



APPLICATIONS UNDER EXAMINATION

BEGONIA

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*(Begonia x tuberhybrida)*

**Proposed denomination:** 'KERBESPICUP'  
**Trade name:** Double Delight Primrose  
**Application number:** 20-10110  
**Application date:** 2020/03/04  
**Applicant:** David William Kerley, Cambridge, United Kingdom  
 Priscilla Grace Kerley, Cambridge, United Kingdom  
 Sarah Elisabeth Kerley, Cambridge, United Kingdom  
 Timothy Edward 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:** 'Illumination Yellow' and 'Fragrant Falls Lemon'

**Summary:** *The plants of 'KERBESPICUP' are narrower than those of 'Illumination Yellow' and wider than those of 'Fragrant Falls Lemon'. The plants of 'KERBESPICUP' are of medium density whereas those of 'Fragrant Falls Lemon' are dense. The stem of 'KERBESPICUP' has medium pubescence density whereas that of both reference varieties has dense pubescence. The apical part of the leaf blade of 'KERBESPICUP' is shorter than that of 'Illumination Yellow' and longer than that of 'Fragrant Falls Lemon'. The margin of the upper side of the leaf blade of 'KERBESPICUP' has anthocyanin colouration present whereas that of 'Illumination Yellow' has none. The peduncle of 'KERBESPICUP' has sparse pubescence whereas the peduncle of 'Fragrant Falls Lemon' has medium density pubescence. The flower of 'KERBESPICUP' has a smaller diameter than that of both reference varieties. The margin of the tepal of 'KERBESPICUP' has a medium degree of undulation whereas that of 'Illumination Yellow' has very weak undulation and that of 'Fragrant Falls Lemon' has weak undulation. The inner side of the inner tepal of 'KERBESPICUP' is light yellow fading to white towards the margin whereas that of 'Illumination Yellow' is medium yellow and that of 'Fragrant Falls Lemon' is light yellow orange.*

**Description:**

PLANT: medium density, medium number of basal shoots

STEM: medium thickness, green, non pendulous attitude, medium pubescence density

LEAF BLADE: no overlapping of lobes at base, acute apex, biserrate margin incisions, medium depth margin incisions

LEAF BLADE (UPPER SIDE): no variegation, medium green, no glossiness, anthocyanin colouration at margin present

LEAF BLADE (LOWER SIDE): no variegation, light green, sparse pubescence

PETIOLE: green, sparse to medium pubescence density

PEDUNCLE: green, sparse pubescence

INFLORESCENCE: positioned partly below foliage

BRACT: rounded apex, green and red apex

FLOWER: double, type 3 arrangement of tepals to type 4 arrangement towards centre

TEPALS: rounded apex, margin incisions present, medium intensity of margin undulation

INNER TEPAL (INNER SIDE): one colour, mainly light yellow (RHS 9D) fading to white (RHS 155D) towards the margin, dark yellow (RHS 13A) to light yellow (RHS 12C) striping from base

OUTER TEPAL (OUTER SIDE): light yellow (RHS 159D)

**Origin and Breeding:** 'KERBESPICUP' originated as a branch mutation discovered by the breeders in June of 2016 in Cambridge, United Kingdom. The branch mutation was discovered on the parent variety 'Kerbespici' and selected based on

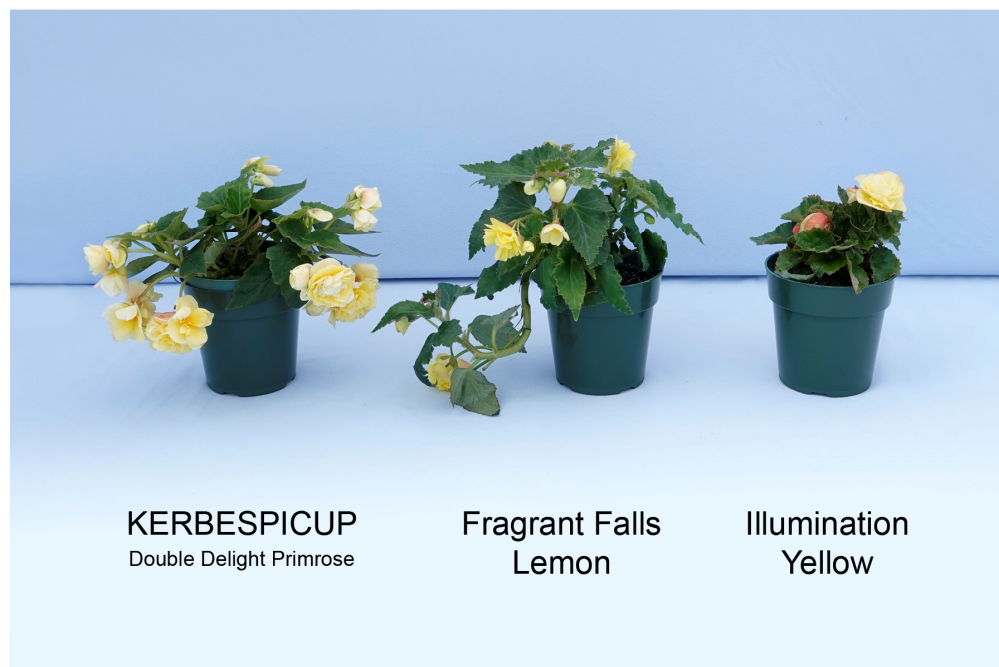
its growth habit, flower colour and flower fragrance. ‘KERBESPICUP’ was first propagated by vegetative tip cuttings in June of 2016 in Cambridge, United Kingdom.

**Tests and Trials:** The comparative trial for ‘KERBESPICUP’ was conducted in a polyhouse during the spring of 2022 at Bioflora Inc., 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 15 cm pots on April 7, 2022. Observations and measurements were taken from 10 plants, or parts of 10 plants, of each variety on July 1, 2022. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart. Mean differences were significant at the 5% confidence probability level based on a paired Student’s t-test.

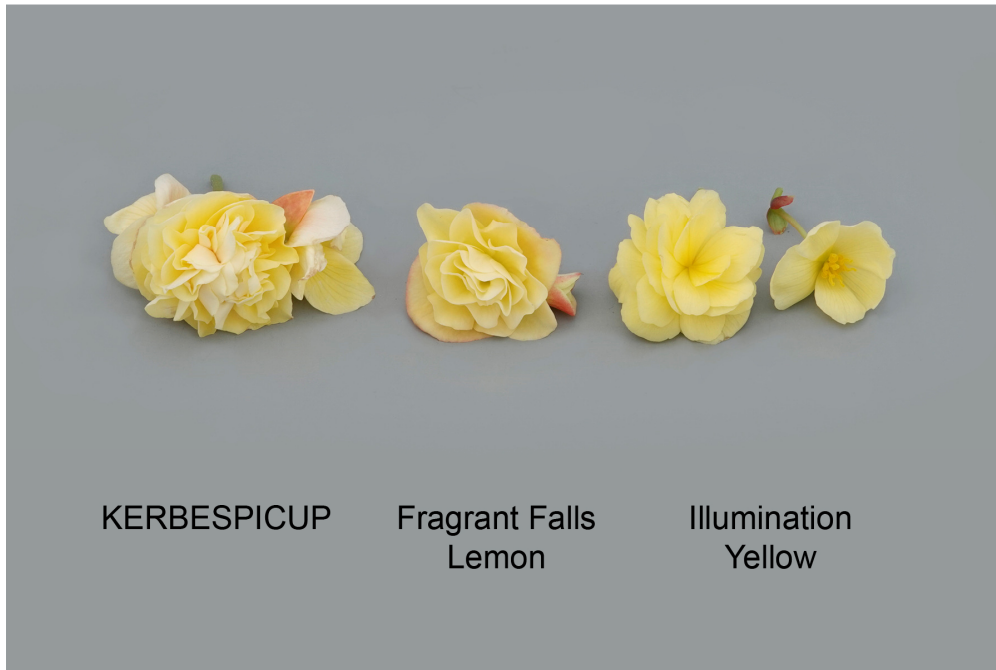
**Comparison table for ‘KERBESPICUP’**

	‘KERBESPICUP’	‘Illumination Yellow’*	‘Fragrant Falls Lemon’*
<i>Plant width(cm)</i>			
mean	32.8	37.2	23.9
std. deviation	2.68	4.71	1.11
<i>Length of apical part of leaf blade (cm)</i>			
mean	8.3	9.8	5.0
std. deviation	0.37	0.84	0.53
<i>Flower diameter (cm)</i>			
mean	6.5	8.0	7.6
std. deviation	0.66	0.40	0.43
<i>Colour of inner tepal (RHS)</i>			
inner side	9D fading to 155D towards margin	7D	11D

\*reference varieties



Begonia: ‘KERBESPICUP’ (left) with reference varieties ‘Fragrant Falls Lemon’ (center) and ‘Illumination Yellow’ (right)



Begonia: 'KERBESPICUP' (left) with reference varieties 'Fragrant Falls Lemon' (center) and 'Illumination Yellow' (right)