



APPLICATIONS UNDER EXAMINATION

BRUNNERA

BRUNNERA
(Brunnera macrophylla)

Proposed denomination: 'Emerald Mist'
Application number: 07-6127
Application date: 2007/12/27
Applicant: Walters Gardens, Inc., Zeeland, Michigan, United States of America
Agent in Canada: Variety Rights Management, Oxford Station, Ontario
Breeder: Michael G. Kwantes, Walters Gardens Inc., Allegan, Michigan, United States of America

Variety used for comparison: 'Langtrees'

Summary: 'Emerald Mist' has a narrower plant width than 'Langtrees'. 'Emerald Mist' has a shorter and narrower leaf blade than 'Langtrees'. The main colour of the upper side of the leaf blade is green grey for 'Emerald Mist' while it medium green for 'Langtrees'. The secondary colour on the upper side of the leaf blade is brown green for 'Emerald Mist' while it is green grey for 'Langtrees'.

Description:

PLANT: mounded growth habit, sparse branching

STEM: medium green, absent or very weak anthocyanin colouration, absent or very weak glaucosity, dense pubescence, narrow diameter, striate shape

LEAF: simple, reniform, acute to acuminate apex, cordate base, entire margin

UPPER SIDE: dense pubescence, absent or very weak glaucosity, variegation present, main colour green grey (RHS 189C-D), secondary colour brown green (RHS 191A to 137B) located on margin and veins, secondary colour covering a small surface area

LOWER SIDE: medium to dense pubescence, light green

PETIOLE: present

INFLORESCENCE: flowers once, early season, short flowering time, cyme type, terminal in location, erect attitude

PETALS: touching, five, rounded shape, upper side light blue (RHS 106B-C)

Origin and Breeding: 'Emerald Mist' originated as a sport of the brunnera variety 'Jack Frost'. It was discovered in the spring of 2002 at Walters Gardens Inc. in Zeeland, Michigan, USA.

Tests and Trials: Trials were conducted during the spring/summer of 2009 in Oxford Station, Ontario. Fifteen plants of each variety were grown in 15 cm pots in a polyhouse. Plants were spaced approximately 60 cm apart. Observations and measurements were taken on 10 plants of each variety. Colours were determined using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Emerald Mist'

	'Emerald Mist'	'Langtrees'*
<i>Plant width (cm)</i>		
mean	32.38	38.13
std. deviation	2.39	1.56
<i>Leaf blade length (cm)</i>		
mean	14.06	16.19
std. deviation	0.72	0.96
<i>Leaf blade width (cm)</i>		
mean	13.44	15.88
std. deviation	1.08	1.22

Colour of upper side of leaf blade (RHS)

secondary

191A to 137B

189C-D

*reference variety



Brunnera: 'Emerald Mist' (left) with reference variety 'Langtrees' (right)

Proposed denomination: 'King's Ransom'

Application number: 08-6135

Application date: 2008/01/18

Applicant: Walters Gardens, Inc., Zeeland, Michigan, United States of America

Agent in Canada: Variety Rights Management, Oxford Station, Ontario

Breeder: Daniel Heims, Portland, Oregon, United States of America

Variety used for comparison: 'Jack Frost'

Summary: 'King's Ransom' has a narrower leaf blade than 'Jack Frost'. The secondary colour on the upper side of the leaf blade is white to light yellow brown for 'King's Ransom' while it is dark green for 'Jack Frost'. The secondary colour is located on the margin for 'King's Ransom' while it is located on the margin and veins for 'Jack Frost'.

Description:

PLANT: mounded growth habit, sparse branching

STEM: medium green, absent or very weak anthocyanin colouration, absent or very weak glaucosity, dense pubescence, narrow diameter, striate shape

LEAF: simple, reniform, acute to acuminate apex, cordate base, entire margin

UPPER SIDE: dense pubescence, absent or very weak glaucosity, variegation present, main colour green grey (RHS 192D to 190D), secondary colour white (RHS 157D) to light yellow brown (RHS 158C) with brown green (RHS 138A) veins, secondary colour at margin covering a very small surface area

LOWER SIDE: medium to dense pubescence, light green

PETIOLE: present

INFLORESCENCE: flowers once, early season, short flowering time, cyme type, terminal in location, erect attitude

PETALS: touching, five, rounded shape, upper side light blue (RHS 106B-C)

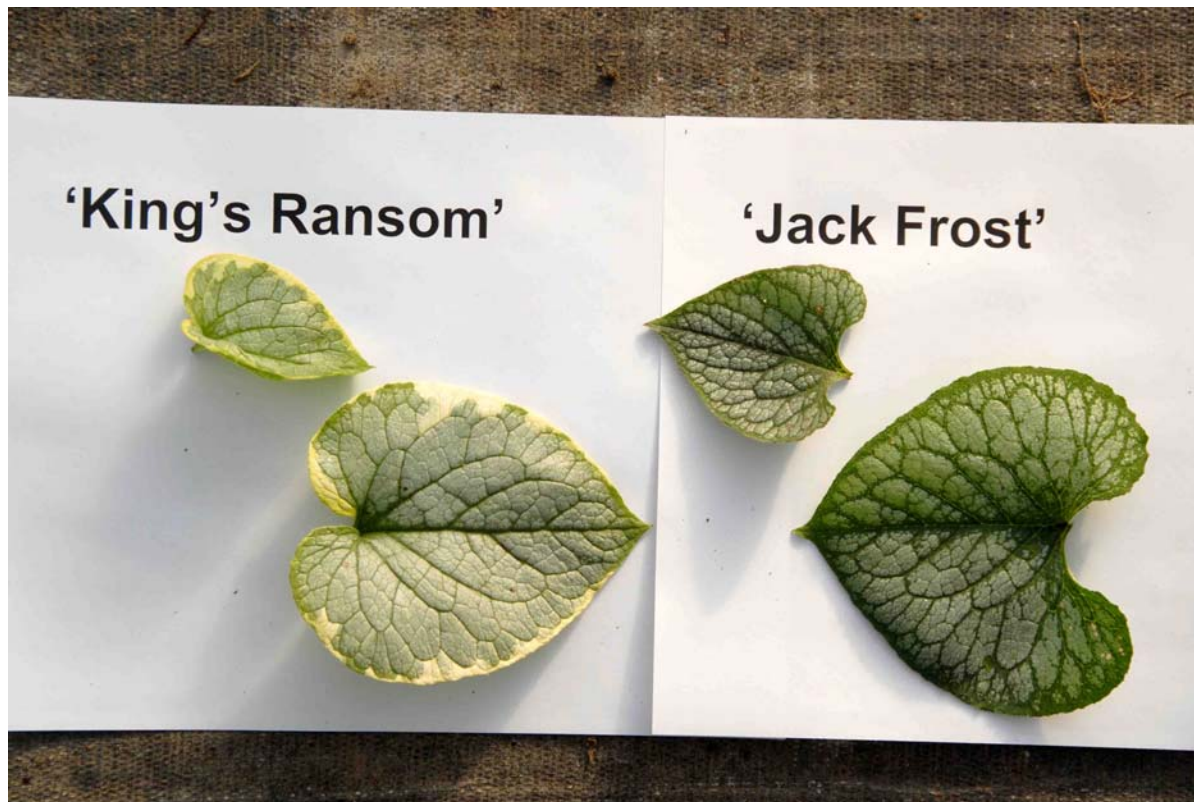
Origin and Breeding: ‘King’s Ransom’ originated as a sport of the brunnera variety ‘Jack Frost’. It was discovered in the summer of 2004 at Terra Nova Nurseries in Canby, Oregon, USA.

Tests and Trials: Trials were conducted during the spring/summer of 2009 in Oxford Station, Ontario. Fifteen plants of each variety were grown in 15 cm pots in a polyhouse. Plants were spaced approximately 60 cm apart. Observations and measurements were taken on 10 plants of each variety. Colours were determined using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for ‘King’s Ransom’

	‘King’s Ransom’	‘Jack Frost’*
<i>Leaf blade width (cm)</i>		
mean	11.69	14.06
std. deviation	1.49	1.86
<i>Colour of upper side of leaf blade (RHS)</i>		
main	192D - 190D	194D - 193D
secondary	157D - 158C, veins 138A	137A

*reference variety



Brunnera: ‘King’s Ransom’ (left) with reference variety ‘Jack Frost’ (right)