


## Citrus – note to interpret the UNECE/EU marketing standard

This note has been agreed internationally to explain some areas of the marketing standard that are not clear. It also gives information about defects that are not in the marketing standard. It does not cover all the requirements, you can read these in the marketing standard on GOV.UK.

Defect	Extra class	Class I	Class II	GMS limit*
<b>Bruising</b>	None.	Ignore flat sides where flesh is not damaged.		
<b>Cleanliness – blue mould</b>	Traces of blue mould (a 'kiss' from adjacent fruit) allowed on otherwise sound fruit. Note: If produce is repacked it must be clean.			
<b>Colour</b>	Lemons – green (but not dark green) fruit allowed if they meet the juice content. Soft citrus – Must be typical colour of variety on at least 1/3 of the surface. Oranges – May have a light green colour on 1/5 or less of the surface.			No colour requirement but juice content must be acceptable.
<b>Ethylene damage</b>	None.	None.	1cm <sup>2</sup> or less allowed, in 10% tolerance of Class II. Must not be intense black in colour.  More than 1cm <sup>2</sup> allowed in 3% tolerance of Class II.	2cm <sup>2</sup> or less allowed, if not intense black colour, and consumption is not affected.
<b>Internal granulation</b>	None.			Allowed if minimum juice content is achieved.

<b>Defect</b>	<b>Extra class</b>	<b>Class I</b>	<b>Class II</b>	<b>GMS limit*</b>
<b>Pest – scale insect</b>	None.	Not more than 10 allowed.	Not more than 25 allowed.	Not more than 25 allowed (exclude scale under 1mm in size).
<b>Internal/protruding navel</b>	Small, no protruding navel allowed.	4cm <sup>2</sup> or less and no protruding navel allowed.	4cm <sup>2</sup> or less and/or protruding navel allowed.	Shape defect allowed.
<b>Skin defect – non-tropical citrus</b>	Traces of superficial blemish allowed.	Skin defects must be superficial and not contrast strongly with the characteristic colour of the fruit. Elongated blemish allowed on not more than 1/3 of the diameter. Other blemish allowed on 1/16 of the total area.	Skin defects allowed if the overall appearance is not seriously affected.	Skin defects allowed.
<b>Skin defect - tropical origin only, for example, Cuba</b>		Skin defects - (as for non-tropical citrus above).	Skin defects allowed if characteristics of variety remain.	Skin defects allowed.
<b>Skin defects: bigote, oleocellosis, pest damage - bollworm</b>	None.	2cm <sup>2</sup> or less allowed.	4cm <sup>2</sup> or less allowed.	Skin defects are allowed if consumption is not affected.
<b>Progressive defects: skin deterioration, rind breakdown and peteca</b>	None.	1cm <sup>2</sup> or less allowed or 3 slight spots allowed.	4cm <sup>2</sup> or less allowed or 3 sunken spots allowed.	Skin defects allowed if consumption is not affected.

Regulated by SMS Oranges, lemons, clementines, satsumas and mandarins.

Regulated by GMS Citron, etrog, grapefruit, kumquat, lem-lime, lime, pomelo, Seville orange, sweet lemon/ lime, Ugli fruit.

\*Citrus fruit that does not meet the requirements of the specific marketing standard (SMS) can still be sold for home processing if they meet the sound, fair and marketable requirements of the general marketing standard. They must be labelled 'for home processing', but must not be labelled with an SMS class.