



APPLICATIONS UNDER EXAMINATION

CAPE FUCHSIA

CAPE FUCHSIA
(Phygelius aequalis)

Proposed denomination: 'Blacher'
Application number: 05-5089
Application date: 2005/10/06
Applicant: Anthony Robin & Susa White, Kilmeston, United Kingdom
Agent in Canada: Variety Rights Management, Oxford Station, Ontario
Breeder: Anthony Robin & Susa White, Kilmeston, United Kingdom

Variety used for comparison: 'Devil's Tears'

Summary: 'Blacher' has dark green to green-brown stem colour while 'Devil's Tears' has medium green stem colour. 'Blacher' has strong anthocyanin colouration in the stems while 'Devil's Tears' has weak anthocyanin. 'Blacher' has a wider leaf blade than 'Devil's Tears'. The upper side of the leaf blade is dark green for 'Blacher' while it is medium green for 'Devil's Tears'. The outer side of the corolla is red to dark pink red for 'Blacher' while it is orange red for 'Devil's Tears'.

Description:

PLANT: upright bushy growth habit, spreading at maturity, medium degree of branching
STEM: dark green to green brown, strong anthocyanin colouration, absent or very sparse pubescence

LEAF: opposite arrangement, simple, ovate shape, acute apex, attenuate base, irregular serrate margin, upper side dark green, no variegation

PETIOLE: short to medium length

FLOWER: one medium length flowering period, flowers mid season, panicle type inflorescence, terminal in position, spreading attitude, salverform corolla

COROLLA LOBES: five, partially fused to completely fused, medium sized, inner side light yellow (RHS 5D) at base with purple red (RHS 59D) and dark pink red (RHS 53C) towards margin, outer side red (RHS 45B-C) to dark pink red (RHS 53C-D)

Origin and Breeding: 'Blacher' originated from the pollination of two unnamed selections of cape fuchsia, made in Kilmeston, United Kingdom in 2000. The objective of the breeding program was to create new cape fuchsia varieties with improved form and floral traits.

Tests and Trials: Trials were conducted during the summer of 2009 in Oxford Station, Ontario. Fifteen plants of the candidate variety and ten plants of the reference 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 'Blacher'

	'Blacher'	'Devil's Tears'*
<i>Leaf blade width (cm)</i>		
mean	3.49	2.90
std. deviation	0.23	0.40
<i>Colour of corolla lobe (RHS)</i>		
inner side	5D and 59D to 53C	5D and 42A
outer side	45B-C to 53C-D	40B-C to 40D

*reference variety



Cape Fuchsia: 'Blacher' (left) with reference variety 'Devil's Tears' (right)

Proposed denomination: 'Passionate'
Application number: 05-5090
Application date: 2005/10/06
Applicant: Aad Geerlings, Lisserbroek, The Netherlands
Agent in Canada: Variety Rights Management, Oxford Station, Ontario
Breeder: Aad Geerlings, Lisserbroek, The Netherlands

Variety used for comparison: 'Devil's Tears'

Summary: *'Passionate' has a taller plant height and wider plant width than 'Devil's Tears'. 'Passionate' has purple and green brown stem colour while 'Devil's Tears' has medium green stem colour. 'Passionate' has very strong anthocyanin colouration in the stem while 'Devil's Tears' has weak anthocyanin. The upper side of the leaf blade is dark green for 'Passionate' while it is medium green for 'Devil's Tears'. 'Passionate' has a longer corolla length than 'Devil's Tears'. 'Passionate' differs slightly from 'Devil's Tears' in the colour on the inner and outer side of the corolla.*

Description:

PLANT: upright bushy growth habit, spreading at maturity, medium degree of branching

STEM: green brown to purple, very strong anthocyanin colouration, absent or very sparse pubescence

LEAF: opposite arrangement, simple, ovate shape, acute apex, attenuate base, irregular serrate margin, upper side dark green with anthocyanin colouration, no variegation

PETIOLE: short to medium length

FLOWER: one medium length flowering period, flowers mid season, panicle type inflorescence, terminal in position, spreading attitude, salverform corolla

COROLLA LOBES: five, partially fused to completely fused, medium sized, inner side yellow (RHS 6C to 11C) at base with red (RHS 43A) towards margin, outer side orange red (RHS 39A to 40C-D)

Origin and Breeding: ‘Passionate’ originated from the open pollination of unnamed selections of cape fuchsia, made in Lisserbroek, The Netherlands in 2002. The objective of the breeding program was to create new cape fuchsia varieties with improved form and floral traits.

Tests and Trials: Trials were conducted during the summer of 2009 in Oxford Station, Ontario. Fifteen plants of the candidate variety and ten plants of the reference 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 ‘Passionate’

	‘Passionate’	‘Devil’s Tears’*
<i>Plant height (cm)</i>		
mean	65.17	48.14
std. deviation	8.82	7.52
<i>Plant width (cm)</i>		
mean	51.17	41.20
std. deviation	4.96	4.12
<i>Corolla length (cm)</i>		
mean	5.10	3.75
std. deviation	0.32	0.50
<i>Colour of corolla lobe (RHS)</i>		
inner side	6C to 11C and 43A	5D and 42A
outer side	39A to 40C-D	40B-C to 40D

*reference variety



Cape Fuchsia: ‘Passionate’ (left) with reference variety ‘Devil’s Tears’ (right)