



APPLICATIONS UNDER EXAMINATION

HAKONE GRASS

HAKONE GRASS
(*Hakonechloa macra*)

Proposed denomination: 'Hakbri1'
Application number: 22-10985
Application date: 2022/06/03
Applicant: Gurjit Sidhu, Mission, British Columbia
Breeder: Corey Meir, Sidhu & Sons Nursery U.S.A., Inc., Elma, Washington, United States of America

Varieties used for comparison: 'All Gold' and 'Aureola'

Summary: *The plants of 'Hakbri1' are smaller than those of 'Aureola'. The foliage for 'Hakbri1' is dense whereas that of both reference varieties is a medium density. The leaf blade of 'Hakbri1' is shorter than that of 'Aureola'. The leaf blade of 'Hakbri1' is variegated whereas that of 'All Gold' is not variegated. The upper side of the upper leaf blades of 'Hakbri1' are medium yellow and light yellow with white secondary colour whereas those of 'All Gold' are medium to light green and those of 'Aureola' are medium yellow with medium to light green secondary colour. The lower side of the upper leaf blades of 'Hakbri1' are medium yellow and light yellow with white secondary colour whereas those of 'All Gold' are medium to light green and those of 'Aureola' are light green with light yellow secondary colour.*

Description:

PLANT: vegetatively propagated, perennial type, bushy and pendulous growth habit, medium vigor, dense foliage
CULM: semi-erect attitude

LEAF: opposite arrangement, medium to dense pubescence at ligule

LEAF BLADE: linear shape, acuminate apex, entire margin, ranging from flat to weakly concave in cross section, variegated

UPPER LEAF BLADE: upper and lower sides mainly medium yellow (RHS 9B) and light yellow (RHS 10B-C) with white (RHS NN155A) secondary colour

LOWER LEAF BLADE: upper side mainly medium green to light green (RHS 144A-B) with light green (RHS 144C) secondary colour, lower side mainly medium brown green (RHS 138B) and light green (RHS 139D) with white (RHS 155A) secondary colour

LEAF SHEATH: very sparse pubescence

Origin and Breeding: 'Hakbri1' originated as a naturally occurring mutation of the variety 'All Gold' discovered in Elma, Washington, USA in the spring of 2016. The new variety 'Hakbri1' was selected based on foliage colour. Asexual reproduction by tissue culture was initiated in Elma, Washington in July of 2017.

Tests and Trials: The comparative trial for 'Hakbri1' was conducted as an outdoor container trial during the summer of 2022 at Bioflora Inc., in St. Thomas, Ontario. The trial included 10 plants each of the candidate and reference varieties. Rooted cuttings were transplanted into 7.6 litre containers in the spring of 2022. Observations and measurements were taken from 10 plants of each variety on August 26, 2022. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Hakbri1'

	'Hakbri1'	'All Gold**'	'Aureola**'
<i>Plant height (cm)</i>			
mean	23.6	24.4	30.5
std. deviation	1.66	2.47	4.09
<i>Plant width (cm)</i>			
mean	46.9	44.5	64.3
std. deviation	3.21	5.95	4.69

<i>Leaf blade length (cm)</i>			
mean	12.4	12.2	16.4
std. deviation	1.16	1.39	1.27
<i>Colour of upper side of upper leaf (RHS)</i>			
main	9B, 10B-C	144A-B	8B
secondary	NN155A	N/A	144A-B
<i>Colour of lower side of upper leaf (RHS)</i>			
main	9B, 10B-C	144A-B	144B
secondary	NN155A	N/A	10B-C

*reference varieties



Hakone Grass: 'Hakbri1' (left) with reference varieties 'All Gold' (center) and 'Aureola' (right)