



CALENDULA
(*Calendula*)

Proposed denomination: 'Kercaldivimp'
Trade name: Lady Godiva Orange
Application number: 19-9751
Application date: 2019/04/10
Applicant: Timothy Edward Kerley, Cambridge, United Kingdom
Sarah Elisabeth Kerley, Cambridge, United Kingdom
David William Kerley, Cambridge, United Kingdom
Priscilla Grace Kerley, Cambridge, United Kingdom
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: David William Kerley, Cambridge, United Kingdom
Priscilla Grace Kerley, Cambridge, United Kingdom
Sarah Elisabeth Kerley, Cambridge, United Kingdom
Timothy Edward Kerley, Cambridge, United Kingdom

Varieties used for comparison: 'Power Daisy Orange' and 'Winter Wonders Peach Polar'

Summary: *The plants of 'Kercaldivimp' are taller than those of both 'Power Daisy Orange' and 'Winter Wonders Peach Polar' and wider than the plants of 'Power Daisy Orange'. The leaf blade of 'Kercaldivimp' is obovate shaped and larger than the leaf blade of both reference varieties, which are linear. The flower head of 'Kercaldivimp' is larger in diameter than that of both reference varieties. The ray floret of 'Kercaldivimp' is longer than the ray floret of both reference varieties. On newly opened flowers, the ray florets of 'Kercaldivimp' have dark colouration at the tip, while the ray florets of both reference varieties do not.*

Description:

PLANT: rounded growth habit, dense

STEM: no anthocyanin colouration

LEAF: dark green upper side, obovate shaped, narrow base

FLOWERING: begins early

FLOWER: double type, many ray florets

RAY FLORET: reflexed along longitudinal axis with age, one colour, orange (lighter than RHS N25C), darker colouration at tips on newly opened flowers

Origin and Breeding: 'Kercaldivimp' originated from a planned breeding program developed by the breeders, Timothy Edward Kerley, Sara Elisabeth Kerley, David William Kerley and Priscilla Grace Kerley in Cambridge, United Kingdom. The new variety resulted from a controlled cross pollination conducted in May 2015 in Cambridge, United Kingdom between the female parent, a proprietary seedling designated 13-22-19, and the male parent variety 'Kercalsun'. From the resulting progeny, seeds were collected and sown. A single seedling was selected in July 2016 in Cambridge, United Kingdom. The new variety 'Kercaldivimp' was selected based on mounding plant growth habit, branching characteristics, double flower type, flower colour, length of flowering period and reduced seed set. 'Kercaldivimp' was first propagated by vegetative tip cuttings in August 2016, in Cambridge, United Kingdom.

Tests and Trials: The comparative trial for 'Kercaldivimp' was conducted in a polyhouse during the spring of 2020 in St. Thomas, Ontario. The trial included a total of 20 plants each of the candidate and reference varieties. All plants were grown from rooted cuttings and transplanted into 12 cm pots on April 16, 2020. Observations and measurements were taken from 10 plants, or parts of plants, of each variety on June 8, 2020. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

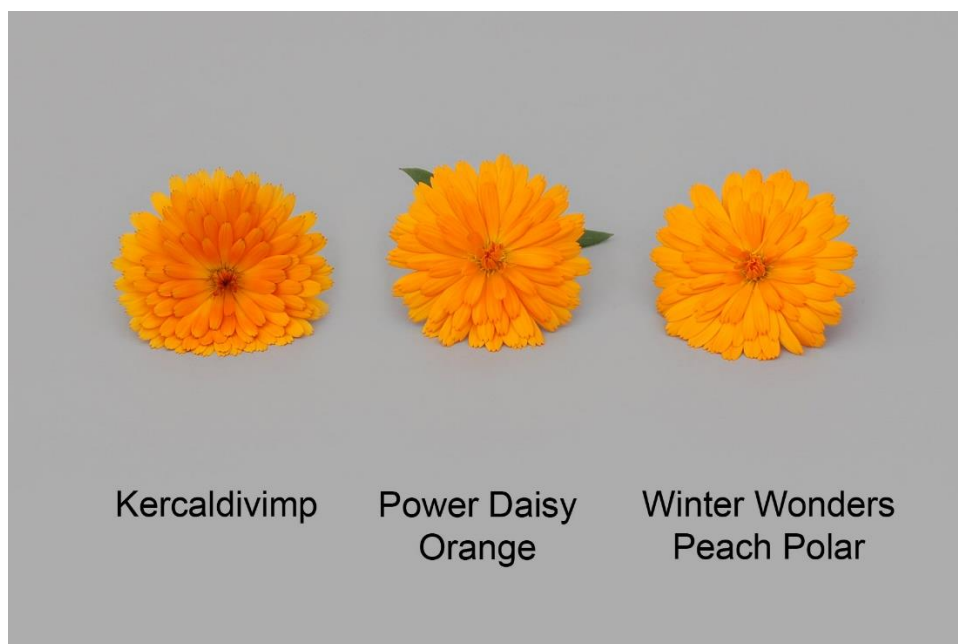
Comparison table for 'Kercaldivimp'

	'Kercaldivimp'	'Power Daisy Orange'*	'Winter Wonders Peach Polar**'
<i>Plant height (cm)</i>			
mean	19.3	15.7	16.3
std. deviation	2.15	1.23	1.39
<i>Plant width (cm)</i>			
mean	38.4	33.5	38.7
std. deviation	4.19	1.86	1.32
<i>Leaf blade length (cm)</i>			
mean	9.8	7.3	6.7
std. deviation	1.66	0.42	0.42
<i>Leaf blade width (cm)</i>			
mean	2.9	2.5	2.1
std. deviation	0.40	0.28	0.32
<i>Flower head diameter (cm)</i>			
mean	5.0	4.3	4.3
std. deviation	0.23	0.20	0.22
<i>Ray floret length (cm)</i>			
mean	2.6	2.3	2.3
std. deviation	0.15	0.12	0.06

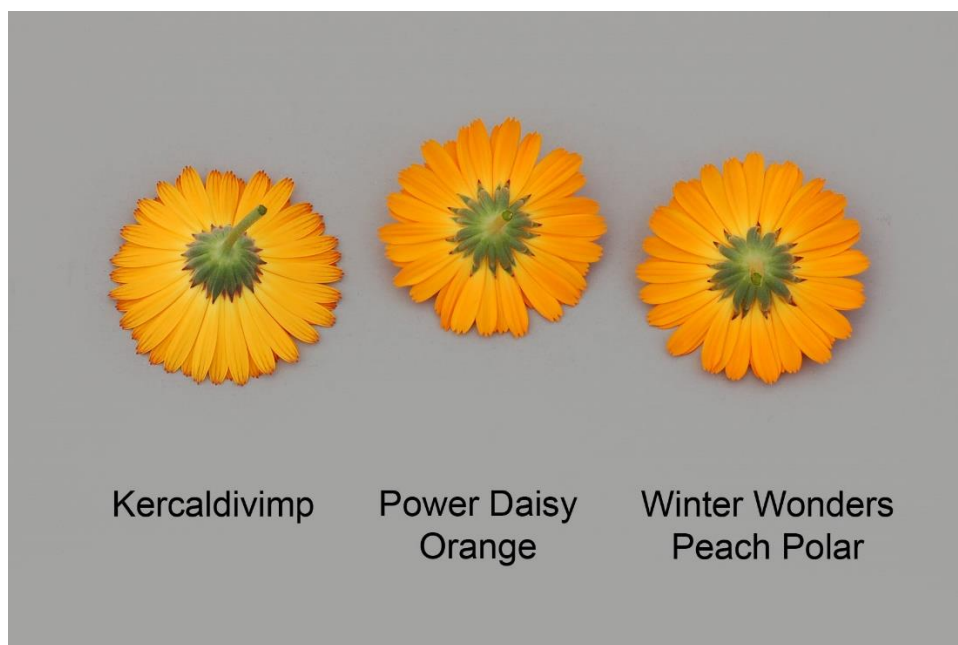
*reference varieties



Calendula: 'Kercaldivimp' (left) with reference varieties 'Power Daisy Orange' (centre) and 'Winter Wonders Peach Polar' (right)



Calendula: 'Kercaldivimp' (left) with reference varieties 'Power Daisy Orange' (centre) and 'Winter Wonders Peach Polar' (right)



Calendula: 'Kercaldivimp' (left) with reference varieties 'Power Daisy Orange' (centre) and 'Winter Wonders Peach Polar' (right)