



APPLICATIONS UNDER EXAMINATION

ORIENTAL POPPY

ORIENTAL POPPY
(Papaver orientale)

Proposed denomination: 'Firefly'
Application number: 05-4795
Application date: 2005/04/26
Applicant: Herbert Oudshoorn, Rijpwetering, The Netherlands
Agent in Canada: Variety Rights Management, Oxford Station, Ontario
Breeder: Herbert Oudshoorn, Rijpwetering, The Netherlands

Varieties used for comparison: 'Princess of Orange', 'Allegro' and 'Mandarin'

Summary: 'Firefly' has shorter plants than all reference varieties. The plants of 'Firefly' are wider than 'Allegro' but narrower than 'Mandarin'. 'Firefly' has longer peduncles than 'Allegro' but they are shorter than the peduncles of 'Princess of Orange' and 'Mandarin'. The petals of 'Firefly' have a broad reniform shape, while the petals of 'Princess of Orange' are obovate. All varieties have reddish petals, however, 'Firefly' petals are redder and the reference varieties are more orange red. The petal blotch of 'Firefly' is a band type, whereas 'Princess of Orange' and 'Allegro' have an entire blotch that extends to the base of the petal. The blotch of 'Mandarin' is smaller than that of 'Firefly'. 'Firefly' has blackish filaments and anthers, while 'Mandarin' and 'Allegro' have violet filaments and anthers.

Description:

PLANT: perennial, upright-bushy growth habit
 STEM: no anthocyanin, no glaucosity, dense pubescence

LEAF: simple, alternate and rosette arrangement

LEAF BLADE: oblanceolate shape, acute apex, lobed margin, dense pubescence on upper side, medium to dark green, no variegation, no petiole

PEDUNCLE: no anthocyanin

FLOWERING PERIOD: one per season, early, short

FLOWER: simple, terminal, erect

PETAL: overlapping to very overlapping, few in number, broad reniform shape, red upper and lower sides, band type black blotch, no incisions on margin

STAMENS: blackish filament, blackish anther

Origin and Breeding: 'Firefly' was discovered and selected in the nursery of the breeder, Mr. H.G. Oudshoorn in Rijpwetering, the Netherlands, in 2001. The objective of the breeding program was to create new *Papaver orientale* cultivars with improved form as well as improved floral traits.

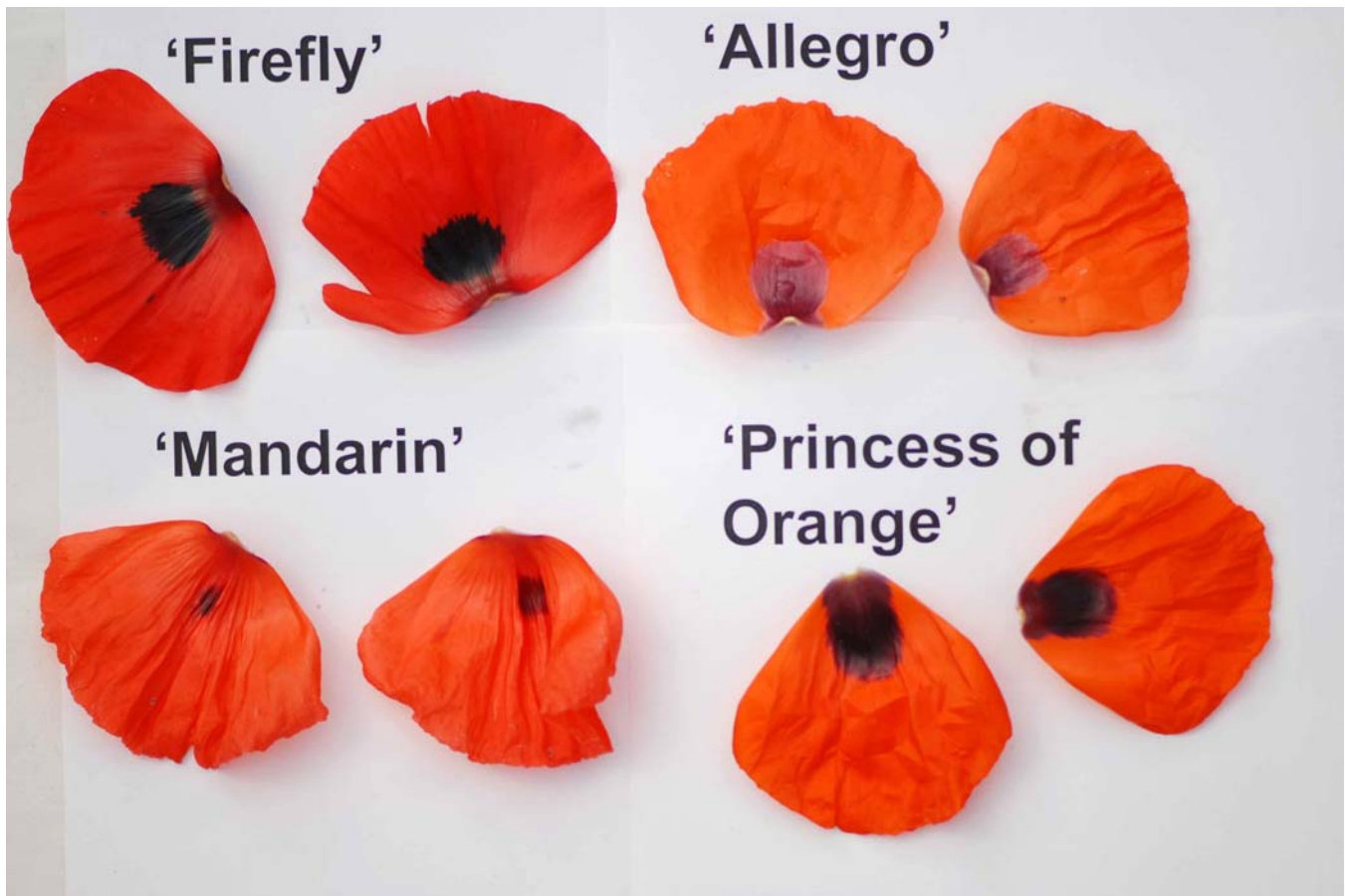
Tests and Trials: Trials for 'Firefly' were conducted during the summer of 2008 at Oxford Station, Ontario. The trials consisted of 10 plants of each variety, grown in field plots. The plants were spaced approximately 45 cm within the row and 1 metre between the rows. Observations and measurements were taken from 10 plants of each variety. All colour measurements were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Firefly'

	'Firefly'	'Princess of Orange'*	'Allegro'*	'Mandarin'*
<i>Plant height (cm)</i>				
mean	42.56	69.13	45.88	52.70
std. deviation	6.93	6.96	4.91	8.83
<i>Plant width (cm)</i>				
mean	43.89	43.25	35.10	51.11
std. deviation	8.78	6.07	4.21	6.55

<i>Peduncle length (cm)</i>				
mean	39.60	51.40	36.40	49.80
std. deviation	2.07	7.92	7.54	4.32
<i>Colour of petal (RHS)</i>				
upper side	34A	32A	30A	32A-33B
lower side	34A	32A	30A	32A-33B
blotch	N186A	N186A	N186C-D	187A

*reference varieties



Oriental Poppy: 'Firefly' (top left) with reference varieties 'Mandarin' (bottom left), 'Allegro' (top right) and 'Princess of Orange' (bottom right)

Proposed denomination: 'Mandarin'
Application number: 05-4797
Application date: 2005/04/26
Applicant: Herbert Oudshoorn, Rijpwetering, The Netherlands
Agent in Canada: Variety Rights Management, Oxford Station, Ontario
Breeder: Herbert Oudshoorn, Rijpwetering, The Netherlands

Varieties used for comparison: 'Princess of Orange', 'Allegro' and 'Firefly'

Summary: 'Mandarin' has taller plants than 'Firefly' and 'Allegro' but shorter than 'Princess of Orange'. The plants of 'Mandarin' are wider than all the reference varieties. 'Mandarin' has a longer peduncle than either 'Allegro' or 'Firefly'. The petals of 'Mandarin' are orange red, whereas the petals of 'Firefly' are red. The petal blotch of 'Mandarin' is a band type, whereas 'Princess of Orange' and 'Allegro' have an entire blotch that extends to the base of the petal. The blotch of

'Mandarin' is smaller than that of 'Firefly'. 'Mandarin' has violet filaments and anthers, compared with 'Firefly' which has blackish filaments and anthers.

Description:

PLANT: perennial, upright-bushy growth habit
STEM: no anthocyanin, no glaucosity, dense pubescence

LEAF: simple, alternate and rosette arrangement

LEAF BLADE: oblanceolate shape, acute apex, lobed margin, medium pubescence on upper side, medium green, no variegation, no petiole

PEDUNCLE: no anthocyanin

FLOWERING PERIOD: one per season, early, short

FLOWER: simple, terminal, erect

PETAL: overlapping to very overlapping, few in number, broad reniform shape, orange red upper and lower sides, band type brown purple blotch, no incisions on margin

STAMENS: violet filament, violet anther

Origin and Breeding: 'Mandarin' was discovered and selected in the nursery of the breeder, Mr. H.G. Oudshoorn in Rijpwetering, the Netherlands, in 2001. The objective of the breeding program was to create new *Papaver orientale* cultivars with improved form as well as improved floral traits.

Tests and Trials: Trials for 'Mandarin' were conducted during the summer of 2008 at Oxford Station, Ontario. The trials consisted of 10 plants of each variety, grown in field plots. The plants were spaced approximately 45 cm within the row and 1 metre between the rows. Observations and measurements were taken from 10 plants of each variety. All colour measurements were made using the 2001 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Mandarin'

	'Mandarin'	'Princess of Orange'*	'Allegro'*	'Firefly'*
<i>Plant height (cm)</i>				
mean	52.70	69.13	45.88	42.56
std. deviation	8.83	6.96	4.91	6.93
<i>Plant width (cm)</i>				
mean	51.11	43.25	35.10	43.89
std. deviation	6.55	6.07	4.21	8.83
<i>Peduncle length (cm)</i>				
mean	49.80	51.40	36.40	39.60
std. deviation	4.32	7.92	7.54	2.07
<i>Colour of petal (RHS)</i>				
upper side	32A-33B	32A	30A	34A
lower side	32A-33B	32A	30A	34A
blotch	187A	N186A	N186C-D	N186A

*reference varieties



Oriental Poppy: 'Mandarin' (bottom left) with reference varieties 'Firefly' (top left), 'Allegro' (top right) and 'Princess of Orange' (bottom right)