

# codex alimentarius commission



FOOD AND AGRICULTURE  
ORGANIZATION  
OF THE UNITED NATIONS

WORLD  
HEALTH  
ORGANIZATION



JOINT OFFICE: Viale delle Terme di Caracalla 00100 ROME Tel: 39 06 57051 www.codexalimentarius.net Email: codex@fao.org Facsimile: 39 06 5705 4593

Agenda Item 3(d)

CX/FFV 02/8  
March 2002

## JOINT FAO/WHO FOOD STANDARDS PROGRAMME CODEX COMMITTEE ON FRESH FRUITS AND VEGETABLES

*10<sup>th</sup> Session,  
Mexico City, Mexico, 10-14 June 2002*

### OUTSTANDING PROVISIONS IN CITRUS FRUITS BEING STANDARDIZED BY THE CODEX COMMITTEE ON FRESH FRUITS AND VEGETABLES SECTION 3 - PROVISIONS CONCERNING SIZING

Governments and interested international organizations wishing to submit comments on the attached *Outstanding Provisions in Citrus Fruits Being Standardized by the Codex Committee on Fresh Fruits and Vegetables - Section 3 Provisions Concerning Sizing* (AT STEP 6) are invited to do so **no later than 30 April 2002** to Mr. Miguel Aguilar Romo, Director General de Normas, Av. Puente de Tecamachalco 6, segundo piso, Lomas de Tecamachalco Sección Fuentes, C.P. 53950 Naucalpan de Juárez, Estado de México, Tel: (52) (5) 7 29 93 00, Ext. 4144, 4108 Directo: (52) (5) 7299480. Fax: (52) (5) 7299484 E-mail: [codexmex@economia.gob.mx](mailto:codexmex@economia.gob.mx), with a copy to the Secretary, Codex Alimentarius Commission, Joint FAO/WHO Foods Standards Programme, Via delle Terme di Caracalla, 00100 Rome, Italy (Fax No. 39.06.5705.4593 or E-Mail [codex@fao.org](mailto:codex@fao.org)).

#### BACKGROUND

1. The 7<sup>th</sup> Session of the Codex Committee on Fresh Fruits and Vegetables (Mexico City, Mexico, 8-12 September 1997) agreed to place in square brackets the Sizing Provisions for Limes and Pummelos as it could not agree on final figures. It was further agreed that the sections in brackets would be finalized by the next Committee's session in collaboration with the UN/ECE prior to the Standards' final adoption by the Codex Alimentarius Commission.<sup>1</sup>
2. The 8<sup>th</sup> Session of the CCFFV (Mexico City, Mexico, 1-5 March 1999) considered a proposal to introduce an additional sizing scale based on the number of citrus fruits per carton as an alternative to the size code in order to reflect current practices in international trade. It was noted that a similar amendment was being considered by the UN/ECE. Consequently, the Committee decided to defer its decision on the inclusion of the count code and, as this sizing range applied to other citrus fruits under its consideration, it agreed to forward the Draft Codex Standards for Limes, Pummelos and Grapefruits for final adoption by the Codex Alimentarius Commission while retaining the sizing provisions into square brackets for further comments and consideration by next Committee's session.
3. The 23<sup>rd</sup> Session of the Codex Alimentarius Commission (Rome, Italy, 28 June - 3 July) approved final adoption of Draft Codex Standards for Limes, Pummelos and Grapefruits with the understanding that Section 3 – Provisions concerning Sizing would be returned to Step 6 for further consideration and finalization at the next Committee's Session.<sup>2</sup>
4. In view of the above, the 9<sup>th</sup> Session of the CCFFV (Mexico City, Mexico, 9-13 October 2000) agreed to set up a Drafting Group lead by the United States of America, with the assistance of the European Community, to undertake the revision of the sizing provisions in the Draft Codex Standard for Oranges as well as in the Codex Standards for Limes, Pummelos and Grapefruits.<sup>3</sup>

<sup>1</sup> ALINORM 99/35 paras. 25, 28, 33 and 34.

<sup>2</sup> ALINORM 99/37 para. 159

<sup>3</sup> ALINORM 01/35 paras. 57, 59, 62 and 64.

5. However, the Drafting Group was unable to finalize the sizing provisions for those citrus fruits under consideration by the CCFFV with the exception of oranges (size code and count code respectively) which is reproduced in Appendix I to this document. The added text is indicated in bold and Italics.
6. In addition, the Codex Secretariat has prepared a comparison between the sizing range for oranges, limes, pummelos and grapefruits as proposed by the Codex Committee on Fresh Fruits and Vegetables and as set out in the current UN/ECE Standard for Citrus Fruits in order to facilitate the finalization of the sizing provisions in the Codex Standards for the aforesaid products.
7. Governments and interested international organizations are invited to comment at Step 6 on the attached *Outstanding Provisions in Citrus Fruits Being Standardized by the Codex Committee on Fresh Fruits and Vegetables - Section 3 Provisions Concerning Sizing* as directed above.

**DRAFT CODEX STANDARD FOR ORANGES****SECTION 3 - PROVISIONS CONCERNING SIZING****3. Provisions concerning Sizing**

Size is determined by the maximum diameter of the central or median (equatorial part), in accordance with the following table:

Size Code	Diameter (mm)
1	87-100
2	84-96
3	81-92
4	77-88
5	73-84
6	70-80
7	67-76
8	64-73
9	62-70
10	60-68
11	58-66
12	56-63
13	53-60

**ORANGES MAY BE PACKED BY COUNT. IN THIS CASE, PROVIDED THE SIZE UNIFORMITY REQUIRED BY THE STANDARD IS RETAINED, THE SIZE RANGE IN THE PACKAGE MAY FALL OUTSIDE A SINGLE SIZE CODE, BUT WITHIN TWO ADJACENT CODES.**

Oranges with a minimum dimension of less than 53 mm are excluded.

For fruit arranged in regular layers, the difference between the smallest and the largest fruit in the same package must not exceed the following maxima, **WITHIN A SINGLE SIZE CODE OR, IN THE CASE OF ORANGES PACKED BY COUNT, WITHIN TWO ADJACENT CODES:**

Sizes 1 and 2	11 mm
Sizes 3 to 6	9 mm
Sizes 7 to 13	7 mm

For oranges not arranged in layers, the difference between the smallest and the largest fruit in the same package must not exceed limits of the appropriate size in the size scale, **OR, IN THE CASE OF ORANGES PACKED BY COUNT, THE RANGE IN MM OF ONE OF THE TWO ADJACENT CODES CONCERNED.**

For oranges in bulk in a transport vehicle, either all fruit must comply with the minimum size requirements, or the maximum size difference must not exceed the range obtained by grouping three consecutive sizes in the size scale.

**6. Marking and Labelling****6.2 Non-retail Containers****6.2.4 Commercial Identification**

- Class;
- Size code for fruit presented in accordance with the size scale or the upper and the lower limiting size code in the case of three consecutive sizes of the size scale;
- Size code (**OR, WHEN FRUIT PACKED BY COUNT FALL UNDER TWO ADJACENT CODES** , **SIZE CODES OR MINIMUM AND MAXIMUM DIAMETER IN MM** ) and number of fruit, in the case of fruit arranged in layers in the package.

**COMPARISON BETWEEN SIZING PROVISIONS PROPOSED BY  
THE CODEX COMMITTEE ON FRESH FRUITS AND VEGETABLES  
AND  
THE UN/ECE STANDARD FOR CITRUS FRUITS  
ORANGES**

CODEX STANDARD FOR ORANGES <sup>1</sup>		UN/ECE STANDARD FOR CITRUS FRUITS <sup>2</sup> - ORANGES -			
<p><b>3. Provisions concerning Sizing</b> Size is determined by the maximum diameter of the central or median (equatorial part), in accordance with the following table:</p>		Size is determined by the maximum diameter of the equatorial section of the fruit.			
		<p><b>A. Minimum size</b> Fruits of less than the following minimum sizes are excluded: Oranges 53 mm</p>			
		<p><b>B. Size scales</b> The scales of sizes are as follows:</p>			
Size Code	Diameter (mm)	Size Code	Diameter in mm		
		0	92 - 110		
1	87-100	1	87 - 100		
2	84-96	2	84 - 96		
3	81-92	3	81 - 92		
4	77-88	4	77 - 88		
5	73-84	5	73 - 84		
6	70-80	6	70 - 80		
7	67-76	7	67 - 76		
8	64-73	8	64 - 73		
9	62-70	9	62 - 70		
10	60-68	10	60 - 68		
11	58-66	11	58 - 66		
12	56-63	12	56 - 63		
13	53-60	13	53 - 60		
<p>Oranges with a minimum dimension of less than 53 mm are excluded. For fruit arranged in regular layers, the difference between the smallest and the largest fruit in the same package must not exceed the following maxima.</p>		<p><b>C. Uniformity</b> Uniformity in size is achieved by the above mentioned size scales, unless otherwise stated as follows: (i) For fruit arranged in regular layers in the package the maximum difference between the smallest and the largest fruit must not exceed the following maxima:</p>			
		Size Code	Maximum difference between fruit in the same package in mm		
		Sizes 1 and 2	11 mm	0 - 2	11
		Sizes 3 to 6	9 mm	3 - 6	9
Sizes 7 to 13	7 mm	7 - 13	7		
<p>For oranges not arranged in layers, the difference between the smallest and the largest fruit in the same package must not exceed limits of the appropriate size in the size scale. For oranges in bulk in a transport vehicle, either all fruit must comply with the minimum size requirements, or the maximum size difference must not exceed the range obtained by grouping three consecutive sizes in the size scale.</p>		<p>(ii) For fruit not arranged in regular layers in packages and fruit in individual packages for direct sale to the consumer made up by number of fruit, the difference between the smallest and the largest fruit in the same package must not exceed the range of the appropriate size grade in the size scale.</p>			
		<p>(iii) For fruit in bulk bins and fruit in individual packages for direct sale to the consumer made up by weight of fruit, the maximum size difference between the smallest and the largest fruit in the same lot or package must not exceed the range obtained by grouping three consecutive sizes in the size scale.</p>			

<sup>1</sup> ALINORM 99/35A, Appendix X

<sup>2</sup> TRADE/WP.7/2000/11/Add.3, 13 December 2000 (This document contains the revised UN/ECE Standard for Citrus Fruit (FFV-14) as adopted by the 56<sup>th</sup> Session of the Working Party on Standardization of Perishable Produce and Quality Development, Geneva, Switzerland, 6-8 November 2000)

## LIMES

CODEX STANDARD FOR LIMES <sup>3</sup>		UN/ECE STANDARD FOR CITRUS FRUITS <sup>2</sup> - LIMES -																									
<b>3. Provisions concerning Sizing</b> Size is determined by the maximum diameter of the equatorial section of the fruit, in accordance with the following table:		Size is determined by the maximum diameter of the equatorial section of the fruit.																									
		<b>A. Minimum size</b> Fruits of less than the following minimum sizes are excluded: Limes 42 mm																									
<table border="1"> <thead> <tr> <th>Size Code</th> <th>Diameter (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>58 - 67</td> </tr> <tr> <td>2</td> <td>53 - 62</td> </tr> <tr> <td>3</td> <td>48 - 57</td> </tr> <tr> <td>4</td> <td>45 - 52</td> </tr> <tr> <td>5</td> <td>42 - 48</td> </tr> </tbody> </table>		Size Code	Diameter (mm)	1	58 - 67	2	53 - 62	3	48 - 57	4	45 - 52	5	42 - 48	<b>B. Size scales</b> The scales of sizes are as follows:													
		Size Code	Diameter (mm)																								
1	58 - 67																										
2	53 - 62																										
3	48 - 57																										
4	45 - 52																										
5	42 - 48																										
<table border="1"> <thead> <tr> <th>Size Code</th> <th>Diameter (mm)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>58 - 67</td> </tr> <tr> <td>2</td> <td>53 - 62</td> </tr> <tr> <td>3</td> <td>48 - 57</td> </tr> <tr> <td>4</td> <td>45 - 52</td> </tr> <tr> <td>5</td> <td>42 - 48</td> </tr> </tbody> </table>		Size Code	Diameter (mm)	1	58 - 67	2	53 - 62	3	48 - 57	4	45 - 52	5	42 - 48	<table border="1"> <thead> <tr> <th>Size Code</th> <th>Diameter in mm</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>58 - 67</td> </tr> <tr> <td>2</td> <td>53 - 62</td> </tr> <tr> <td>3</td> <td>48 - 57</td> </tr> <tr> <td>4</td> <td>45 - 52</td> </tr> <tr> <td>5</td> <td>42 - 49</td> </tr> </tbody> </table>		Size Code	Diameter in mm	1	58 - 67	2	53 - 62	3	48 - 57	4	45 - 52	5	42 - 49
Size Code	Diameter (mm)																										
1	58 - 67																										
2	53 - 62																										
3	48 - 57																										
4	45 - 52																										
5	42 - 48																										
Size Code	Diameter in mm																										
1	58 - 67																										
2	53 - 62																										
3	48 - 57																										
4	45 - 52																										
5	42 - 49																										
		<b>C. Uniformity</b> Uniformity in size is achieved by the above mentioned size scales, unless otherwise stated as follows:																									
		(i) For fruit arranged in regular layers in the package the maximum difference between the smallest and the largest fruit must not exceed the following maxima:																									
		<table border="1"> <thead> <tr> <th>Size Code</th> <th>Maximum difference between fruit in the same package in mm</th> </tr> </thead> <tbody> <tr> <td>1 - 5</td> <td>7</td> </tr> </tbody> </table>		Size Code	Maximum difference between fruit in the same package in mm	1 - 5	7																				
Size Code	Maximum difference between fruit in the same package in mm																										
1 - 5	7																										
		(ii) For fruit not arranged in regular layers in packages and fruit in individual packages for direct sale to the consumer made up by number of fruit, the difference between the smallest and the largest fruit in the same package must not exceed the range of the appropriate size grade in the size scale.																									
		(iii) For fruit in bulk bins and fruit in individual packages for direct sale to the consumer made up by weight of fruit, the maximum size difference between the smallest and the largest fruit in the same lot or package must not exceed the range obtained by grouping three consecutive sizes in the size scale.																									

## PUMMELOS

CODEX STANDARD FOR PUMMELOS <sup>4</sup>			UN/ECE STANDARD FOR CITRUS FRUITS <sup>2</sup> - PUMMELOS -	
<b>3. Provisions concerning Sizing</b> Size is determined by the weight or maximum diameter of the equatorial section of the fruit, in accordance with the following table:			Size is determined by the maximum diameter of the equatorial section of the fruit.	
			<b>A. Minimum size</b> Fruits of less than the following minimum sizes are excluded: Pummelos 110 mm	
			<b>B. Size scales</b> The scales of sizes are as follows:	
Size Code	Weight (g)	Diameter (mm)	Size Code	Diameter in mm
1	> 1700	156-170	1	156 - 170
2	1501-1700	148-162	2	148 - 162
3	1301-1500	140-154	3	140 - 154
4	1101-1300	132-146	4	132 - 146
5	901-1100	123-138	5	123 - 138
6	700-900	116-129	6	116 - 129
7	<700	<112	7	110 - 118
Pummelos of a weight less than 700 g or of a diameter below 112 mm are excluded.			<b>C. Uniformity</b> Uniformity in size is achieved by the above mentioned size scales, unless otherwise stated as follows: (i) For fruit arranged in regular layers in the package the maximum difference between the smallest and the largest fruit must not exceed the following maxima:	
			<b>Size Code</b>	<b>Maximum difference between fruit in the same package in mm</b>
			(ii) For fruit not arranged in regular layers in packages and fruit in individual packages for direct sale to the consumer made up by number of fruit, the difference between the smallest and the largest fruit in the same package must not exceed the range of the appropriate size grade in the size scale.	
			(iii) For fruit in bulk bins and fruit in individual packages for direct sale to the consumer made up by weight of fruit, the maximum size difference between the smallest and the largest fruit in the same lot or package must not exceed the range obtained by grouping three consecutive sizes in the size scale.	

## GRAPEFRUITS

CODEX STANDARD FOR GRAPEFRUITS <sup>5</sup>		UN/ECE STANDARD FOR CITRUS FRUITS <sup>2</sup> - GRAPEFRUITS AND ITS HYBRIDS-	
<p><b>3. Provisions concerning Sizing</b></p> <p>Size is determined by the maximum diameter of the equatorial section of the fruit, in accordance with the following table:</p>		<p>Size is determined by the maximum diameter of the equatorial section of the fruit.</p>	
		<p><b>A. Minimum size</b></p> <p>Fruits of less than the following minimum sizes are excluded: Grapefruit and its hybrids 70 mm</p>	
		<p><b>B. Size scales</b></p> <p>The scales of sizes are as follows:</p>	
Size Code	Diameter (mm)	Size Code	Diameter in mm
1	109-139	1	109 - 139
2	100-119	2	100 - 119
3	93-110	3	93 - 110
4	88-102	4	88 - 102
5	86-99	5	84 - 97
6	84-97	6	81 - 93
7	81-93	7	77 - 89
8	77-89	8	73 - 85
9	73-85	9	70 - 80
10	70-80		
<p>Grapefruits of a diameter below 70 mm are excluded.</p>		<p><b>C. Uniformity</b></p> <p>Uniformity in size is achieved by the above mentioned size scales, unless otherwise stated as follows:</p> <p>(i) For fruit arranged in regular layers in the package the maximum difference between the smallest and the largest fruit must not exceed the following maxima:</p>	
		<p><b>Size Code</b></p>	<p><b>Maximum difference between fruit in the same package in mm</b></p>
<p>For grapefruits not arranged in layers, the difference between the smallest and the largest fruit in the same container must not exceed the limits of the corresponding size in the size scale.</p> <p>For fruit in bulk in the transport vehicle, either all the fruit must comply with the minimum size requirements or the maximum size difference must not exceed the range obtained by grouping three consecutive sizes in the size scale.</p>		<p>(ii) For fruit not arranged in regular layers in packages and fruit in individual packages for direct sale to the consumer made up by number of fruit, the difference between the smallest and the largest fruit in the same package must not exceed the range of the appropriate size grade in the size scale.</p> <p>(iii) For fruit in bulk bins and fruit in individual packages for direct sale to the consumer made up by weight of fruit, the maximum size difference between the smallest and the largest fruit in the same lot or package must not exceed the range obtained by grouping three consecutive sizes in the size scale.</p>	

<sup>5</sup> ALINORM 99/35, Appendix IX