

DISCLAIMER

The present version of the national guideline has been accepted by the President of the CPVO for its use in technical examinations carried out on behalf of the CPVO or for the take-over of reports serving as a basis for a CPVO decision.

Athyrium
Simplified standard protocol: SSP/ATT/1

Examination office	Naktuinbouw	
Reference of the protocol	SSP/ATT/1	
Date of preparation of the protocol	27/11/2023	
Date of entry into force of the protocol	01/03/2022	
Botanical taxon:	Athyrium niponicum (Mett.) Hance	
Common Name (when known):	Japanese painted fern	
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	
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: -
Minimum number of plants observed by measuring or counting:	Vegetative:1	Seed: -
Give description of when observations should take place	see: EXPLANATIONS ON THE TABLE OF CHARACTERISTICS	
<p>Uniformity:</p> <ul style="list-style-type: none"> - For the assessment of uniformity of vegetatively propagated, self-pollinated seed propagated varieties or F1-hybrids, a population standard of 1% and an acceptance probability of at least 95% should be applied. In the case of a sample size of 24 plants, 1 off-types are allowed. - For the assessment of uniformity for cross-pollinated varieties, the recommendations for cross-pollinated varieties in the General introduction of UPOV should be applied. The variability within the variety should not exceed the variability of comparable varieties already known. 		
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"/>
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TABLE OF CHARACTERISTICS

N°	Stage	Characteristics
1.	(a)	Plant: growth habit
2.	(a)	Plant: height
3.	(a)	Plant: width
4.	(a)	Leaf: type
5.	(b)	Young leaf blade: main color of upper side RHS Colour Chart (indicate reference number)
6.	(b)	Young leaf blade: secondary color of upper side RHS Colour Chart (indicate reference number)
7.	(b)	Young leaf blade: distribution of secondary color of upper side
8.	(b)	Young leaf blade: tertiary color of upper side RHS Colour Chart (indicate reference number)
9.	(b)	Young leaf blade: distribution of tertiary color of upper side
10.	(b)	Young leaf blade: main color of lower side RHS Colour Chart (indicate reference number)
11.	(b)	Young leaf blade: secondary color of lower side RHS Colour Chart (indicate reference number)
12.	(b)	Young leaf blade: distribution of secondary color of lower side
13.	(b)	Young leaf blade: tertiary color of lower side RHS Colour Chart (indicate reference number)
14.	(b)	Young leaf blade: distribution of tertiary color of lower side
15.	(a)	Petiole: length
16.	(a)	Rachis: diameter
17.	(a)	Rachis: color of upper side RHS Colour Chart (indicate reference number)
18.	(a)	Rachis: pubescence of upper side
19.	(a)	Leaf blade: length
20.	(a)	Leaf blade: width
21.	(a)	Leaf blade: main color of upper side RHS Colour Chart (indicate reference number)

N°	Stage	Characteristics
22.	(a)	Leaf blade: secondary color of upper side RHS Colour Chart (indicate reference number)
23.	(a)	Leaf blade: distribution of secondary color of upper side
24.	(a)	Leaf blade: main color of lower side RHS Colour Chart (indicate reference number)
25.	(a)	Leaf blade: secondary color of lower side RHS Colour Chart (indicate reference number)
26.	(a)	Leaf blade: distribution of secondary color of lower side
27.	(a)	Leaf blade: density of pinna arrangement
28.	(a)	Leaf blade: length of pinna
29.	(a)	Leaf blade: width of pinna
30.	(a)	Leaf blade: shape of pinna
31.	(a)	Leaf blade: shape of apex of pinna
32.	(a)	Leaf blade: color of sorus RHS Colour Chart (indicate reference number)
33.	(a)	Leaf blade: shape of pinnula

EXPLANATIONS ON THE TABLE OF CHARACTERISTICS

Explanations covering several characteristics

- (a) Observations on the plant, leaf blade, petiole, rachis should be made on full grown plants
- (b) Observations on the young leaf blade should be made in spring on newly formed leaves.

LITERATURE

The Cambridge Illustrated Glossary of Botanical Terms: by Michael Hickey and Clive King

Name that flower: by Ian Clarke and Heleen Lee

Botanisch woordenboek: by Henk Eggelte