



APPLICATIONS UNDER EXAMINATION

CHRYSANTHEMUM

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(Chrysanthemum)

Proposed denomination: 'PWR-RSA'
Trade name: Power Rosé
Application number: 10-6998
Application date: 2010/06/09
Applicant: Willy's Greenhouses Ltd., Niagara on the Lake, Ontario
Agent in Canada: Variety Rights Management, Oxford Station, Ontario
Breeder: Simon Van Sproson, Willy's Greenhouses Ltd., Niagara on the Lake, Ontario

Variety used for comparison: 'Power Purple'

Summary: *The ray florets of 'PWR-RSA' are shorter than those of 'Power Purple'. The ray florets of 'PWR-RSA' are brown red with a lighter brown red flush while those of 'Power Purple' are purple with a blue pink flush.*

Description:

PLANT: six and a half to seven week response group, bushy type, dense branching, green stem

LEAF: absent or very small stipule, moderately upwards petiole attitude, short petiole relative to leaf length, medium length/width ratio, short terminal lobe relative to leaf length, predominantly obtuse base, weak glossiness of upper side, medium to dark green on upper side, absent or very weak pale margin, very weak pubescence on lower side, brown green on lower side, few margin indentations, shallow margin indentations

LOWEST LATERAL SINUS: shallow, diverging margins

FLOWER BUD: dark purple red (RHS 187C) outer side just before opening

FLOWER HEAD: single to semi-double type, daisy disc type, short, few rows of ray florets, medium density of ray florets

RAY FLORETS: one type, predominantly ligulate type, moderately ascending attitude of basal part, ribbed upper face, two keels, short corolla tube, flat in cross section, weakly revolute rolling of margin, rolled margin on middle half, circular profile of tube, straight longitudinal axis, medium length/width ratio, emarginate to dentate tip, one or two colours on upper side, brown red (RHS 181C) with lighter brown red (RHS 181D) flush at tip and on marginal zone, outer side similar in colour to inner side

DISC: medium diameter relative to head diameter, slightly domed in cross section, yellowish green colour group before anther dehiscence, no dark spot at centre before anther dehiscence, light yellow colour group at anther dehiscence

Origin and Breeding: 'PWR-RSA' originated as a naturally occurring mutation of the cultivar 'Power Purple', that occurred on September 8, 2009. The parent plant was put into 24 hour lighting to initiate vegetative growth and 4 series of stem cuttings were made to determine whether this mutation was stable and true to type. It was selected in the spring of 2010 and was named 'PWR-RSA'. The initial selection criteria and objective of the breeding program was to select new Chrysanthemum varieties with improved floral colour.

Tests and Trials: Trials for 'PWR-RSA' were conducted at Willy's Greenhouses Ltd., in Niagara on the Lake, Ontario in the Spring of 2011. The trial consisted of 20 plants each of the candidate and reference varieties. The varieties were planted with three cuttings per pot in 12 cm diameter shallow pots, spaced approximately 15 centimeters apart. Colour observations were made using the 2001 Royal Horticultural Society Colour Chart.

Comparison table for 'PWR-RSA'

	'PWR-RSA'	'Power Purple'*
Ray floret length (cm)		
mean	1.73	2.00
std. deviation	0.08	0.08

Colour in inner side of ray floret (RHS)

main 181C 61B fading to 64B with age
secondary 181D 64C-64D

*reference variety



Chrysanthemum: 'PWR-RSA' (left) with reference variety 'Power Purple' (right)



Chrysanthemum: 'PWR-RSA' (left) with reference variety 'Power Purple' (right)

CHRYSANTHEMUM*(Chrysanthemum ×morifolium)*

Proposed denomination: 'Dekcavallini'
Trade name: Cavallini
Application number: 09-6786
Application date: 2009/12/04
Applicant: Dekker Breeding B.V., Hensbroek, Netherlands
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Cornelis W. Dekker, Dekker Breeding B.V., Hensbroek, Netherlands

Variety used for comparison: 'Anastasia'

Summary: *The upper side of the leaf of 'Dekcavallini' is medium green while the upper side of the leaf of 'Anastasia' is dark green. The flower head of 'Dekcavallini' has predominantly spatulate ray florets while the flower head of 'Anastasia' has quilled ray florets. The longitudinal axis of the ray floret is moderately curved for 'Dekcavallini' while it is weakly curved for 'Anastasia'.*

Description:

PLANT: 7 week response group, tall, non bushy, green stem

LEAF: medium sized stipule, very strongly upwards to moderately upwards attitude of petiole, short to medium length petiole relative to leaf length, long length including petiole, medium to broad, medium to high length/width ratio, medium length terminal lobe relative to leaf length, predominantly rounded base, weak glossiness of upper side, medium green colour on upper side, medium to many margin indentations, medium depth of margin indentations

LOWEST LATERAL SINUS: deep, overlapping

FLOWER BUD: outer side yellow (RHS 2D) just before opening

FLOWER HEAD: double, large diameter, low height, long peduncle, dense ray florets

RAY FLORETS: predominant type spatulate, secondary type quilled, ribbed upper surface, long corolla tube, moderately concave in cross section at widest point, weakly revolute rolling of margin, rolled part at distal quarter, oblate profile of tube, long to very long, narrow to medium width, very high length/width ratio, pointed tip, one colour on inner side, white (RHS NN155D) on inner and outer side

LONGITUDINAL AXIS OF RAY FLORET: incurving, distal half not straight, medium curvature.

Origin and Breeding: The variety 'Dekcavallini' originated from a cross pollination made on October 1, 2001 in Hensbroek, The Netherlands, between the female parent, proprietary seedling number 41237 and the male parent, proprietary seedling number 03.7864.02. The new Chrysanthemum variety was selected on May 5, 2005 as a single flowering plant within the progeny of the above stated cross. Selection criteria included strong flower head, very long vase life and good vigour. Asexual reproduction by cuttings was first conducted in May 2005 in Hensbroek, the Netherlands.

Tests and Trials: The detailed description of 'Dekcavallini' is based on the UPOV report of Technical Examination, application number 2010/0706, purchased from the Community Plant Variety Office in Angers, France. The trials were conducted by The National Institute of Agricultural Botany (NIAB) in Cambridge, United Kingdom, in 2010. Colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart, 5th edition.



Chrysanthemum: 'Dekcavallini'

Proposed denomination: 'Dekfrancofone'
Application number: 10-7004
Application date: 2010/06/21
Applicant: Dekker Breeding B.V., Hensbroek, Netherlands
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Cornelis W. Dekker, Dekker Breeding B.V., Hensbroek, Netherlands

Variety used for comparison: 'Felice Bronze'

Summary: *The inflorescence of 'Dekfrancofone' is medium to broad at the widest point while that of 'Felice Bronze' is narrow. The tip of the ray florets for 'Dekfrancofone' are mamillate while those of 'Felice Bronze' are pointed. 'Dekfrancofone' differs from 'Felice Bronze' in the yellow bronze colour on the inner side of the ray floret. The disc of 'Dekfrancofone' has a small to medium diameter relative to the diameter of the head while 'Felice Bronze' has a medium to large diameter.*

Description:

PLANT: 7 week response group, tall, non bushy, stem green tinged with purple or brown

LEAF: large stipule, moderately upwards attitude of petiole, short petiole relative to leaf length, medium length including petiole, narrow to medium width, medium length/width ratio, long terminal lobe relative to leaf length, predominantly cordate base, weak glossiness of upper side, medium green colour on upper side, many margin indentations, medium depth of margin indentations

LOWEST LATERAL SINUS: deep, overlapping

INFLORESCENCE: deeply domed form, medium to broad width at widest point, medium angle between primary lateral shoot and stem, upright to semi upright attitude of lateral flower heads, medium number of flower heads per stem

FLOWER BUD: brown purple (RHS 184A) outer side just before opening

FLOWER HEAD: semi-double, daisy type, medium diameter, medium height, medium length peduncle, few to medium number of ray florets

RAY FLORETS: moderately ascending attitude of basal part, ribbed upper surface, short corolla tube, weakly concave in cross section at widest point, weakly revolute rolling of margin, rolled margin at distal three quarters, short to medium length, medium width, small to medium length/width ratio, mamillate tip, one colour on inner side, yellow brown (slightly more red than RHS N172D), similar colour on outer side compared to inner side

LONGITUDINAL AXIS OF RAY FLORET: reflexing, distal three quarters not straight, very weak to weak curvature

DISC: medium diameter, small to medium diameter relative to head diameter, slightly conical in cross section, green colour group before anther dehiscence, yellowish green colour group at anther dehiscence

Origin and Breeding: ‘Dekfrancofone’ originated from a hybrid cross conducted in September 2005 in Hensbroek, The Netherlands, between the female parent proprietary seedling number 03.8088.62 and the male parent proprietary seedling number 03.8069.03. The new Chrysanthemum variety was bred and developed by the breeder, Cornelis W. Dekker as part of a planned breeding program. ‘Dekfrancofone’ was selected from the resultant progeny in March 2006 based on flower colour, flower number per stem, plant vigour and vase life. Asexual reproduction, by cuttings, of the variety was first conducted in April 2006 in Hensbroek, The Netherlands. The variety ‘Dekfrancofone’ was designated for commercialization in September 2008.

Tests and Trials: The detailed description of ‘Dekfrancofone’ is based on the UPOV report of Technical Examination, application number 2009/0482, purchased from the Community Plant Variety Office in Angers, France. The trials were conducted by The National Institute of Agricultural Botany (NIAB) in Cambridge, United Kingdom, in 2010. Colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart, 5th edition.

Comparison table for ‘Dekfrancofone’

	‘Dekfrancofone’	‘Felice Bronze’*
<i>Colour of ray floret (RHS)</i>		
inner side	slightly more red than N172D	N167D tinged with yellow

*reference variety



Chrysanthemum: 'Dekfrancofone'