



APPLICATIONS UNDER EXAMINATION

CHRYSOCEPHALUM

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(Chrysocephalum apiculatum)

Proposed denomination: 'Bonchryki'
Trade name: Silver Leaf Yellow
Application number: 09-6483
Application date: 2009/01/26
Applicant: Bonza Botanicals Pty., Ltd., Yellow Rock, New South Wales, Australia
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Andrew Berneutz, Sydney, New South Wales, Australia

Variety used for comparison: 'Flochryel' (Flambe Yellow)

Summary: *The stems of 'Bonchryki' are thin while the stems of 'Flochryel' are medium in thickness. The stem pubescence is dense for 'Bonchryki' while it is very dense for 'Flochryel'. The leaves of 'Bonchryki' are light green while the leaves of 'Flochryel' are grey green. The pubescence on the upper side of the leaf is dense for 'Bonchryki' while it is very dense for 'Flochryel'. The disc is yellow-orange before and after dehiscence for 'Bonchryki' while it is yellow before dehiscence and yellow orange after dehiscence for 'Flochryel'.*

Description:

PLANT: semi-upright, medium to dense foliage, dense branching

STEM: thin, dense pubescence

LEAF: oblanceolate shape, cuspidate apex, attenuate base, light green, dense pubescence on upper side, tomentose pubescence on lower side, no anthocyanin colouration on upper and lower side

FLOWER: compound corymb-type inflorescence type, terminal clusters, yellow orange (RHS 17C) disc before dehiscence, yellow orange (RHS 23A) disc after dehiscence.

Origin and Breeding: The variety 'Bonchryki' originated from a controlled pollination made at Yellow Rock, New South Wales, Australia in 2006. The female parent was a proprietary line designated 00-58, which was crossed with pollen from several proprietary male lines. Seeds from the cross were germinated and grown to maturity. One plant was selected by the breeder on March 2, 2007 and propagated by cuttings. A pot trial was carried out from March 2007 to September 2008 where the variety was determined to be distinct, uniform and stable in its characteristics.

Tests and Trials: Trials for 'Bonchryki' were conducted in a polyhouse during the summer of 2010 in St. Thomas, Ontario. The trial included a total of fifteen plants of the candidate and reference varieties. All plants were grown from rooted cuttings and transplanted into 11 cm pots on May 5, 2010. Observations and measurements were taken from ten plants or parts of plants on June 15, 2010. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Bonchryki'

	'Bonchryki'	'Flochryel'*
Colour of disc (RHS)		
before dehiscence	17C	9A
after dehiscence	23A	17B

*reference variety



Bonchryki

Silver Leaf Helichrysum Yellow

Flochryel

Flambe Yellow

Chrysocephalum: 'Bonchryki' (left) with reference variety 'Flochryel' (right)



Bonchryki

Flochryel

Chrysocephalum: 'Bonchryki' (left) with reference variety 'Flochryel' (right)