



## APPLICATIONS UNDER EXAMINATION

## BUTTERFLY BUSH

### BUTTERFLY BUSH (*Buddleja davidii*)

**Proposed denomination:** 'SMNBDL'  
**Trade name:** Pugster Amethyst  
**Application number:** 18-9442  
**Application date:** 2018/05/01  
**Applicant:** Spring Meadow Nursery, Inc., Grand Haven, Michigan, United States of America  
**Agent in Canada:** BioFlora Inc., St. Thomas, Ontario  
**Breeder:** Timothy D. Wood, Spring Lake, Michigan, United States of America

**Varieties used for comparison:** 'UCONNBD599' (Soda Pop Lavender) and 'SMNBDO' (Pugster Periwinkle)

**Summary:** *The plants of 'SMNBDL' are taller than those of both reference varieties. The leaf blade of 'SMNBDL' is larger than that of both reference varieties. The inflorescence of 'SMNBDL' are wider than those of both reference varieties. The flower buds of 'SMNBDL' are medium blue violet whereas those of 'UCONNBD599' are medium violet and those of 'SMNBDO' are medium violet to light violet. When fully opened, the inner side of the corolla lobe of 'SMNBDL' is a slightly different violet colour than the lobes of both reference varieties.*

#### Description:

PLANT: upright to semi-upright growth habit, broader than tall

SHOOT: green

STEM: strongly angular in cross-section, very dense pubescence

LEAF BLADE: lanceolate, no variegation, light green to medium green on upper side, crenate to serrate margin, sparse pubescence on upper side, pubescence present on lower side, bulging between veins ranging from medium to strong

TIME OF FLOWERING: begins mid-season

FLOWER BUD: medium blue violet (RHS N82B)

INFLORESCENCE: conical shape, dense

CALYX: short, sparse to medium density of pubescence

COROLLA LOBE: semi-erect attitude at full flowering, free arrangement, medium depth margin incision, inner side medium violet (RHS N81C) when newly opened, inner side medium blue violet (RHS N82C fading to 85C) when fully opened

COROLLA EYE: orange

COROLLA TUBE: light blue pink (RHS 55C)

**Origin and Breeding:** 'SMNBDL' originated from a controlled hybrid cross conducted by the breeder, Mr. Timothy D. Wood, in Grand Haven, Michigan, USA. The cross was made between the female parent, designated 'UC 701', and the male parent variety 'Pink Delight' in 2012. The new variety was selected as a single plant from the resulting progeny in 2014, based on its growth habit, stem thickness, stem internode length, leaf appearance, leaf texture, panicle size, panicle density and flower colour. Asexual reproduction of 'SMNBDL' was first conducted by softwood cuttings in 2014, in Grand Haven, Michigan, USA.

**Tests and Trials:** The comparative trial for 'SMNBDL' was conducted in a polyhouse during the spring and summer of 2020 at Bioflora Inc., in St. Thomas, Ontario. The trial included a total of 10 plants each of the candidate variety and reference varieties. All plants were grown from 5.7 cm rooted liners and transplanted into 11.3 litre containers on April 6, 2019. Observations and measurements were taken from 10 plants of each variety on June 26, 2020. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'SMNBDL'

	'SMNBDL'	'UCONNBD599'*	'SMNBDO'*
<i>Plant height (cm)</i>			
mean	50.8	35.6	45.3
std. deviation	3.78	2.47	5.63
<i>Leaf blade length (cm)</i>			
mean	24.5	12.2	14.9
std. deviation	1.59	1.89	1.01
<i>Leaf blade width (cm)</i>			
mean	7.7	3.7	4.9
std. deviation	0.57	0.61	0.47
<i>Inflorescence width (cm)</i>			
mean	9.5	6.1	7.6
std. deviation	0.64	1.12	0.69
<i>Colour of flower bud (RHS)</i>			
main	N82B	N80B	N80B-C
<i>Colour of fully opened corolla lobe (RHS)</i>			
inner side	N82C fading to 85A	pinkier than 85C	N81C

\*reference varieties



Butterfly Bush: 'SMNBDL' (left) with reference varieties 'UCONNBD599' (centre) and 'SMNBDO' (right)



Butterfly Bush: 'SMNBDL' (left) with reference varieties 'UCONNBD599' (centre) and 'SMNBDO' (right)



Butterfly Bush: 'SMNBDL' (left) with reference varieties 'UCONNBD599' (centre) and 'SMNBDO' (right)