



**GLOBE AMARANTH**  
*(Gomphrena haageana)*

**Proposed denomination:** 'Balgovarpur'  
**Trade name:** Pinata  
**Application number:** 21-10435  
**Application date:** 2021/02/12  
**Applicant:** Ball Horticultural Company, West Chicago, Illinois, United States of America  
**Agent in Canada:** BioFlora Inc., St. Thomas, Ontario  
**Breeder:** Lynne Knosher, Ball Horticultural, Elburn, Illinois, United States of America  
Alan D. Blowers, Ball Horticultural Company, Elburn, Illinois, United States of America

**Variety used for comparison:** 'PAST0517E' (Truffula Pink)

**Summary:** *The plants of 'Balgovarpur' have a bushy-rounded to irregular growth habit while those of 'PAST0517E' have an upright bushy growth habit. The leaf blade of 'Balgovarpur' is longer than that of 'PAST0517E'. The upper side of the leaf blade of 'Balgovarpur' is medium green with variegation present while that of 'PAST0517E' is dark green with no variegation. The peduncle of 'Balgovarpur' is shorter than that of 'PAST0517E'. The inflorescence of 'Balgovarpur' is longer and narrower than that of 'PAST0517E'. The bract of 'Balgovarpur' is longer than that of 'PAST0517E'. The bracteole of 'Balgovarpur' is ovate to lanceolate shaped while that of 'PAST0517E' is tubular shaped. The outer side of the bracteole of 'Balgovarpur' is medium purple along the wing with white below whereas that of 'PAST0517E' is dark blue pink.*

**Description:**

**PLANT:** bushy-rounded to irregular growth habit, medium to high degree of branching

**STEM:** light to medium green, weak to medium intensity of anthocyanin colouration, medium degree of glaucosity, strong degree of glaucosity at base, medium to dense pubescence

**LEAF:** opposite arrangement, simple type

**LEAF BLADE:** oblanceolate shape, mucronate apex, sessile (clasping) base, entire margin, medium to dense pubescence on upper and lower side, mainly medium green with light yellow green variegation along midrib on upper side, light green on lower side, no petiole

**FLOWERING:** almost continuous

**PEDUNCLE:** very weak to medium intensity of anthocyanin colouration, very dense pubescence

**INFLORESCENCE:** rounded clover type, dense flowers

**BRACT:** lanceolate shape, aristulate apex, very weak to weak recurvature of tip, entire margin

**BRACTEOLE:** many, ovate to lanceolate shape, cleft apex, weak recurvature of tip

**BRACTEOLE (OUTER SIDE):** medium purple (RHS NN78A-B) along wing with white (RHS NN155C) below

**Origin and Breeding:** 'Balgovarpur' originated as a chemical induced sport of 'QIS Carmine'. The mutagenic treatment occurred in September 2014. 'Balgovarpur' was discovered as a whole plant in March 2015 and selected for its variegated foliage in a controlled environment in Elburn, Illinois, U.S.A. 'Balgovarpur' was initially asexually propagated through vegetative cuttings in March 2015.

**Tests and Trials:** The comparative trial for 'Balgovarpur' was conducted in a polyhouse during the spring and summer of 2021 at Bioflora Inc., in St. Thomas, Ontario. The trial included a total of 20 plants each of the candidate and reference variety. All plants were grown from rooted cuttings and transplanted into 15 cm round pots on May 27, 2021. The observations and measurements were taken from 10 plants, or 10 parts of plants, of each variety on July 5, 2021. All colour determinations were made using the 2015 Royal Horticultural Society (RHS) Colour Chart.

## Comparison table for 'Balgovarpur'

	'Balgovarpur'	'PAST0517E**
<i>Leaf blade length (cm)</i>		
mean	14.0	6.8
std. deviation	0.79	0.61
<i>Peduncle length (cm)</i>		
mean	10.1	18.3
std. deviation	4.84	2.03
<i>Inflorescence length (cm)</i>		
mean	1.8	1.2
std. deviation	0.14	0.11
<i>Inflorescence width (cm)</i>		
mean	2.1	2.6
std. deviation	0.19	0.17
<i>Bract length (cm)</i>		
mean	5.4	1.2
std. deviation	0.60	0.12
<i>Colour of bracteole (RHS)</i>		
outer side	NN78A-B along wing with NN155C below	N74C

\*reference variety



Globe Amaranth: 'Balgovarpur' (left) with reference variety 'PAST0517E' (right)



Balgovarpur

PAST0517E

Globe Amaranth: 'Balgovarpur' (left) with reference variety 'PAST0517E' (right)

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