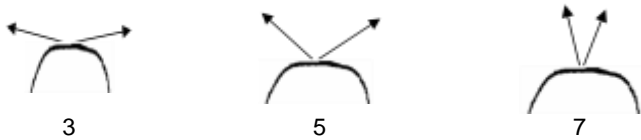




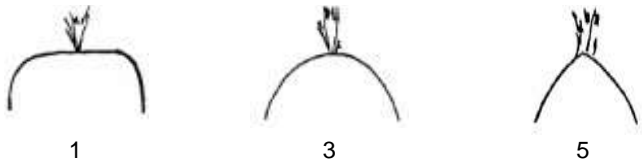

Appendix II. Minimum characterization descriptors for carrot




Agreed at the Second Meeting of the Umbellifer Crops Working Group, 26-28 June 2013, St. Petersburg, Russian Federation.


Note: the "IPGRI numbers" refer to the *Descriptors for wild and cultivated Carrots* published by IPGRI (now Bioversity)⁷.

Number	IPGRI number	Descriptor name	Descriptor state	Notes
1	7.1.12	Leaf growth habit (attitude)	3 Prostrate 5 Semi-erect 7 Erect	See Fig. 1
 <p>Fig. 1. Leaf growth habit (attitude)</p>				
2	7.1.14	Leaf type	1 Celery 2 Normal 3 Parsley or Fern	See Fig. 2
 <p>Fig. 2. Leaf type</p>				
3	7.1.16	Leaf colour	1 Yellow green 2 Green 3 Grey-green 4 Purple green 99 Other	
4	7.2.1	Bolting tendency	3 Low 5 Intermediate 7 High	

⁷ IPGRI. 1998. [Descriptors for wild and cultivated Carrots](#). International Plant Genetic Resources Institute, Rome, Italy.

Number	IPGRI number	Descriptor name	Descriptor state	Notes
8	7.4.14	Root shape	1 Round 2 Obovate 3 Obtriangular 4 Oblong 5 Tapering 99 Other	See Fig. 6
 <p>Fig. 6. Root shape</p>				
9	7.4.16	Root shoulder shape	1 Flat 2 Flat to rounded 3 Rounded 4 Rounded to conical 5 Conical 99 Other	See Fig. 7
 <p>Fig. 7. Root shoulder shape</p>				
10	7.4.17 (modified)	Colour of skin on shoulder	0 No difference 3 Green 5 Violet	See Fig. 8
 <p>Fig. 8. Colour of skin on shoulder</p>				

Number	IPGRI number	Descriptor name	Descriptor state	Notes
11	7.4.21	Root tip/end shape	1 Blunt 2 Rounded 3 Pointed	See Fig. 9
 <p>1 2 3</p> <p>Fig. 9. Root tip/end shape</p>				
12	7.4.22	Root skin pigmentation colour	1 White 2 Yellow 3 Orange 4 Red 5 Purple 99 Other	See Fig. 10
 <p>1 2 3 4 5</p> <p>Fig. 10. Root skin pigmentation colour</p>				
13	7.5.5	Outer core pigmentation/colour	1 White 2 Yellow 3 Orange 4 Red 5 Purple 99 Other	(Observation at maximum diameter) See Fig. 11
 <p>1 2 3 4 5</p> <p>Fig. 11. Outer core pigmentation/colour</p>				

Number	IPGRI number	Descriptor name	Descriptor state	Notes
14	7.5.7	Inner core pigmentation/colour	1 White 2 Yellow 3 Orange 4 Red 5 Purple 99 Other	(Observation at maximum diameter) See Fig. 12
 <p data-bbox="421 636 1230 663">1 2 3 4 5</p> <p data-bbox="630 696 1021 723">Fig. 12. Inner core pigmentation/colour</p>				
15	7.7.1	Accession longevity (lifespan)	1 Annual 2 Biennial 3 Both	