

***Azolla caroliniana* Willd.**
National protocol: NP/AZC/3

Examination office	Naktuinbouw	
Reference of the protocol	NP/AZC/3	
Date of preparation of the protocol	01/12/2021	
Date of entry into force of the protocol	16/12/2009	
Botanical taxon:	<i>Azolla caroliniana</i> Willd.	
Common Name (when known):	kroosvaren (NL); Carolina mosquito fern, fairy moss, duckweed fern, water fern (EN)	
Way of propagation of the plants to be examined	Self or cross pollinated seed propagated <input type="checkbox"/> Vegetatively propagated <input checked="" type="checkbox"/>	
Number of growing cycles:	1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> Other <input type="checkbox"/> specify Click or tap here to enter text.	
List of grouping characteristics	Yes <input type="checkbox"/> if yes put as annex No <input checked="" type="checkbox"/>	
Minimum number of plants in trial	Vegetative:20	Seed: Click or tap here to enter text.
Minimum number of plants observed by measuring or counting:	Vegetative:10	Seed: Click or tap here to enter text.
Give description of when observations should take place	<p>Observations on the leaves should be made at fully developed, vital plants.</p> <p>Other observations should be made at fully developed, vital plants.</p> <p>Observation period: from July 1 to at least September 30.</p>	

<p>Uniformity:</p> <ul style="list-style-type: none"> - For the assessment of uniformity of vegetatively propagated varieties, a population standard of 1% with an acceptance probability of at least 95% should be applied. Number of Off-types allowed: one off-type allowed in a sample size of 8. 	
Table of characteristics	Present <input checked="" type="checkbox"/> Not available <input type="checkbox"/>
Literature (when present, please annex to this document)	Present <input checked="" type="checkbox"/> Absent <input type="checkbox"/>

Table of characteristics *Azolla caroliniana* Willd. (NP/AZC/3)

	Characteristic	Expression	Note
1	Plant: number of branches	very few few medium many very many	1 3 5 7 9
2	Plant: width (at the base of one stem)	very small small medium large very large	1 3 5 7 9
3	Roots: number	very few few medium many very many	1 3 5 7 9
4	Root: length	very short short medium long very long	1 3 5 7 9
5	Root: color	yellow green black brown	1 2 3
6	Stem: thickness	very thin thin medium thick very thick	1 3 5 7 9
7	Leaves: number	very few few medium many very many	1 3 5 7 9
8	Leaf: length	very short short medium long very long	1 3 5 7 9
9	Leaf: width	very narrow narrow medium broad very broad	1 3 5 7 9
10	Leaf: shape	circular ovate	1 2
11	Leaf: shape in cross section	concave flat convex	1 2 3

12	Leaf: intensity of green color of upper side	very light light medium dark very dark	1 3 5 7 9
13	Leaf: color of margin	transparant green red	1 2 3
14	Leaf: intensity of anthocyanin coloration of upper side	absent or very weak weak medium strong very strong	1 2 3 4 5
15	Leaf: shape of apex	acute acute to rounded rounded	1 2 3
16	Leaf: shape of base	acute acute to rounded rounded	1 2 3
	<p>Literature:</p> <p>Chittenden, F.J., 1951: Dictionary of Gardening. The Royal Horticultural Society. Oxford at the Clarendon Press, GB.</p> <p>Graf, A.B., 1992: Hortica: A Color Cyclopedia of Garden Flora: In All Climates and Indoor Plants. Roehrs Co.</p> <p>Morin, N., 1994: Flora of North America. Volume 2. Pteridophytes and Gymnosperms. Oxford University Press.</p>		