone)	1 orange	1 orange	0.0S orange	1			
Pyridaben		0.5			0.6			
Pyrimethani	Periboliec	10	10	7	10	15		
Pyriproxyfen	Distance, Esteem, Knack	0.2		0.5	0.6	0.5		
Persidituron	Putello (Putelloios + Rotecoore)	0.01			0.05			
Ratenone	Point Plus	exempt 0.5			0.01			
Settory dm Resulting	Simagina, Princep, Sim Trol	0.25		-	01	0.2		
		grapethut, orange, lemon			0.1	0.2		
Sodum aummofouride	Prokil Cryothe	7						
SOPP (2Phenylphenol, C- phenylphenol)	FreshOard 5; Fresh Mark, Dowkide A	10	10	10	12 (Inted as food additive)	10		
Spinetoram	Delegate	0.2	0.1*	_	02			
Spinosiad	Entruit, Natural(te, Justice, Spintor			0.3		0.3		
Spirodiciofen	Envidor	0.5	0.5*		0.5; 0.1 Lime, tangetine	2		
Steinemernariobravis	BioVector 355	exempt.						
					60	exempt	exempt	
Tebufenozide								

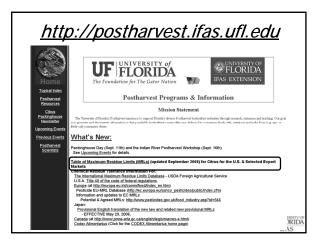
EU Maximum Residue Limits (MRLs) Considered Restrictive

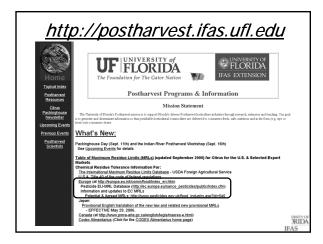
Chemical Name	Trade Names	U.S.	EU	Concern
Aldicarb	Temik	0.3	0.02	Insecticide important for psyllid (& thus HLB) control.
Bromacil	Hyvar	0.1		Herbicide, especially effective for control of grasses.
Carbaryl	Sevin	10	0.05	Insecticide important for psyllid (& thus HLB) control.
Dimethoate	Cygon	2	0.02	Insecticide, especially important for managing psyllid populations.
Diuron	Karmex	1	0.1	Herbicide, especially important for long-term broad- leaf weed control.
Norflurazon	Solicam	0.2		Herbicide, pre-emergence, especially important for grass control.
Simazine	Princep, Sim- Trol	0.25	0.1	Herbicide, pre-emergence, especially important for broad leaf control.
Updated Sept	tember 2008			
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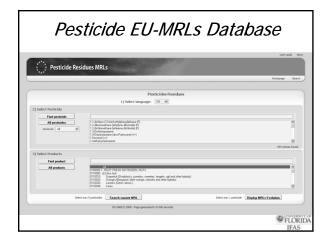
Important MRLs for Postharvest Citrus

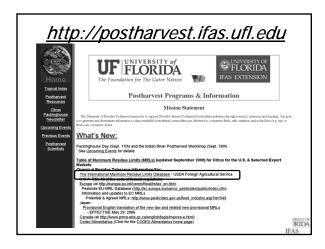
Chemical Name	Trade Names	U.S.	Canada	CODEX	EU	Japan	Taiwan
Fludioxonil	Graduate	10		7	7; 10 grapefruit	10	
mazalil	Freshgard 700,	10	5	5	5	5	5
Pyrimethanil	Penbotec	10	10	7	10	15	
SOPP (2 Phenylphenol, O- bhenylphenol)	FreshGard 5; Fresh Mark, Dowicide A	10	10	10	12 (listed as food additive)	10	
Thiabendazole (TBZ)	Freshgard 598, Mertect 340-F	10	10	7	5	10	10
Thiophanate-methyl (Carbendazim)	Topsin	0.5 Sect. 18	10	8	0.1	7	















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