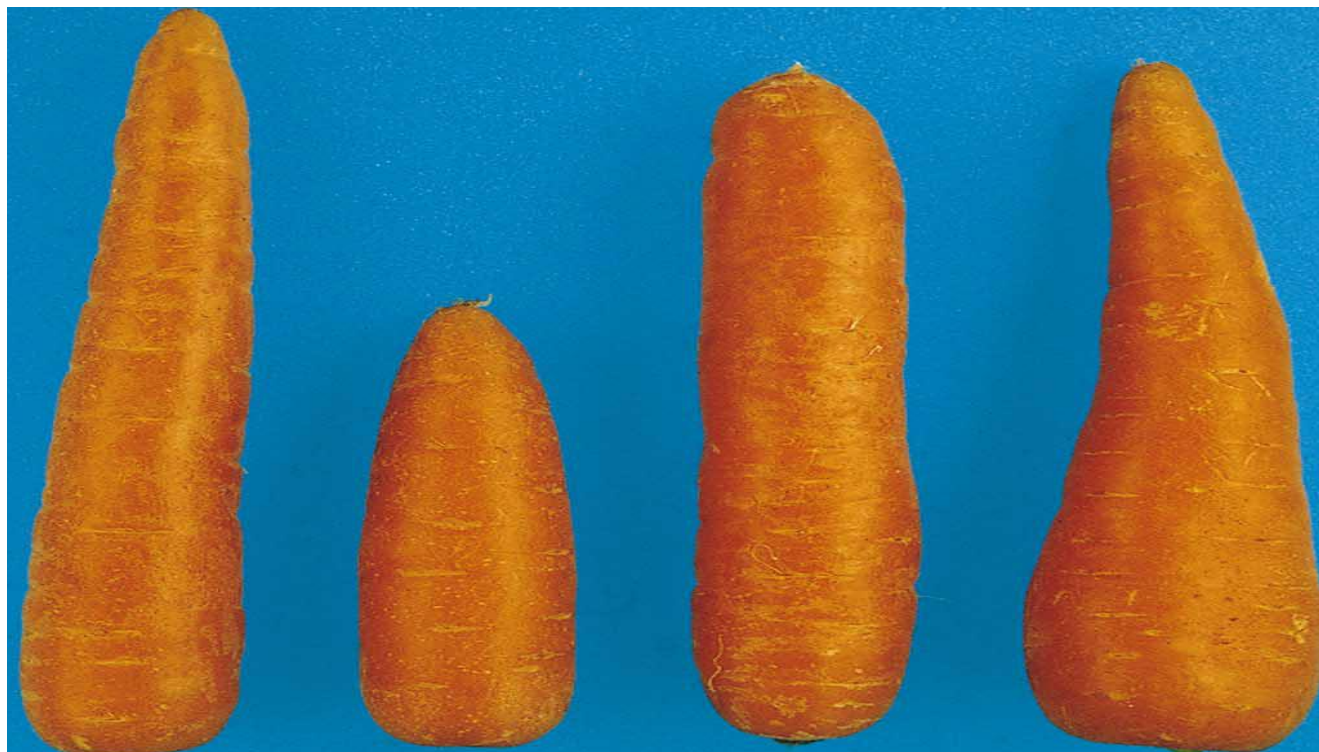


COLOR CHARTS PRESCRIBED FOR EXPORT CARROTS

Important note:

The below color charts should be read in conjunction with the export standards and requirements prescribed for fresh vegetables under the banner of the Agricultural Product Standards Act 119 of 1990.

Example of different variety and shapes



Carrots	Class I	Class II	Out of Grade	Notes
Variety and shape	√	√	x	All shapes allowed for class I and class II.

Damaged tip



Carrots	Class I	Class II	Out of Grade	Notes
Damaged tip	x	x	√	Class I & Class II: – Must be intact. Apply additional tolerance prescribed.

Damaged tip

Carrots	Class I	Class II	Out of Grade	Notes
Damaged tip	x	x	√	Class I & Class II: – Must be intact. Apply additional tolerance prescribed.

Crown rot



Carrots	Class I	Class II	Out of Grade	Notes
Crown rot	x	x	√	Class I & Class II – Must be free from decay.

Various photos obtained from the OECD brochure for carrots

Violet root rot

Carrots	Class I	Class II	Out of Grade	Notes
Violet root rot	x	x	√	Class I & Class II – Must be free from decay.

Various photos obtained from the OECD brochure for carrots

Wet cavity spot



Carrots	Class I	Class II	Out of Grade	Notes
Wet cavity spot	x	x	√	Class I & Class II – Must be free from decay.

Various photos obtained from the OECD brochure for carrots

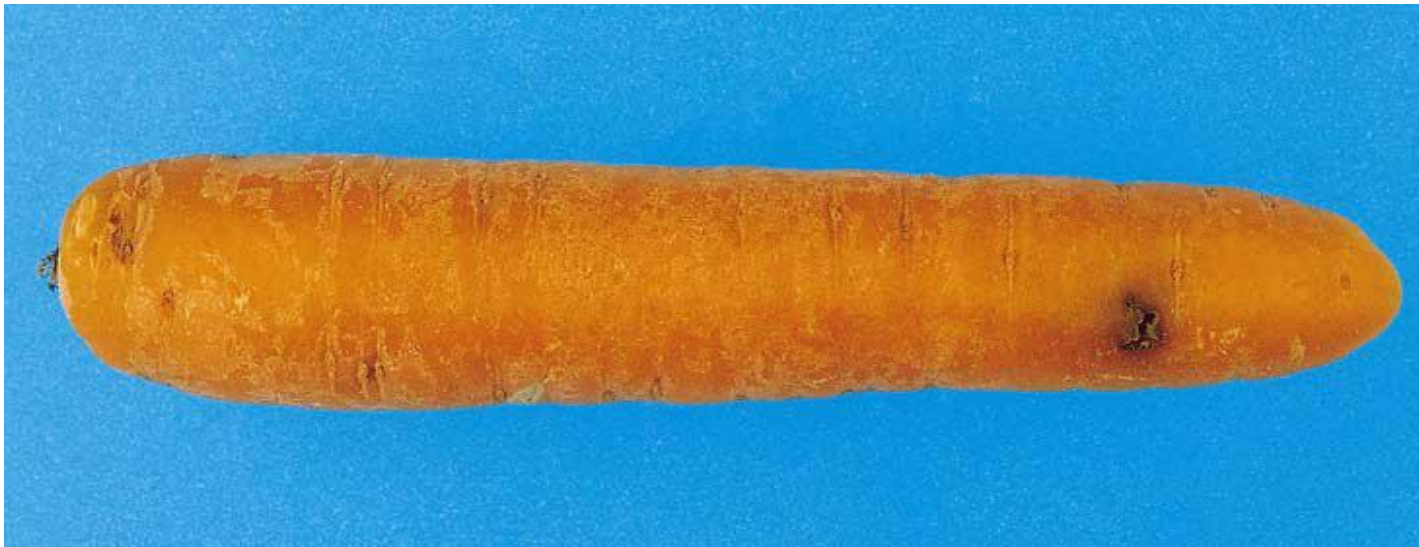
Bacterial soft rot

Carrots	Class I	Class II	Out of Grade	Notes
Bacterial soft rot	x	x	√	Class I & Class II – Must be free from decay.

Various photos obtained from the OECD brochure for carrots

Soiled carrots

Carrots	Class I	Class II	Out of Grade	Notes
Soiled carrots/Washed	x	x	√	Class I & Class II – Must be free from foreign matter including soil.

Carrot root fly damage

Carrots	Class I	Class II	Out of Grade	Notes
Carrot root fly damage	x	x	√	Class I & Class II – Insect infestation not allowed.

Slug damage

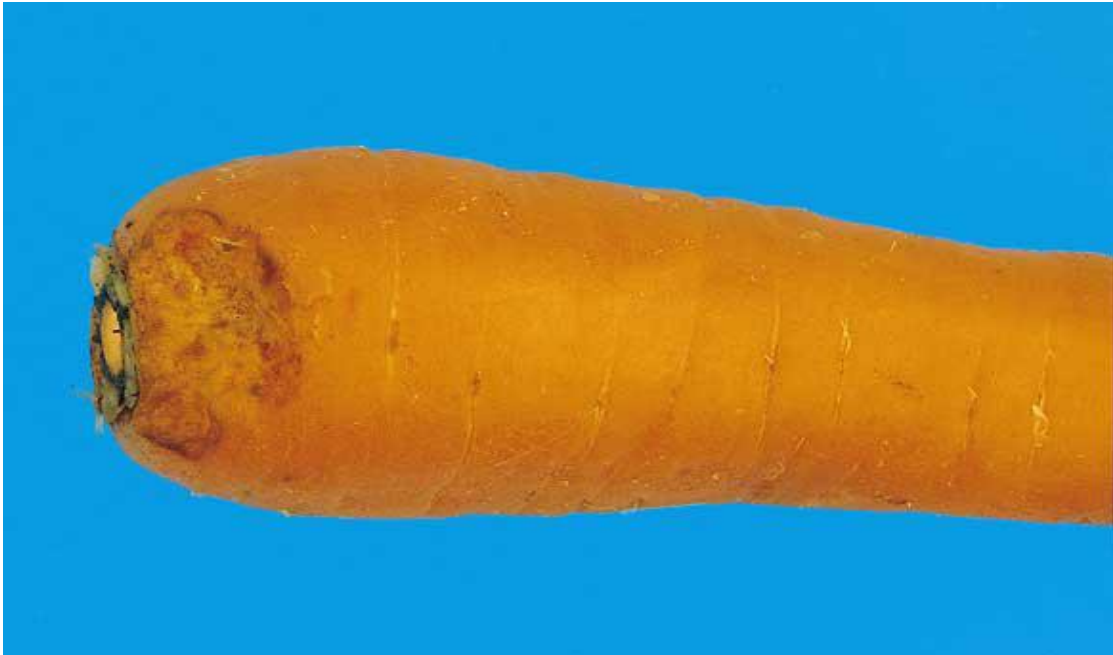
Carrots	Class I	Class II	Out of Grade	Notes
Slug damage	x	x	√	Class I & Class II – Slug damage not allowed.

Wire worm damage

Carrots	Class I	Class II	Out of Grade	Notes
Wire worm damage	x	x	√	Class I & Class II – Insect damage not allowed.

Various photos obtained from the OECD brochure for carrots

Rodent damage



Carrots	Class I	Class II	Out of Grade	Notes
Rodent damage	x	x	√	Class I & Class II – Rodent damage not allowed.

Various photos obtained from the OECD brochure for carrots

Shrivelled carrot

Carrots	Class I	Class II	Out of Grade	Notes
Shrivelled carrot	x	x	√	Class I & Class II- Must be Fresh and Firm and show no sign of withering.

Forked carrot

Carrots	Class I	Class II	Out of Grade	Notes
Forked carrot	x	x	√	Class I: Not allowed. Class II: Not allowed.

Secondary root growth



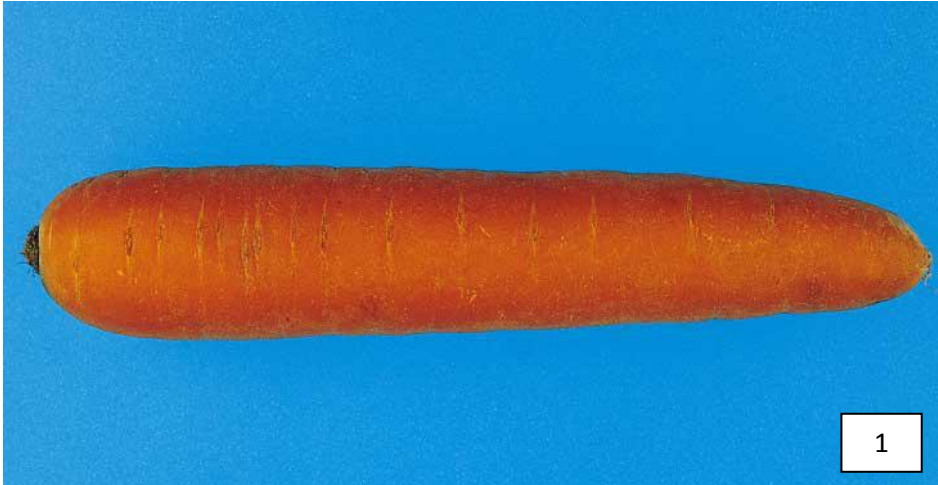
Carrots	Class I	Class II	Out of Grade	Notes
Secondary root growth	x	x	√	Class 1. Not allowed Class 2. Not allowed

Woody carrots

Carrots	Class I	Class II	Out of Grade	Notes
Woody carrots	x	x	√	Class I: Not allowed Class II: Not allowed

Various photos obtained from the OECD brochure for carrots

Attractive Appearance



Carrots	Extra class Class I	Class II	Out of Grade	Notes
Perfect carrot	Photo 1 Photo 2	√ √	x	Allowed for both Extra class and class 1

Various photos obtained from the OECD brochure for carrots

Very slight superficial defect

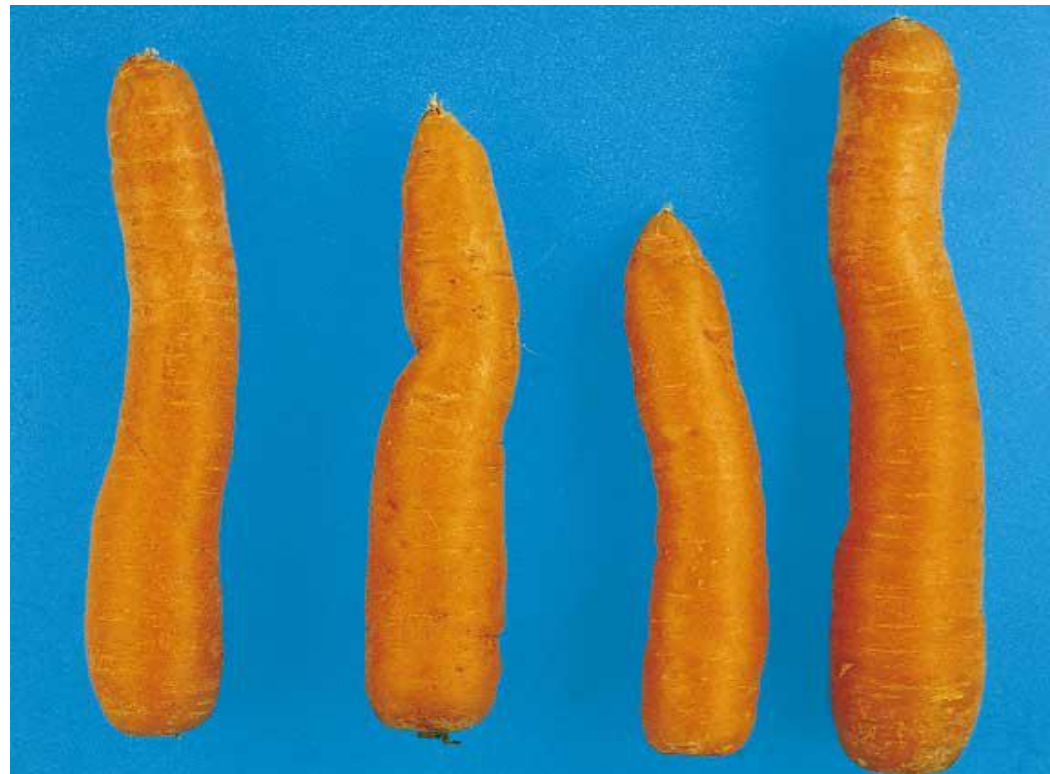
Carrots	Class I	Class II	Out of Grade	Notes
Slight superficial defect	√	x	x	No standard prescribed. Limit?

Very slight silvering of the skin



Carrots	Class I	Class II	Out of Grade	Notes
Slight silvering	Photo 1	x	Photo 2	No standard prescribed.

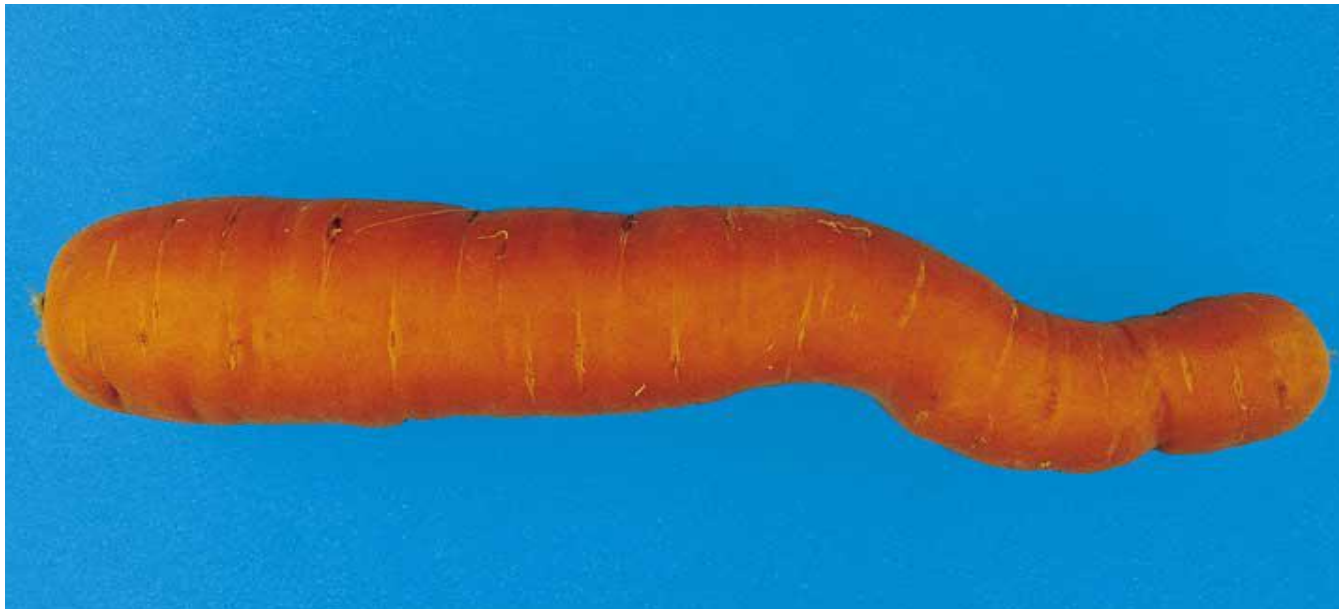
Defect in Shape



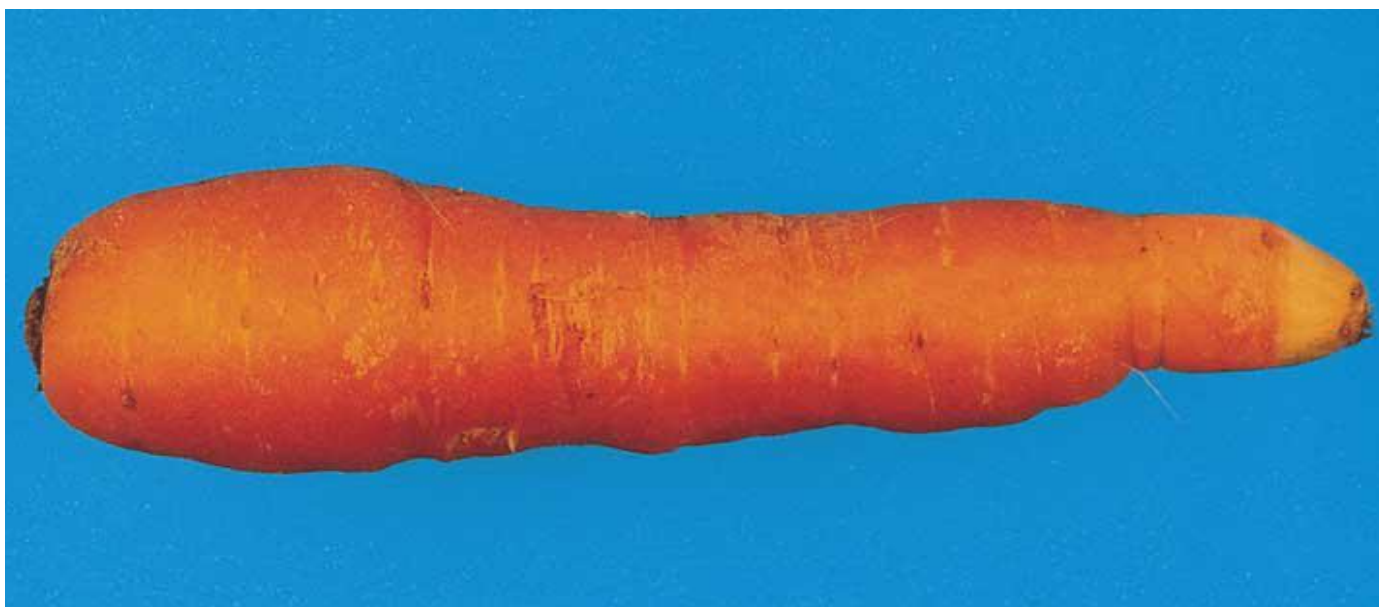
Carrots	Class I	Class II	Out of Grade	Notes
Slight defect in shape	√	x	x	Class 1 - Slight defect in shape allowed.

Various photos obtained from the OECD brochure for carrots

Defect in Shape



Carrots	Class I	Class II	Out of Grade	Notes
Defect in shape	x	√	X	Class 2 - may have defects in shape.

Slight defect in colouring

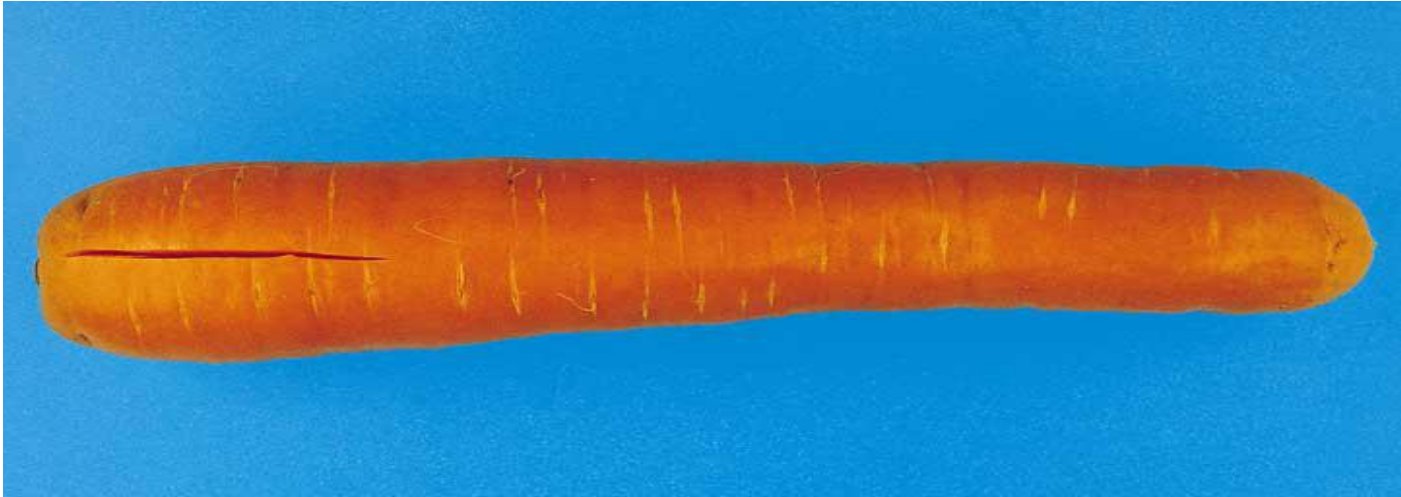
Carrots	Class I	Class II	Out of Grade	Notes
Defect in colouring	√	x	X	Class 1-slight defect in colouring

Defect in colouring

Carrots	Class I	Class II	Out of Grade	Notes
Defect in colouring	x	√	X	Class 2 - may have defects in colouring.

Various photos obtained from the OECD brochure for carrots

Cracks



Carrots	Class I	Class II	Out of Grade	Notes
Wet cracks	x	x	√	Class 1& 2-counted as injuries irrespective of depth of crack
In the case of Healed cracks	x	x	x	Class 1- max 2 mm deep-no length/width specified. Class 2- max 3 mm deep-no length/width specified

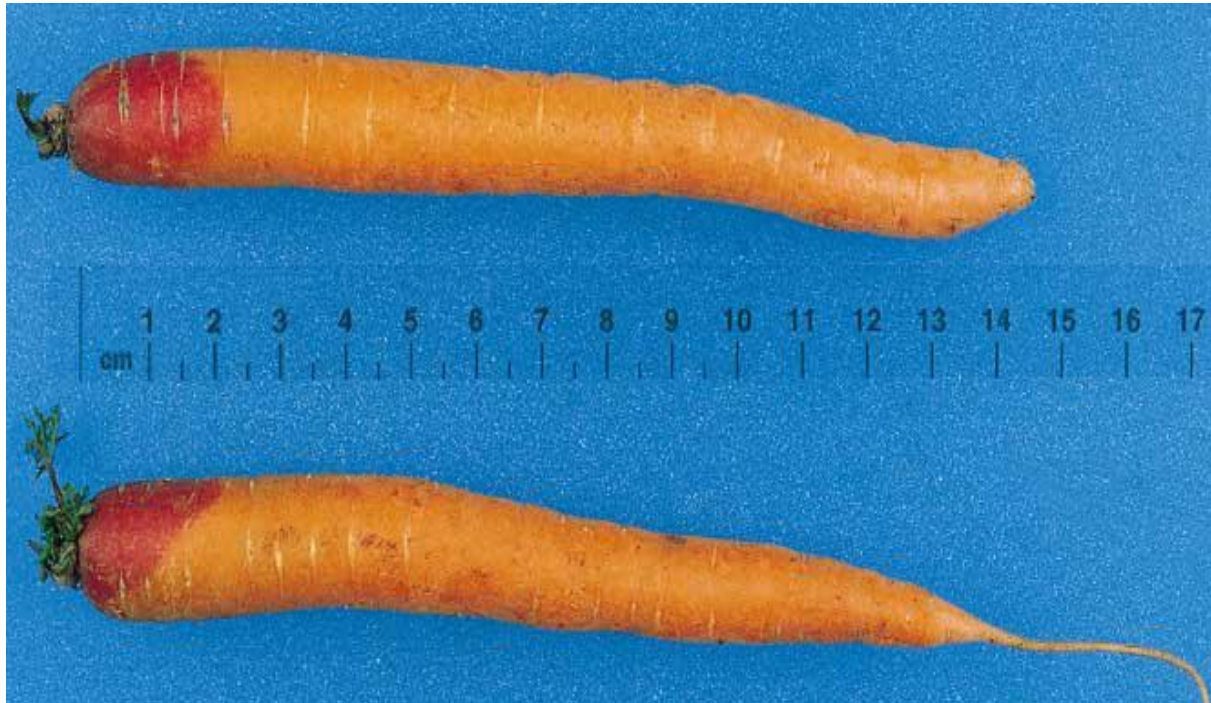
Frost damage



Carrots	Class I	Class II	Out of Grade	Notes
Frost damage	x	x	√	Shall not occur

Various photos obtained from the OECD brochure for carrots

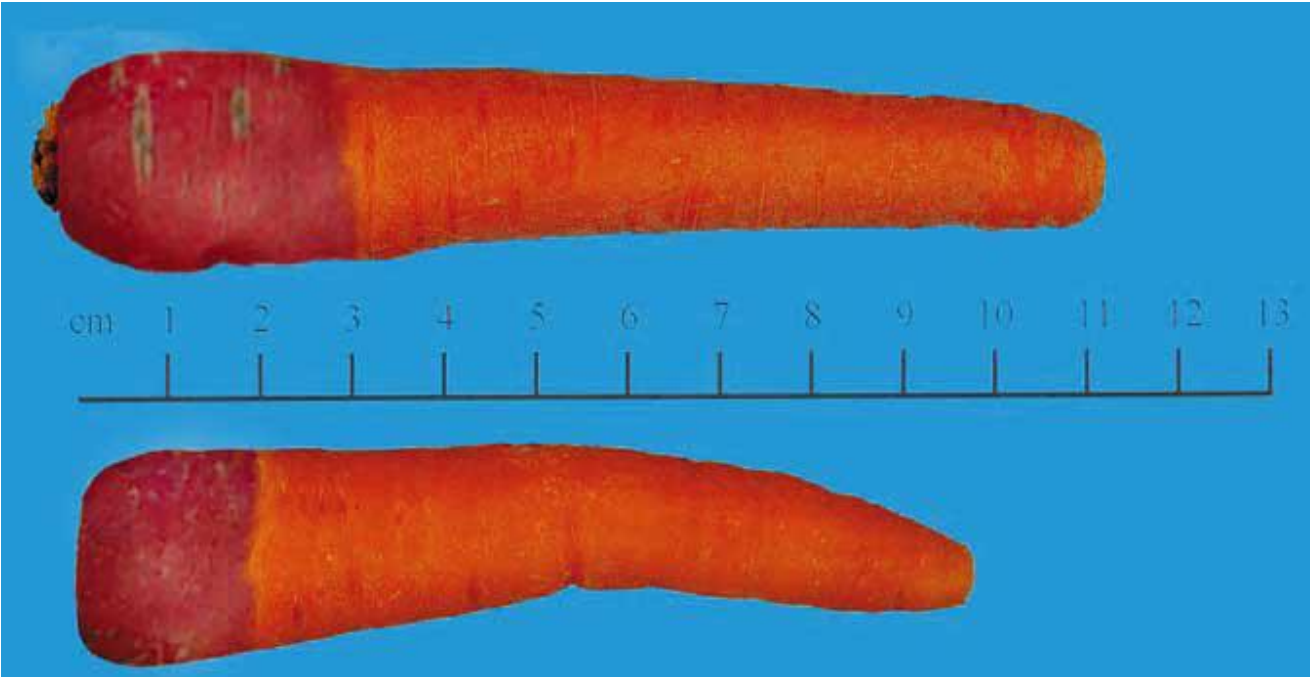
Green or violet/purple tops



Carrots	Class I	Class II	Out of Grade	Notes
Green or violet/purple tops	√	x	x	Class 1-10 mm allowed for carrots 100 mm and shorter and 20 mm for carrots longer than 100 mm.

Various photos obtained from the OECD brochure for carrots

Green or violet/purple tops



Carrots	Class I	Class II	Out of Grade	Notes
Green or violet/purple tops	x	√	x	Class 2-20 mm allowed for carrots 100 mm and shorter and 30 mm for carrots longer than 100 mm.

Various photos obtained from the OECD brochure for carrots

Trimmed

Carrots	Class I	Class II	Out of Grade	Notes
Trimmed	x	x	√	If topped, it must be evened off or cut off at the top of the root, without damaging it.

Marking requirements

CARROTS



CLASS 1

Yukon Exporters
P.O. Box 007
Bothaville
0450

PUC: D 2100

Packing date: 12 October 2012

Diameter: 20-35 mm.

Produce of South Africa

10 x 500 g
Nett mass **5 KG**

Various photos obtained from the OECD brochure for carrots