



## APPLICATIONS UNDER EXAMINATION

## DIANTHUS

### DIANTHUS (*Dianthus*)

**Proposed denomination:** 'Paint the Town Fancy'  
**Application number:** 21-10569  
**Application date:** 2021/06/17  
**Applicant:** Walters Gardens, Inc., Zeeland, Michigan, United States of America  
**Agent in Canada:** Variety Rights Management, Oxford Station, Ontario  
**Breeder:** Hans A. Hansen, Zeeland, Michigan, United States of America

**Varieties used for comparison:** 'Kahori' and 'Paint the Town Red'

**Summary:** *The density of the plants for 'Paint the Town Fancy' are dense whereas they are of medium density for 'Kahori'. The leaf of 'Paint the Town Fancy' is shorter than the leaf of 'Paint the Town Red'. The leaf of 'Paint the Town Fancy' is grey green with strong glaucosity whereas the leaf of 'Kahori' is medium green with weak glaucosity. The calyx of 'Paint the Town Fancy' is of medium length whereas the calyx of 'Kahori' is long. The inner side of the petal of 'Paint the Town Fancy' is medium purple whereas the petal of 'Kahori' is medium purple to dark blue pink and the petal of 'Paint the Town Red' is between medium purple and medium purple red.*

#### **Description:**

PLANT: dense, flowers positioned far above foliage

STEM: second internode below flower is thin and circular shape in cross-section, not hollow

LEAF: linear shape, absent or very weakly recurved, weakly concave in cross-section, gray green upper side, strong degree of glaucosity on upper side, spiny ciliation of margin present

CALYX: medium length, medium width, cylindrical form, weak intensity of anthocyanin colouration distributed along margin of the lobe

CALYX LOBE: straight along longitudinal axis, short to medium length

FLOWER BUD: elliptic shape, no extrusion of styles

FLOWER: single type

COROLLA: flat convex profile of upper part in lateral view, flat profile of lower part in lateral view

PETAL (INNER SIDE): main colour medium purple (RHS N74A/B), secondary colour medium purple (RHS 71B), differently coloured margin absent, no tertiary colour, no stripes, no speckles, no area of flush, small macule

PETAL MARGIN INCISIONS: many, deep

OVARY: elliptic shape, smooth surface

STYLE: only two, medium length, no shoulder

STIGMA: white with purple flush

**Origin and Breeding:** 'Paint the Town Fancy' originated from a hybridization between the proprietary parents '12-43-1' and '12-47-4' conducted at a research greenhouse in Zeeland, Michigan, USA on October 12, 2014. The new variety 'Paint the Town Fancy' was selected in 2017 in Zeeland, Michigan, USA based on flower type, plant habit, and disease resistance. Asexual reproduction by shoot tip cuttings was initiated at the same location in 2017.

**Tests and Trials:** The comparative trial for 'Paint the Town Fancy' was conducted outdoors during the summer of 2023 at Variety Rights Management, in Oxford Station, Ontario. The trial included a total of 15 plants each of the candidate and reference varieties. All plants were grown as 1 plant per 16 cm pot and the pots were spaced 40 cm apart. The observations and measurements were taken from 10 plants, or 10 parts of plants, of each variety. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.

**Comparison table for 'Paint the Town Fancy'**

	'Paint the Town Fancy'	'Kahori'*	'Paint the Town Red'*
<i>Leaf length (mm)</i>			
mean	33.5	34.2	38.0
std. deviation	3.73	3.27	2.92
<i>Petal length (cm)</i>			
mean	2.7	2.5	2.6
std. deviation	0.19	0.21	0.14
<i>Main colour of petal (RHS)</i>			
inner side	N74A/B	N74B to N74C	Between 61B and N66A

\*reference varieties



Dianthus: 'Paint the Town Fancy' (left) with reference varieties 'Kahori' (centre) and 'Paint the Town Red' (right)

**Proposed denomination:** 'Paint the Town Red'  
**Application number:** 21-10570  
**Application date:** 2021/06/17  
**Applicant:** Walters Gardens, Inc., Zeeland, Michigan, United States of America  
**Agent in Canada:** Variety Rights Management, Oxford Station, Ontario  
**Breeder:** Hans A. Hansen, Zeeland, Michigan, United States of America

**Varieties used for comparison:** 'Kahori' and 'Paint the Town Fancy'

**Summary:** *The plants of 'Paint the Town Red' are taller than the plants of both reference varieties. The density of the plants for 'Paint the Town Red' are dense whereas they are of medium density for 'Kahori'. The leaf of 'Paint the Town Red' is longer than the leaf of both reference varieties. The leaf of 'Paint the Town Red' is grey green with strong glaucosity whereas the leaf of 'Kahori' is medium green with weak glaucosity. The calyx of 'Paint the Town Red' is of medium length whereas the calyx of 'Kahori' is long. The inner side of the petal of 'Paint the Town Red' is medium purple to medium purple red whereas the petal of 'Kahori' is medium purple to dark blue pink and the petal of 'Paint the Town Fancy' is medium purple.*

**Description:**

PLANT: dense, flowers positioned far above foliage

STEM: second internode below flower is thin and circular shape in cross-section, not hollow

LEAF: linear shape, absent or very weakly recurved, weakly concave in cross-section, gray green upper side, strong degree of glaucosity on upper side, spiny ciliation of margin present

CALYX: medium length, medium width, cylindrical form, weak intensity of anthocyanin colouration distributed along margin of the lobe

CALYX LOBE: straight along longitudinal axis, short to medium length

FLOWER BUD: elliptic shape, no extrusion of styles

FLOWER: single type

COROLLA: flat convex profile of upper part in lateral view, flat profile of lower part in lateral view

PETAL (INNER SIDE): main colour between medium purple to medium purple red (RHS 61B and N66A), differently coloured margin absent, no tertiary colour, no stripes, no speckles, no area of flush, no macule

PETAL MARGIN INCISIONS: many, deep

OVARY: elliptic shape, smooth surface

STYLE: only two, medium length, no shoulder

STIGMA: white with purple flush

**Origin and Breeding:** ‘Paint the Town Red’ originated from a hybridization between the parents ‘Neon Star’ and ‘Kahori’ conducted at a research greenhouse in Zeeland, Michigan, USA on June 14, 2012. The new variety ‘Paint the Town Red’ was selected in 2014 in Zeeland, Michigan, USA based on flower type, plant habit, and disease resistance. Asexual reproduction by shoot tip cuttings was initiated at the same location in 2014.

**Tests and Trials:** The comparative trial for ‘Paint the Town Red’ was conducted outdoors during the summer of 2023 at Variety Rights Management, in Oxford Station, Ontario. The trial included a total of 15 plants each of the candidate and reference varieties. All plants were grown as 1 plant per 16 cm pot and the pots were spaced 40 cm apart. The observations and measurements were taken from 10 plants, or 10 parts of plants, of each variety. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.

**Comparison table for ‘Paint the Town Red’**

	‘Paint the Town Red’	‘Kahori’*	‘Paint the Town Fancy’*
<i>Plant height (cm)</i>			
mean	13.6	11.8	12.5
std. deviation	1.44	1.35	1.50
<i>Leaf length (mm)</i>			
mean	38.0	34.2	33.5
std. deviation	2.92	3.27	3.73
<i>Main colour of petal (RHS)</i>			
inner side	Between 61B and N66A	N74B to N74C	N74A/B

\*reference varieties



Dianthus: 'Paint the Town Red' (left) with reference varieties 'Kahori' (centre) and 'Paint the Town Fancy' (right)

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