

***Nasturtium officinale* R. Br.**
National protocol: NP/WTk/3

Examination office	Naktuinbouw	
Reference of the protocol	NP/WTk/3	
Date of preparation of the protocol	01/12/2021	
Date of entry into force of the protocol	16/12/2009	
Botanical taxon:	<i>Nasturtium officinale</i> R. Br.	
Common Name (when known):	waterkers (NL); watercress (EN); brunnencresse (DE)	
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:30	Seed: Click or tap here to enter text.
Minimum number of plants observed by measuring or counting:	Vegetative:20	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 *Nasturtium officinale* R. Br. (NP/WTk/3)

	Characteristic	Expression	Note
1	Plant: height	short medium tall	1 2 3
2	Plant: growth habit	erect semi-erect prostrate	1 2 3
3	Plant: number of axillary branches	few medium many	1 2 3
4	Stem: internode length	short short to medium medium medium to long long	1 2 3 4 5
5	Stem: thickness	thin medium thick	1 2 3
6	Stem: intensity of green color	light medium dark	1 2 3
7	Stem: intensity of anthocyanin coloration	light medium dark	1 2 3
8	Stem: number of aerial roots	few medium many	1 2 3
9	Stem: hairiness	absent or weak medium strong	1 2 3
10	Foliage: glossiness	weak medium strong	1 2 3
11	Leaf: profile of terminal leaflet in cross-section	concave flat convex	1 2 3
12	Leaf: length	short medium long	1 2 3
13	Leaf: width	narrow medium broad	1 2 3
14	Leaf: intensity of green color	light medium dark	1 2 3
15	Leaf: intensity of anthocyanin coloration	absent or weak medium strong	1 2 3

16	Leaf: length of terminal leaflet	short short to medium medium medium to long long	1 2 3 4 5
17	Leaf: width of terminal leaflet	narrow medium broad	1 2 3
18	Leaf: shape of terminal leaflet	ovate lanceolate circular medium elliptic narrow elliptic	1 2 3 4 5
19	Leaf: shape of apex of terminal leaflet	acute obtuse rounded	1 2 3
20	Leaf: shape of base of terminal leaflet	obtuse truncate cordate	1 2 3
21	Petiole: length from axil to first leaflet	short medium long	1 2 3
22	Time of beginning of flowering	early early to medium medium medium to late late	1 2 3 4 5
23	Number of plants with flowers	low low to medium medium medium to high high	1 2 3 4 5
24	Flower: diameter	small medium large	1 2 3
25	Pedice: length	short medium long	1 2 3
26	Siliqua: length	short short to medium medium medium to long long	1 2 3 4 5
27	Siliqua: width	narrow narrow to medium medium medium to broad broad	1 2 3 4 5

	<p>Literature:</p> <p>Meijden, R. van der, Weeda, E.J., Adema, F.A.C.B., Jonckheere, G.J. de, 2005: Heukels' Flora van Nederland. Wolters-Noordhoff. Groningen, NL. UPOV-document TG/NASTU(PROJ.4), February 2019</p>
--	---