

Eryngium L.
Eryngium planum L.
Eryngium alpinum L.
Eryngium x zabelii H. Christ ex Bergmans (E. alpinum x E. bourgatii)
National protocol: NP/DKR/2.rev

Botanical taxon: Eryngium L., Eryngium planum L.,
Eryngium alpinum L.,
Eryngium x zabelii H. Christ ex Bergmans
(E. alpinum x E. bourgatii)

Common Name (when known): Sea Holly

Date of preparation of NP: 2018

Date of revision of NP: 01-01-2020

NP data prepared by: W.A. Wietsma

Sample to be examined: VEGETATIVE

Number of foreseen growing cycles: 1 year

Closing date for applications: 15/06

Submission date/period: 15/08 – 15/09

Plant Quantity: 24 young plants, appropriate to be grown in the
open and show all the characteristics in the first
year of examination

Special conditions sample: None

Test station address: Naktuinbouw, Sotaweg 22, 2371 AA
Roelofarendsveen

Name: Team Support Variety Testing Department

E-mail: teamsupport@rasraad.nl

List of grouping characteristics: NO, (if yes put as annex)

Minimum number of plants in trial: Vegetative: 20 Seed: not appl.

Minimum number of plants observed
by measuring or counting: Vegetative: 1 Seed: not appl.

Give description of when observations on the flower should take place:
At full flowering

Give description of when/where observations on the leaf should take place:
At full flowering

Give description of when/where the other observations should take place:
At full flowering

Test will take place: OUTDOOR

Uniformity: A population standard of 1% with an acceptance probability of at least
95%. Number of Off-types allowed: one off-type allowed in a sample size of 20

Table of characteristics: PRESENT (see annex)
(if present, please annex the table of characteristics and explanations)

Literature: PRESENT (see annex)

Table of characteristics Eryngium

1. Plant: height (incl. peduncle)	low	(3)	Eptj
	medium	(5)	Epnd 13
	high	(7)	Kolmaros
2. Petiole: length	short	(3)	Jewel Stone
	medium	(5)	Dekostar
	long	(7)	Kolmaros
3. Petiole: colour	light green	(3)	Dekostar
	medium green	(5)	Eptj
	dark green	(7)	
4. Petiole: anthocyanin coloration	absent	(1)	Eptj
	present	(9)	Kolmapufa
5. Petiole: intensity of anthocyanin coloration	weak	(3)	
	medium	(5)	Kolmapufa
	strong	(7)	
6. Leaf blade: length	short	(3)	Jewel Stone
	medium	(5)	Kolmaros
	long	(7)	Vega
7. Leaf blade: width	narrow	(3)	Eptj
	medium	(5)	Dekostar
	broad	(7)	Arabian Dawn
8. Leaf blade: shape	ovate	(1)	Kolmapufa
	broad ovate	(2)	Amazing Jackpot
	ovate to broad ovate	(3)	Eptj
	elliptic	(4)	White Star
	broad elliptic	(5)	Jade Frost
	obovate	(6)	Neptune's Gold
9. Leaf blade: variegation	absent	(1)	Kolmaros
	present	(9)	Neptunes Gold
10. Leaf: colour 1 of upper side	RHS Colour Chart (indicate reference number)		
11. Leaf blade: area of colour 1			
12. Leaf blade: colour 2 of upper side	RHS Colour Chart (indicate reference number)		
13. Leaf blade: area of colour 2			
14. Leaf blade: colour 3 of upper side	RHS Colour Chart (indicate reference number)		
15. Leaf blade: area of colour 3			
16. Leaf blade: anthocyanin coloration	absent	(1)	Neptunes Gold
	present	(9)	Myers Blue
17. Leaf blade: intensity of anthocyanin coloration	weak	(3)	Myers Blue
	medium	(5)	
	strong	(7)	
18. Leaf blade: firmness	absent	(1)	White Star
	present	(9)	Neptunes Gold
19. Leaf blade: firmness of prickles	soft	(1)	Dekostar
	hard	(2)	Neptunes Gold
20. Peduncle: height branching upwards	low	(3)	Epnd 13
	medium	(5)	Kolmaros
	high	(7)	Kolmbufa

21. Peduncle: main branch: colour at base	light green medium green dark green	(3) (5) (7)	Kolmaros Eptj
22. Peduncle: main branch anthocyanin coloration at base	absent present	(1) (9)	Kolmaros Epdn 13
23. Peduncle: main branch: intensity of anthocyanin at base	weak medium strong	(3) (5) (7)	Kolmbufa Epdn 13
24. Peduncle: main branch: anthocyanin coloration distal half	absent present	(1) (9)	Epdn 13
25. Peduncle: main branch: intensity of anthocyanin coloration distal half	weak medium strong	(3) (5) (7)	Eptj Kolmaros Kolmbufa
26. Peduncle: side branches: anthocyanin coloration	absent present	(1) (9)	Mijers Blue
27. Peduncle: side branches: intensity of anthocyanin coloration	weak medium strong	(3) (5) (7)	Eptj Mijers Blue Kolmbufa
28. Cauline leaves: petiole: length	short medium long	(3) (5) (7)	Epdn 13 Neptunes Gold
29. Cauline leaves: variegation	absent present	(1) (9)	Kolmarus Neptunes Gold
30. Cauline leaves: colour 1 of RHS Colour Chart (indicate reference number) upper side			
31. Cauline leaves: area of colour 1			
32. Cauline leaves: colour 2 of RHS Colour Chart (indicate reference number) upper side			
33. Cauline leaves: area of colour 2			
34. Cauline leaves: colour 3 of RHS Colour Chart (indicate reference number) upper side			
35. Cauline leaves: area of colour 3			
36. Cauline leaves: anthocyanin coloration	absent present	(1) (9)	Mijers Blue
37. Cauline leaves: intensity of anthocyanin coloration	weak medium strong	(3) (5) (7)	Epdn 13 Mijers Blue
38. Cauline leaves: prickles	absent present	(1) (9)	Epdn 13
39. Cauline leaves: firmness of prickles	soft hard	(1) (2)	Kolmapufa Epdn 13
40. Capitulum: length	short medium long	(3) (5) (7)	Little Blue Wonder Double Jackpot Kolmanita
41. Capitulum: width	narrow medium broad	(3) (5) (7)	Little Blue Wonder Aquarius Kolmapufa

42. Capitulum: shape	ovoid (1) ovoid to broad ovoid (2) broad ovoid (3) conical (4)	Kolmaros Aquarius Allmonday Epdn 13
43. Involucre: diameter cross-section	small (3) medium (5) large (7)	Kolmapufa Meijers Blue Kolmanita
44. Involucre: colour of upper side	RHS Colour Chart (indicate reference number)	
45. Involucre: colour of lower side		
46. Periant: colour		
47. Anthers: colour		
Literature: Atrium tuinplanten encyclopedie: C. Brickell The Encyclopedia of Garden Flowers: K&G Bryant Encyclopedia of Garden Plants and Flower: Lance Hattate Dictionary of Gardening: The Royal Horticultural Society Hortica: A.B.Graf		