Two-years' Report

of International Mei (Prunus mume) Register (2003-2004)

International Cultivar Registration Centre for Mei (*Prunus mume*) (ICRCM)
Chinese Association for Mei and Winter-Sweet (CAMWS)
International Cultivar Registration Authority for Mei (*Prunus mume*) &
International Mei Senior Registrar: Chen Jun-yu

China Forestry Publishing House



梅品种国际登录双年报 (2003—2004)

梅品种国际登录中心 (ICRCM)

中国花卉协会梅花蜡梅分会 (CAMWS)

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前 言

由于种种原因,梅品种国际双年报(2003~2004)延期出版了数年。对稽延甚久之事,我们应先向梅品种登录单位和个人表示真诚的歉意。

在这本双年报中,包括了中国所产、所栽、所育(新品种)品种以及若干日本品种。共计56个品种。

对于近年申请梅品种国际登录的单位和个人,对于登录中心顾问与成员以及工作人员,对于提供登录资料与彩照的单位与个人,尤其对中国林业出版社免费出版本书,谨致谢忱。这是他们单位和个人对我国和世界梅业的宝贵支持。

自2004年1月起,我们连续每1~2期在《中国园林》上发表一组梅品种国际登录彩照,至今已刊出至:陈俊愉、陈瑞丹:梅品种国际登录(37)。为了配合年报(双年报)之文字记述,请有关读者参阅该学刊上所登之彩照。

在这本双年报中,我们把梅品种按国际栽培植物命名法规(第7版 2004,中文译本 2006)规定,仅在梅 Prunus mume 种之下设3个品种群(真梅品种群、杏梅品种群、樱李梅品种群),而不再列群、型、品系等。但花卉品种"二元分类"的良好传统和独特精神(从考古、古代文献及文物资料中寻觅品种出现早晚),则隐藏在品种名称中。参见[附录]:陈俊愉、陈瑞丹:关于梅花 Prunus mume 的品种分类体系。园艺学报 2007,34 (4):1055~1058。

本书定有错误或欠妥之处,请读者进行指正。

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Preface

This issue, Two-years' Report of International Mei (*Prunus mume*) Register (2003 – 2004) was delayed for several years. I am very sorry that the work was not well done.

In this Two-years' Report, Mei cultivars applied for international registration come mostly from Wuhan, Nanjing, Wuxi, and Beijing, etc. Besides, some cultivars introduced from Japan were included. This issue covers a sum-total of 56 Mei cultivars, including some new cvs. bred in China in recent years.

We are very thankful to applicants for International Mei Cultivar Registration, to staff members of International Cultivar Registration Centre for Mei, to suppliers of information and colour photos and particularly to China Forestry Publishing House for this Two-years' Report is printed and published free of charge to the International Cultivar Registration Centre for Mei. To the above mentioned, we are grateful very much, because they have supported the Mei career—of China as well as of the world.

Beginning from January 2004, we have published colour photos once every 1 or 2 issues in *Chinese Landscape Architecture*, China. Up-to-date, "a Series of Color Photos of Mei (*Prunus mume*) Cultivars Registered Internationally" has been published to (37) on the above-mentioned journal. Readers will find photos of the internationally registered Mei cultivars there.

Starting from this issue, we classify Mei cultivars according to International Code of Nomenclature for Cultivated Plants, Acta Horticulturae, 647, 2004. Three Groups have been established under the species *P. mume*, namely, True *Mume* Group, Apricot *Mei* Group and *Blireiana* Group, the original Branch, Group, Form all abandoned. But the spirit and superiorities of the "Dual Classification" will be hidden and reserved in naming the Mei cultivars.

There might be happened some errors or misunderstandings in this is-

sue, please point out and remind us directly.

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Mei Cultivars & Their Descriptions

1. Prunus mume 'Ba Chong Dongzhi' (8-layered winter-solstice): True Mume Group

Crown obovoid. Trunk bark greyish brown, lenticels big and sparse; branches upright, reddish-purple, with many thorns. Twigs upright or slantingly upright, medium-thick to thick, one-year-old twigs often with yellow-green stripes, vigorous. Fls: moderately floriferous, 1-2 at nodes on all kinds of flowering twigs; blooming season: February 10^{th} 2003 with 50% flower buds blooming (Wuxi); flower buds: ovate spheroid, milky yellow, slightly flushed flesh pink; flower form: shallowly bowl-shaped to disk-shaped; flower diameter 2.1(1.9-2.9) cm; colour of flowers: both obverse and reverse light milky yellow at the beginning of blooming and turned white at full blooming; petals 18.6(18-20), with extra staminodes 0-2; calyx 5-7-lobed, flat to slightly reflexed, green, flushed with pale bronze-colour; peduncle short; stamens radiating, slightly longer than or equal to petals; pistils: 0-3, well-developed or undeveloped. Flower centre normal. Fls. slightly scented; bearing fruits occasionally. Cultivar originally introduced from Japan, now preserved at Wuxi Mei Garden, Wuxi.

2. Prunus mume 'Bachong Hanhong' (8-layered cold red): True Mume Group

Crown slightly oblate spheroid. Trunk purplish brown-grey, rugged with some irregularly longitudinal furrows, with few and medium-big lenticels. Branches slantingly upright, same colour as trunk. Twigs: slantingly upright, slightly thin, light green, often flushed with bronze on one side, very thorny, moderately vigorous. Fls: sparse, 1 at nodes on all kinds flowering twigs, mostly on medium and short flowering twigs; blooming season: from February 28th to March 24th 2002, and April 7th 2003 with 80% flower buds blooming (Beijing); flower diameter 2.0(1.5-2.5)cm; coloured flower buds:

spheroid, round at apex, with or without a central opening, purplish-red; flower type; shallowly bowl-formed; colour of fls; both obverse and reverse light purplish-red R. H. S. Colour Chart (Red-Purple 67-C); petals 22. 4(+ 0-2 \$) + (0-1) small petals, sparsely arranged; calyx 5-lobed, reddish-purple, flat; peduncle medium-long; stamens radiating, shorter than petals; pistils 1, well developed. Flower centre normal. Flowers with delicate fragrance. Introduced from Japan in 1998 and now preserved at Beijing Botanical Garden, Beijing.

3. Prunus mume 'Bai Jiahe' (white add congratulation): True Mume Group

Crown slightly oblatespheroid. Trunk purplish brown-grey, rugged with some irregularly longitudinal furrows, lenticels few and big. Branches slantingly upright or upright, with same colour as trunk. Twigs slantingly upright, medium-thick, light green, often flushed with bronze on one side, with many thorns, moderately vigorous. Fls: floriferous, 1 at nodes on all kinds of flowering twigs, mostly on short flowering twigs; blooming season; from March 12th to March 30th 2002, and April 6th 2003 with 20% flower buds blooming (Beijing); flower diameter 2.0(1.5-2.4)cm; coloured flower buds: widely elliptic spheroid, light milky-yellow; flower type disk-formed; colour of fls: both obverse and reverse white; petals 5; calyx 5-lobed, flat, light green, flushed reddish-purple in some parts; peduncle medium long; stamens radiating, as long as petals; pistils 1, well developed. Flower centre normal. Flowers with slightly sweet fragrance. Introduced from Japan in 1998 and preserved at Beijing Botanical Garden, Beijing.

4. $Prunus\ mume$ 'Bu Lao Yuan Fei' (forever young garden reddish Mei) : True Mume Group

Trunk greyish brown, with a few longitudinal furrows, lenticels few and sparse. Branches and twigs upright or slantingly upright, twigs pale dark green, often flushed bronze-colour on one side. Fls: moderately, floriferous, 1-2 at nodes on all kinds of flowering twigs; blooming season: March 10^{th} 2003 with 25% flower buds blooming (Wuxi); flower buds; o-

void, rosy red, without a central opening; flower form: shallowly bowl-shaped; flower diameter 2.3(2.2-2.4) cm; colour of flowers: both obverse and reverse bright deep purple(j:s); petals 5-7, with extra staminodes 0-2, often with sharp apex; calyx 5-7-lobed, sometimes adding 1 extra petaloid sepal; peduncle medium-long; stamens radiating, shorter than petals, filaments light wine-red; pistil: 0-1, well-developed. Flower centre normal. Blooming season moderately late. Cultivar originally introduced from Japan, now preserved at Wuxi Mei Garden, Wuxi.

5. Prunus mume 'Cao Wang Huang Xiang' (Caowang flavescens): True Mume Group

Crown irregular spheroid. Trunk purplish grey, lenticels sparse and few. Twigs mostly upright, some slantingly upright, medium thick, slightly light green, half-side flushed with bronze, with a few thorns. Fls. moderately floriferous, 1-2 at nodes on various kinds of flowering twigs; blooming season: March 2nd 1988 with 20% fls. opening (Jiangdu, Jiangsu Province), Feb. 23rd 2006 with 10% opening (Wuhan); flower buds; obovoid, tip slightly flat, with or without a central opening, light yellow flesh-red; flower type; bowl-formed to disk-formed, petal-layers loosely piled up, half sides of inner petals often up and down flying; flower diameter 2.4 (2.3-2.5) cm; colour of flowers; light yellow, obverse b(1), reverse greenish yellow a(1-vp), becoming pure white while fading; petals16(13 -18) adding extra staminodes 0-1; sepals 5, with membranous sepals 0-12, sepals slightly reflexed, light green ground but almost entirely covered by purple-brown; peduncle short; stamens radiating, mostly similar in length while comparing to petals; pistils 2-3, developed. Flower centre normal. Being a fragrant and beautiful cultivar, very difficult to discover, first found by Prof. Chen et al. in 1988 at Jiangdu, Jiangsu Province. Now preserved at Mei Flower Research Centre of China, Moshan, Wuhan.

6. Prunus mume 'Changrui Dan Lü' (long filament single green calyx) : True Mume Group

Bark greyish brown, lenticels moderately dense. Branches upright or

slantingly upright. Twigs pale dark green, flushed yellow-green. Fls: moderately floriferous, mostly 1 at nodes on all kinds of flowering twigs; blooming season: March $10^{th}\ 2003\,($ Wuxi) with 90% flower buds blooming; flower buds: ovoid, stamens extruded at the beginning during flower opening; flower form: disk-shaped; flower diameter $2.2\,(2.0-2.5)\,\mathrm{cm}$; colour of flowers: obverse and reverse both white; petals 5; calyx 5-lobed, flat, light green, sometimes margin scorched; peduncle short; stamens radiating, much longer than petals, straight and stiff; pistils 0-1, not developed. Flower centre normal. Fls. slightly scented. A local cultivar, now preserved at Wuxi Mei Garden, Wuxi.

7. Prunus mume 'Danban Fenghou' (single bungo): Apricot Mei Group

Crown obovoid to oblate spheroid. Trunk purplish grey-brown, rugged with irregularly longitudinal furrows, lenticels few and moderately big. Branches slantingly upright or upright, colour as trunk. Twigs slantingly upright and spreading, relatively thick, light pale green, but covered mostly by bronze flushes, thorny; gowth vigour strong. Fls. very floriferous, 1-3(mostly 1) at nodes on various flowering twigs, mostly on medium-long and short flowering twigs; blooming season: April 5th 2003 with 10% flower buds blooming (Beijing), mass blooming season 15 days (2002, Beijing). Flower diameter 2.8 (2.5 – 3.0) cm; coloured flower buds: very light pink, ovoid to obovoid; flower type; shallowly bowl-formed; flower colour: light pink, obverse and reverse both pink, R. H. S. Colour Chart (Red-Purple 69-D); petals 5; calyx 5-lobed, slightly reflexed, reddish purple; peduncle medium-long; stamens radiating, shorter than petals; pistils 1, longer than stamens, well-developed. Flower centre normal. Flowers with apricot-flower odour; can set a few fruits. Introduced from Japan in 1998 and now preserved at Beijing Botanical Garden, Beijing.

8. Prunus mume 'DanHong Zhusha' (single red cinnabar) : True Mume Group

Crown oblate-spheroid. Trunk greyish brown, lenticels moderately big

and medium dense. Branches and twigs slantingly upright, upright and spreading horizontally. Twigs greyish green flushed by bronze purple in half side, new xylem light dull purple. Fls. floriferous, 1-2 seldom 3 at nodes on all kinds of flowering twigs; blooming season; Feb. 26th 2005 with 40% fls. opening (Wuhan); flower buds; obovate spheroid, often without a central opening, dull pink; flower type; disk-formed; flower diameter 2.4 (2.3-2.5)cm; colour of flowers; obverse extremely light watery red, petal top mostly darker (flushed with light red), reverse often deeper than obverse; petals 5 seldom 6, sometimes add 1 staminoids; calyx 5-lobed, sepals light green ground but largely covered by reddish purple, sometimes add 1 membraneous sepals; peduncle short; stamens radiating, equaling to petal length; pistils 1, developed or degenerated. Flower centre normal. An elite new cultivar bred from chance seedling by Mei Flower Research Centre of China, Moshan, Wuhan. and preserved there.

9. Prunus mume 'Dan Fen Chuizhi' (light pink pendant): True Mume Group

Pendulous branches and twigs forming an umbrella-like tree crown. Trunk greyish brown, with relatively small and moderately dense lenticels. Branches and twigs obliquely declined to pendulous, Twigs light dull green, with half side flushed by bronze surface colour. Fls. moderately floriferous. mostly 1 at nodes on short and medium flowering twigs; blooming season: 10% fls. opening on 10^{th} Feb. 2003 (Moshan, Wuhan); flower buds: pink, nearly spheroid, withoutan opening at centre; flower type: disk-shaped, petal apex slightly notched; flower diameter 2.4(2.1-2.6) cm; colour of flowers: both obverse and reverse light flesh-pink; petals $24.5(22-29)+(0-3\delta)$; calyx 5-8-lobed, mostly 5-lobed, reflexed, light green but in a small portion ground colour covered by reddish purple; peduncle short; stamens shorter than petals, radiating; pistils 2-4, small, short and degenerate. Flower centre normal, or a little duplicated-like. Fls. lightly fragrant. A new cultivar bred from chance seedling selection. Bred and preserved at Mei Flower Research Centre of China, Moshan, Wuhan.

10. Prunus mume 'Danfen Dan Sha' (pale pink single cinnabar) : True Mume Group

Trunk purplish brown, lenticels few and sparse. Branches and twigs upright or slantingly upright, twigs pale dark green. Fls: moderately floriferous, 1-2 at nodes on all kinds of flowering twigs; blooming season: February 23^{rd} 2003with 80% flower buds blooming (Wuxi); flower buds: nearly spheroid, light pink, with or without a central opening; flower form: disk-shaped; flower diameter 2.0cm; colour of flowers: reverse very pale purple (j:vp), obverse lighter than reverse, colour not evenly distributed; petals 5-6, mostly 5; calyx 5-lobed, pale green ground but mostly covered by brownish purple, flat; peduncle short; stamens radiating, anthers pale orange-red, filaments pale red, slightly longer than petals, length not equal; pistil: 0-1, short and small to degenerate. Flower centre normal. Fls. slightly scented. Now preserved at Wuxi Mei Garden, Wuxi.

11. Prunus mume 'Dao Zhibian' : True Mume Group

Crown oblate spheroid. Trunk purplish brown-grey, rugged with some irregularly longitudinal furrows, lenticels few and medium-sized. Branches slantingly upright, purplish-grey. Twigs slantingly upright, medium-thick, light green, often flushed with bronze on one side, very thorny, moderately vigorous. Fls. floriferous, 1-3 (rarely 3) at nodes on all kinds of flowering twigs, mostly on medium-long and short flowering twigs; blooming season; from March 11th to April 1st 2002, and April 3rd 2003 with 60% flower buds blooming (Beijing); coloured flower buds; obvate spheroid, light pinkish-red; flower type; shallowly bowl- to disk-shaped; colour of fls; both obverse and reverse pink R. H. S. Colour Chart (Red-Purple 73-C); petals 5.3(5-7); calyx 5-7 – lobed, light green, flushed with reddish-purple in some parts, flat to slightly reflexed; peduncle medium-long; stamens radiating, as long as petals; pistils 0-1, usually degenerate. Flower centre normal or empty. Flowers with sweet fragrance. Introduced from Japan in 1998, and now preserved at Beijing Botanical Garden, Beijing.

12. Prunus mume 'Dong Zhi' (Winter solstice): True Mume Group

Crown obovate spheroid. Trunk purplish brown-grey, rugged with some irregularly longitudinal furrows, with few medium-sized lenticels. Branches slantingly upright, purplish-grey. Twig slantingly upright or upright, medium-thick, light green, with few thorns, moderately vigorous. Fls: moderately floriferous, 1 at nodes on all kinds of flowering twigs, mostly on medium, short flowering twigs and spurs; blooming season: from March 8^{th} to April 1^{st} 2002, and April 5^{th} 2003 with 10% flower buds blooming (Beijing); flower diameter 2.5cm; coloured flower buds: oval spheroid, without a central opening, light milky-yellow; flower type: dishformed; colour of fls: both obverse and reverse white; petals 6.4(5-8); calyx 5-8-lobed, flat to slightly reflexed, light green, flushed with reddishpurple on most parts; peduncle medium-long; stamens radiating, as long as or shorter than petals; pistils 1, well developed. Flower centre normal. Flowers with sweet fragrance. Introduced from Japan in 1998 and now preserved at Beijing Botanical Garden, Beijing.

13. Prunus mume 'Feifei Zhusha' (Feifei's cinnabar): True Mume Group

Crown obovatish oblate-spheroid. Trunk greyish brown, lenticels medium-big, moderately dense. Branches and twigs upright or slantingly upright, twigs dull greyish green, one side flushed with bronze, new xylem light dull purple. Fls. relatively floriferous, mostly 1-2 flowers at nodes on all kinds of flowering twigs; blooming season; 50% fls. opening on 20^{th} Feb. 2004 (Wuhan; Mei Flower Research Centre of China); flower buds; oblate spheroid, rosy purple-red, with a central opening; flower type; disk-shaped; flower diameter 2.65(2.4-2.9) cm; colour of flowers; obverse rosy purple-red fl. colour slightly uneven, reverse slightly darker than obverse; petals 17(15-25), occasionally 1 extra staminode added; calyx 5-6-lobed, mostly 5-lobed, reddish purple, plane to slightly reflexed; peduncle short; Stamens radiating, bending toward fl. centre into loose bundles while full blooming, equaling in length as the petals, a few longer or shorter than petals, filaments light wine-red; pistils 1-4, mostly 2-3, moderately

developed. Flower centre normal. Found inrecent year at Mei Garden of Moshan, being an elite big tree. Now preserved at Mei Flower Research Centre of China, Moshan, Wuhan.

14. Prunus mume 'Fei Hou Zi Man Chi' (proudly red purple in Feihou): True Mume Group

Crown obovoid. Trunk greyish brown, lenticels moderately dense. Branches and twigs upright or slantingly upright, twigs pale dark green, flushed bronze-colour on one side. Fls: moderately floriferous, 1-2 at nodes on all kinds of flowering twigs; blooming season; February 22^{nd} 2004 with 40% flower buds blooming (Wuxi); flower buds; ovoid, without a central opening, rosy pink; flower form: disk-shaped; flower diameter 2.3 (2.0-2.5) cm; colour of flowers; obverse deep violet purple (k:s), obverse slightly paler; petals 5-6, sometimes with extra staminodes 0-2; calyx 5-6-lobed, sometimes with an extra petaloid sepal, reddish purple; flat to slightly reflexed; peduncle medium-long; stamens radiating, about equal to petals, filaments pale winy-red; pistil 0-1, well-developed. Flower centre normal. Fls. slightly scented. Cultivar originally introduced from Japan, now preserved at Wuxi Mei Garden, Wuxi.

15. Prunus mume 'Fen Taige' (powdery duplicate): True Mume Group

Crown obovate spheroid, relatively open centreed. Trunk greyish purple-brown, lenticels relatively small and dense. Branches and twigs slantingly upright or upright, twigs relatively thick, light greyish green, but flushed with bronze on one side. Fls. moderately floriferous, 1-3 at nodes on all kinds of flowering twigs; blooming season; in general early to late March, 30% fls. opening on 5^{th} Mar. 1981, and 40% opening on 26^{th} Feb. 2003 (both Moshan, Wuhan); flower buds; peach red, oblate spheroid to oblate peach shaped, apex mostly roundish or slightly acute, with or without a central opening; flower type; shallowly bowl-shaped, petals 6-7 layers, piled up loosely, petal edges up and down flying; flower diameter 2.6 (2.2-3.3) cm; colour of flowers; obverse very pale violet-purple to light violet-purple; k(vp-1), reverse strong violet-purple k(s) or even stronger,

petal colour uneven, edges of outer petals often lighter; petals 35.2(25-39), with staminodes $0-2\delta$; calyx 5-7-lobed, mostly 5-lobed, plane to reflexed, reddish purple; peduncle short; stamens shorter than or equal to petals, radiating, often condensed to fls. centre, becoming bundle-like as a whole at late stage; pistils mostly degenerate. Flower centre nearly always replaced by a floret (duplicated) or becoming duplicated-like. Fls. giving sweet fragrance, no fruiting. An excellent high qualified traditional cultivar, fls. big of high degree doubleness, duplicated florets appearing stably. Now preserved at Mei Flower Research Centre of China, Moshan, Wuhan.

16. Prunus mume 'Fen Ye' (flush face): True Mume Group

Crown obovoid. Trunk bark greyish brown, lenticels few and sparse, branches upright or slantingly upright. Twigs pale dark green, flushed bronze-colour. Fls: moderately floriferous, 1-2 at nodes on medium and short flowering twigs, mostly on the long flowering twigs; blooming season: February 18^{th} 2004 (Wuxi) with 10% flower buds blooming; flower buds; spheroid to oblate spheroid, without a central opening, milky yellow flushed flesh red; flower form: disk-shaped; flower diameter 2.5(2.3-2.6) cm; colour of flowers: obverse white, outer petals of reverse often flushed very pale red; petals 15.2(13-19), often with extra staminodes 0-2; calyx 5-lobed, seldom 6-lobed, sometimes add extra petaloid sepal 0-1, flat to slightly reflexed, light green, most parts flushed reddish purple; peduncle short; stamens radiating, shorter than or equal to petals; pistil:1, developed. Flower centre normal. Fls. slightly scented. Local cultivar, now preserved at Wuxi Mei Garden, Wuxi.

17. Prunus mume 'Fu Ban Lü'e' (semi-double green calyx): True Mume Group

Crown irregularly ovate spheroid. Trunk bark and older branches greyish brown, lenticels many and dense, branches upright or slantingly upright. Twigs pale dark green. Fls: floriferous, 1-2 at nodes on short and medium flowering twigs, seldom on trusses; blooming season: February 18^{th} 2004 with 10%. flower buds blooming (Wuxi); flower buds; obovoid to spheroid