



## APPLICATIONS UNDER EXAMINATION

## BIDENS

### BIDENS (*Bidens*)

**Proposed denomination:** 'INBIDCAMEM'  
**Trade name:** Campfire Flame  
**Application number:** 19-9758  
**Application date:** 2019/04/15  
**Applicant:** InnovaPlant Zierpflanzen GmbH & Co. KG, Gensingen, Germany  
**Agent in Canada:** BioFlora Inc., St. Thomas, Ontario  
**Breeder:** Birgit Hofmann, InnovaPlant Zierpflanzen GmbH & Co. KG, Germany

**Variety used for comparison:** 'Baleehedi' (Bee Happy Red Imp)

**Summary:** *The plants of 'INBIDCAMEM' are smaller than those of 'Baleehedi'. The stem internode of 'INBIDCAMEM' is shorter than that of 'Baleehedi'. The petiole and leaf blade of 'INBIDCAMEM' are shorter than those of 'Baleehedi'. The flower diameter of 'INBIDCAMEM' is smaller than that of 'Baleehedi'. When newly opened, the inner side of the ray floret of 'INBIDCAMEM' has no secondary colour while that of 'Baleehedi' has yellow orange at the base.*

#### Description:

PLANT: vegetatively propagated, annual, bushy-rounded growth habit, high degree of branching

STEM: light green and red brown, medium to strong intensity of anthocyanin colouration, dense pubescence

LEAF: opposite leaf arrangement, tripartite type, 3 leaflets per leaf, petiole present

LEAF BLADE: rhomboidal shape, acute and mucronate apex, cuneate to attenuate base, serrated and incised margin, no variegation

LEAF BLADE (UPPER SIDE): light to medium green, sparse pubescence, absent or very weak glaucosity

LEAF BLADE (LOWER SIDE): light green, sparse to medium pubescence

PEDUNCLE: no anthocyanin colouration, dense pubescence

SEPAL: linear shape

FLOWERING PERIOD: almost continuous, long, mid-season

INFLORESCENCE: head type

FLOWER: flowers at terminal and axillary positions, erect attitude

RAY FLORETS: overlapping arrangement, few, 8 to 9 per flower, elliptic and oval shape, notched/dentate apex, weak recurvature of tip, entire margin, weak undulation of margin

RAY FLORET (INNER SIDE): no pubescence, when newly opened dark purple red (RHS N34A), when fully opened brown red (RHS 179A) and red (RHS 42A) with yellow orange (RHS 14A) at base

RAY FLORET (OUTER SIDE): absent or very sparse pubescence, when newly opened red (RHS 42B) with yellow (RHS 12A) at base, when fully opened brown red (RHS 180C, 179B) with yellow (RHS 9A) at base

DISC FLORET: present

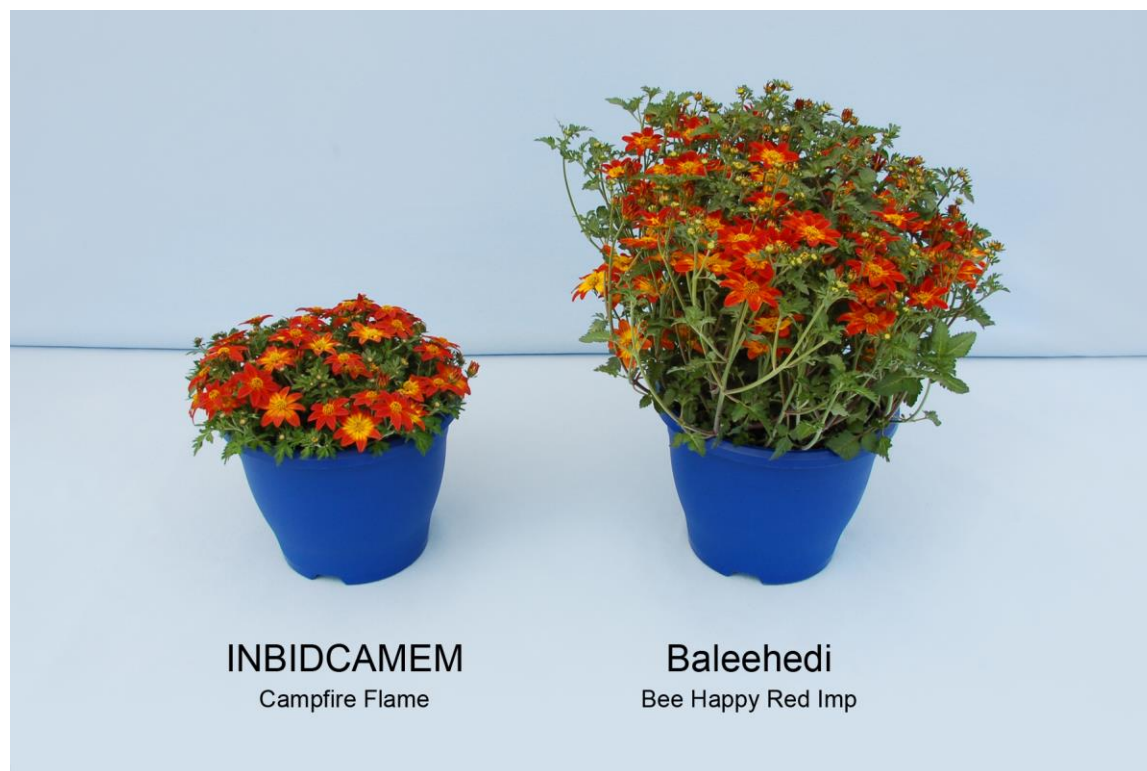
**Origin and Breeding:** 'INBIDCAMEM' originated from a controlled cross conducted by the breeder, Birgit Hofmann, an employee of InnovaPlant Zierpflanzen GmbH & Co. KG, Gensingen, Germany. The cross was made between two proprietary seedlings, the female parent designated 'B13-4035-1' and the male parent designated 'B13-4018-1' in July 2014 in Heidesheim, Germany. From the resulting progeny, 'INBIDCAMEM' was selected in March 2017 as a single plant for its plant growth habit and flower colour. 'INBIDCAMEM' was first propagated by vegetative cuttings in May 2017 in Gensingen, Germany.

**Tests and Trials:** The comparative trial for 'INBIDCAMEM' was conducted in a polyhouse during the summer of 2020 at BioFlora Inc. in St. Thomas, Ontario. The trial included 20 plants each of the candidate and reference variety. Plants were grown from rooted cuttings and transplanted into 15cm pots on April 17, 2020. Observations and measurements were taken from 10 plants, or 10 parts of plants, of each variety on June 4, 2020. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

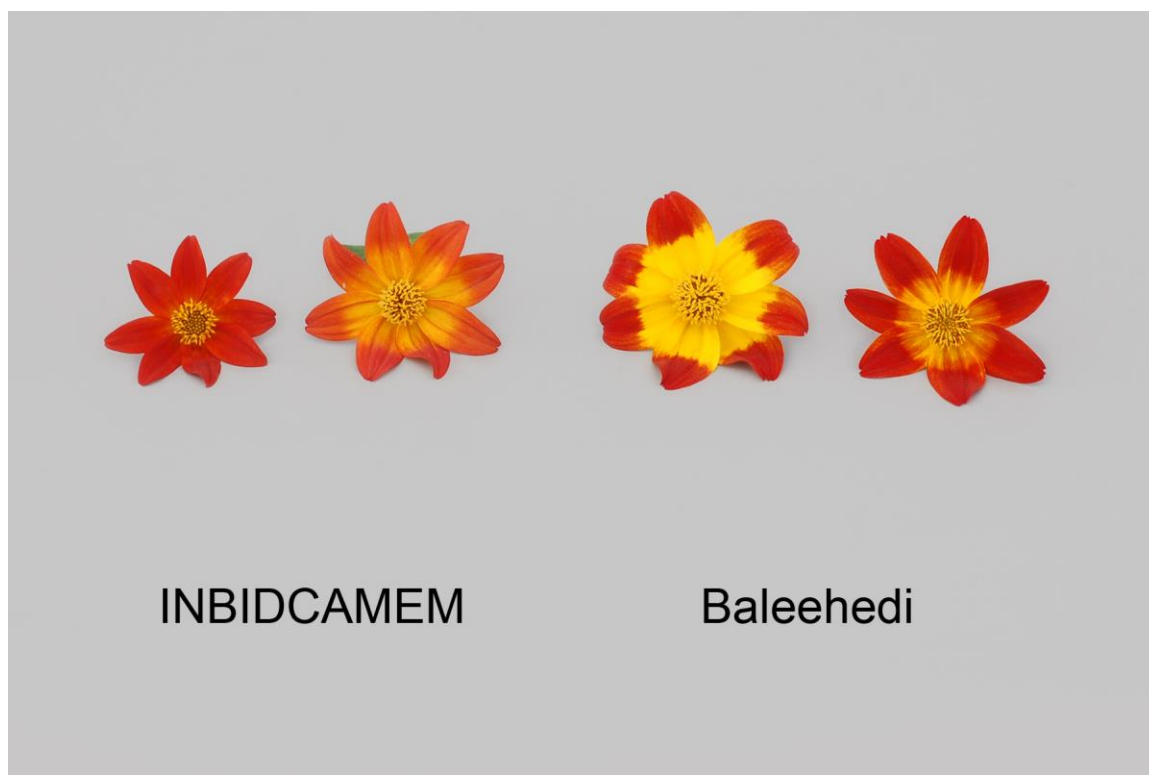
**Comparison table for 'INBIDCAMEM'**

	'INBIDCAMEM'	'Baleehedi'*
<i>Plant height (cm)</i>		
mean	11.2	31.3
std. deviation	0.91	2.30
<i>Plant width (cm)</i>		
mean	25.0	42.5
std. deviation	1.31	3.26
<i>Stem internode length (cm)</i>		
mean	3.0	6.5
std. deviation	0.32	1.23
<i>Petiole length (cm)</i>		
mean	0.76	1.62
std. deviation	0.16	0.27
<i>Leaf blade length (cm)</i>		
mean	2.9	5.4
std. deviation	0.26	0.69
<i>Flower diameter (cm)</i>		
mean	3.8	4.5
std. deviation	0.27	0.13
<i>Secondary colour of ray floret (RHS)</i>		
inner side	N/A	14A at base

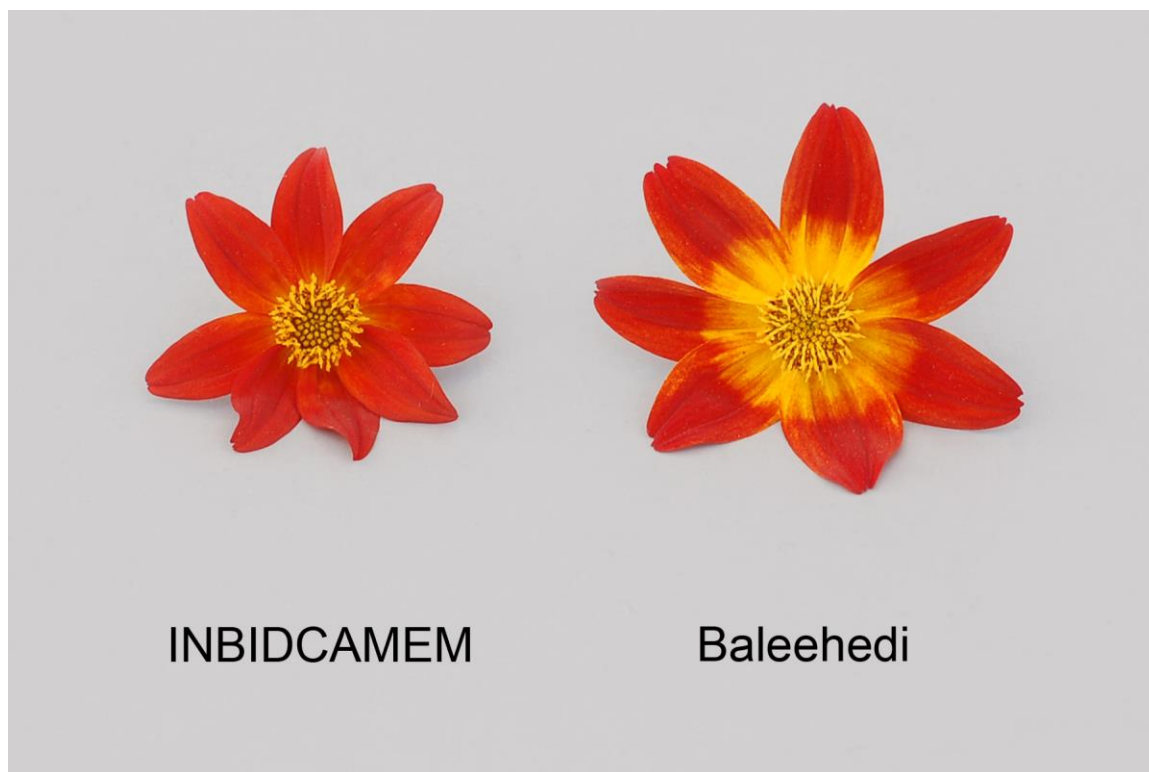
\*reference variety



Bidens: 'INBIDCAMEM' (left) with reference variety 'Baleehedi' (right)



Bidens: 'INBIDCAMEM' (left) with reference variety 'Baleehedi' (right)



Bidens: 'INBIDCAMEM' (left) with reference variety 'Baleehedi' (right)

**BIDENS**  
*(Bidens ferulifolia)*

**Proposed denomination:** 'BID16101'  
**Trade name:** Goldilocks Rocks Imp  
**Application number:** 19-9897  
**Application date:** 2019/05/17  
**Applicant:** Thomas Psenner, Bolzano, Italy  
**Agent in Canada:** BioFlora Inc., St. Thomas, Ontario  
**Breeder:** Thomas Psenner, Bolzano, Italy

**Variety used for comparison:** 'SUNBIDESUPA' (Marietta Gold Spark)

**Summary:** *The plants of 'BID16101' are taller than those of 'SUNBIDESUPA'. The peduncle and ray floret of 'BID16101' are longer than those of 'SUNBIDESUPA'. The flower and disc floret diameter of 'BID16101' are larger than those of 'SUNBIDESUPA'.*

**Description:**

**PLANT:** seed propagated, annual, bushy-rounded to horizontal growth habit, medium degree of branching  
**STEM:** light green, mostly no anthocyanin colouration, weak to medium intensity of anthocyanin colouration towards peduncle only, medium to dense pubescence

**LEAF:** opposite leaf arrangement, pinnatisect and tripartite type, 3 to 5 leaflets per leaf, petiole present

**LEAF BLADE:** rhomboidal shape, acute and mucronate apex, attenuate base, leaflets dissected often trifid along margin, no variegation

**LEAF BLADE (UPPER SIDE):** light to medium green, sparse pubescence

**LEAF BLADE (LOWER SIDE):** light green, very sparse pubescence

**PEDUNCLE:** medium intensity of anthocyanin colouration near calyx base, dense pubescence

**SEPAL:** elliptic and falcate shape

**FLOWERING PERIOD:** almost continuous, long

**INFLORESCENCE:** head type

**FLOWER:** flowers at terminal and axillary positions, erect attitude

**RAY FLORETS:** overlapping arrangement, few to medium in number, 8 to 9 per flower, elliptic and oval shape, notched/dentate apex with mamillate protuberance, medium recurvature of tip, entire margin, weak undulation of margin

**RAY FLORET (INNER SIDE):** no pubescence, yellow (darker and brighter than RHS 9A)

**RAY FLORET (OUTER SIDE):** sparse pubescence, yellow (closest to RHS 12A)

**DISC FLORET:** present

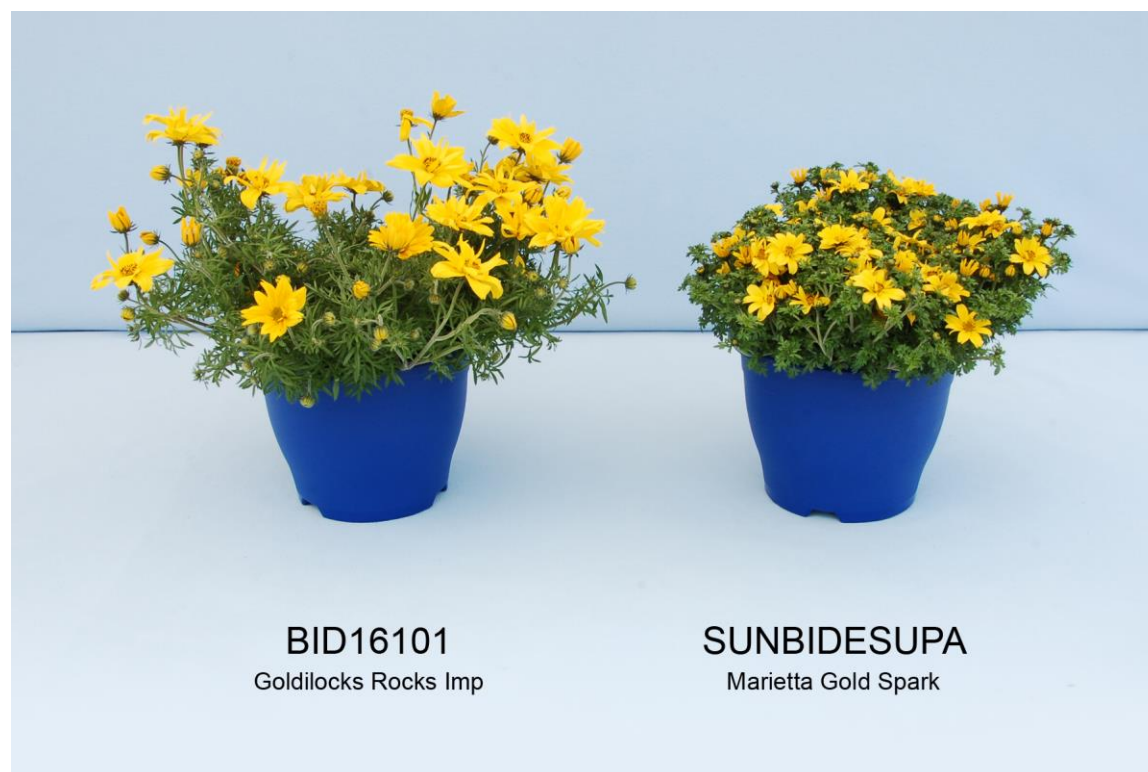
**Origin and Breeding:** 'BID16101' originated from a controlled cross conducted by the breeder, Thomas Psenner, of Bozen, Italy. The cross was made between the female parent variety 'BID719' and male parent variety 'BID15054' in June 2015 in Bozen, Italy. From the resulting progeny, 'BID16101' was selected in May 2016 as a single seedling for its hanging plant growth habit, flower size, flower colour and poor seed set. 'BID16101' was first propagated by vegetative tip cuttings in September 2016 in Bozen, Italy.

**Tests and Trials:** The comparative trial for 'BID16101' was conducted in a polyhouse during the summer of 2020 at BioFlora Inc. in St. Thomas, Ontario. The trial included 20 plants each of the candidate and reference variety. Plants were grown from rooted cuttings and transplanted into 15cm pots on April 17, 2020. Observations and measurements were taken from 10 plants, or 10 parts of plants, of each variety on June 4, 2020. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

**Comparison table for 'BID16101'**

	<b>'BID16101'</b>	<b>'SUNBIDESUPA'*</b>
<i>Plant height (cm)</i>		
mean	18.5	11.6
std. deviation	2.01	2.03
<i>Peduncle length (cm)</i>		
mean	11.0	3.1
std. deviation	0.79	0.59
<i>Flower diameter (cm)</i>		
mean	6.6	4.3
std. deviation	0.33	0.33
<i>Ray floret length (cm)</i>		
mean	3.4	2.0
std. deviation	0.19	0.14
<i>Disc floret diameter (cm)</i>		
mean	1.3	0.9
std. deviation	0.14	0.14

\*reference variety



Bidens: 'BID16101' (left) with reference variety 'SUNBIDESUPA' (right)



Bidens: 'BID16101' (left) with reference variety 'SUNBIDESUPA' (right)



Bidens: 'BID16101' (left) with reference variety 'SUNBIDESUPA' (right)