Spirodela polyrhiza (L.) Schleid
Simplified standard protocol: NP/SPI/2

Examination office	Naktuinbouw	
Reference of the protocol	NP/SPI/2	
Date of preparation of the protocol	01/12/2021	
Date of entry into force of the protocol	01/12/2010	
Botanical taxon:	*Spirodela polyrhiza* (L.) Schleid	
Common Name (when known):	veelwortelig kroos (NL); greater duckweed (EN); Teichlinse (D)	
Way of propagation of the plants to be examined	Self or cross pollinated seed propagated ☐ Vegetatively propagated ☒	
Number of growing cycles:	1 ☒ 2 ☐ Other ☐ specify Click or tap here to enter text.	
List of grouping characteristics	Yes ☐ if yes put as annex No ☒	
Minimum number of plants in trial	Vegetative:500	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	Observations on the leaves should be made at fully developed, vital plants. Other observations should be made at fully developed, vital plants. Observation period: from July 1 to at least September 30.	

Uniformity: - 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.	
Table of characteristics	Present ☒ Not available ☐
Literature (when present, please annex to this document)	Present ☒ Absent ☐

Table of characteristics *Spirodela polyrhiza (L.) Schleid* (NP/SPI/2)

	Characteristic	Expression	Note
1	Roots: number	very few few medium many very many	1 3 5 7 9
2	Root: length	very short short medium long very long	1 3 5 7 9
3	Root: color (in full grown stage)	green transparent	1 2
4	Leaf: length	very short short medium long very long	1 3 5 7 9
5	Leaf: width	very narrow narrow medium broad very broad	1 3 5 7 9
6	Leaf: shape	circular broad elliptic ovate obovate	1 2 3 4
7	Leaf: intensity of green color of upper side	very light light medium dark very dark	1 3 5 7 9
8	Leaf: color of lower side	green red	1 2
9	Leaf: color of margin	transparent green red	1 2 3
10	Leaf: shape of apex	slightly pointed rounded flattened	1 2 3
11	Leaf: shape of base	pointed rounded	1 2
12	Leaf: intensity of anthocyanin coloration of upper side	absent or very weak weak medium strong very strong	1 3 5 7 9

13	Leaf: intensity of anthocyanin coloration of lower side	absent or very weak weak medium strong very strong	1 3 5 7 9
14	Leaf: thickness	thin medium thick	1 2 3
15	Leaf: profile in longitudinal section	concave plane convex	1 2 3
16	Leaf: conspiciousness of veins	weak medium strong	1 2 3
17	Speed of multiplication	very slow slow medium fast very fast	1 3 5 7 9

Literature:

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Graf, A.B., 1992: Hortica: A Color Cyclopedia of Garden Flora: In All Climates and Indoor Plants. Roehrs Co.

Landolt, E., Kandeler, R., 1987: Biosystematic investigations in the family of duckweeds (Lemnaceae). Veröffentlichungen des Geobotanischen Institutes der Eidg. Tech. Hochschule Stiftung Rübel 95, CH, 638 pp.

Meijden, R. van der, Weeda, E.J., Adema, F.A.C.B., Jonckheere, G.J. de, 1983: Heukels' Flora van Nederland. Wolters-Noordhoff, Groningen, NL.

Vasseur, L., Aarssen, L.W. & Lefebvre, D.D., 1991: Allozymic and morphometric variation in Lemna minor (Lemnaceae). Plant Systematics and Evolution 177, pp. 139 to 148.