



APPLICATIONS UNDER EXAMINATION

FUCHSIA

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(Fuchsia)

Proposed denomination: 'Kiefubart'
Trade name: Windchime Dark Eyes
Application number: 05-5084
Application date: 2005/10/05
Applicant: Kieft Bloemzaden B.V., Venhuizen, The Netherlands
Agent in Canada: Variety Rights Management, Oxford Station, Ontario
Breeder: Cees Van Diepen, Kieft Bloemzaden B.V., Venhuizen, The Netherlands

Variety used for comparison: 'Kiefuzak' (Windchime Rose & Purple)

Summary: *'Kiefubart' has wider leaves and wider flowers than 'Kiefuzak'. The hypanthiums of 'Kiefubart' are globose in shape and red in colour, whereas those of 'Kiefuzak' are cylindrical and red to red purple. The sepals of 'Kiefubart' are wider than those of the reference variety. The two varieties also differ in sepal and petal colour.*

Description:

PLANT: upright, arching to trailing growth habit

STEM: medium anthocyanin colouration

LEAF BLADE: medium to dark green, no blistering, absent or very shallow incisions of margin

FLOWER: single, opening early to mid-season, weak to medium anthocyanin on ovary, red style, red filament

HYPANTHIUM: present, globose shape, dark pink red to red

SEPAL: longer than petals, horizontal attitude, straight apex, dark pink red to red on outer and inner sides

PETAL: four, dark violet to purple on outer and inner sides, pink at base

Origin and Breeding: 'Kiefubart' originated from the crossing in 2001 of the seedling A2534-2 (female parent) with a seedling known as A2593-1 (male parent). The cross took place at Venhuizen, the Netherlands. The F1 seedlings were grown out in 2002 and were evaluated for plant habit, flower colour and flower size. In 2002, the new variety was selected, with reliable propagation and cutting stability used as the final selection criteria for 'Kiefubart'.

Tests and Trials: Trials for 'Kiefubart' were conducted during the summer of 2008 at Oxford Station, Ontario. The trials consisted of 15 plants of each variety, grown in 10cm pots. The plants were spaced in flats, approximately 25cm apart and were grown in a polyhouse. Observations and measurements were taken from 10 plants of each variety. All colour measurements were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Kiefubart'

	'Kiefubart'	'Kiefuzak**'
<i>Leaf length (cm)</i>		
mean	4.56	3.5
std. deviation	0.56	0.30
<i>Leaf width (cm)</i>		
mean	2.6	1.5
std. deviation	0.50	0.20
<i>Flower width (cm)</i>		
mean	5.49	4.60
std. deviation	0.36	0.35
<i>Colour of hypanthium (RHS)</i>		
main colour	52A to 50A	N57A to 51A

Width of sepal (cm)

mean	1.30	0.85
std. deviation	0.26	0.05

Colour of sepal (RHS)

outer side	52A/50A	N57A/51A
inner side	52A/50A	N57A-B

Colour of petal (RHS)

outer side	83A/86A to 71A	N78B to 70A
inner side	83A/86A to 71A	N78B to 70A

*reference variety



Fuchsia: 'Kiefubart' (left) with reference variety 'Kiefuzak' (right)

Proposed denomination: 'Kiefucor'
Trade name: Windchime White & White
Application number: 05-5085
Application date: 2005/10/05
Applicant: Kieft Bloemzaden B.V., Venhuizen, The Netherlands
Agent in Canada: Variety Rights Management, Oxford Station, Ontario
Breeder: Cees Van Diepen, Kieft Bloemzaden B.V., Venhuizen, The Netherlands

Variety used for comparison: 'Kiewiwidiv' (Diva White & White)

Summary: 'Kiefucor' has slightly wider flowers than the reference variety 'Kiewiwidiv'. The hypanthium of 'Kiefucor' is white in colour, cylindrical in shape and longer than the hypanthium of 'Kiewiwidiv' which is globose in shape and red pink to light red pink in colour. The sepals of 'Kiefucor' are wider than those of the reference variety and are white in colour, whereas the sepals of 'Kiewiwidiv' are white with light red pink towards the base on the outer side.

Description:

PLANT: upright bushy to arching habit

STEM: weak anthocyanin colouration

LEAF BLADE: medium green, no blistering, absent or very shallow incisions of margin

FLOWER: single, opening mid-season, no anthocyanin on ovary, white style, pink filament

HYPANTHIUM: present, cylindrical shape, white

SEPAL: equal to or longer than petals, horizontal attitude, straight apex, white on outer and inner sides

PETAL: four, white on outer and inner sides

Origin and Breeding: 'Kiefucor' originated from the crossing in 2001 of the seedling A2504 (female parent) with 'Bridal Pink' (male parent). The cross took place at Venhuizen, the Netherlands. The F1 seedlings were grown out in 2002 and were evaluated for plant habit, flower colour and flower size. In 2002, the new variety was selected, with reliable propagation and cutting stability used as the final selection criteria for 'Kiefucor'.

Tests and Trials: Trials for 'Kiefucor' were conducted during the summer of 2008 at Oxford Station, Ontario. The trials consisted of 15 plants of each variety, grown in 10cm pots. The plants were spaced in flats, approximately 30cm apart and were grown in a polyhouse. Observations and measurements were taken from 10 plants of each variety. All colour measurements were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Kiefucor'

	'Kiefucor'	'Kiewiwidiv'*
<i>Flower width (cm)</i>		
mean	6.53	5.60
std. deviation	0.49	0.48
<i>Colour of hypanthium (RHS)</i>		
main colour	155C	50C-D
<i>Length of hypanthium (cm)</i>		
mean	1.28	0.55
std. deviation	0.10	0.11
<i>Width of sepal (cm)</i>		
mean	1.07	0.78
std. deviation	0.10	0.09
<i>Colour of sepal (RHS)</i>		
outer side	155B-C	155B-C (slight 50D towards base)
inner side	155B-C	155B-C
<i>Colour of petal (RHS)</i>		
outer side	155B-C	155B-C
inner side	155B-C	155B-C

*reference variety



Fuchsia: 'Kiefucor' (left) with reference variety 'Kiewiwidiv' (right)