Cultivar Name Registration at the Arnold Arboretum 1987 and 1988

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The Arnold Arboretum of Harvard Univ. continues to serve as International Registration Authority for cultivar names in 11 genera of ornamental woody plants; the following notes pertain to cultivar names that have been registered at the arboretum during 1987 and 1988. The 11 genera include: Chaenomeles, Cornus, Fagus, Forsythia, Gleditsia, Lantana, Malus (ornamental species), Philadelphus, Pieris, Ulmus, and Weigela. Inquiries concerning the registration of cultivar names in these genera should continue to be addressed to Dr. S.A Spongberg, The Arnold Arboretum, The Arborway, Jamaica Plain, MA 02130, USA.

Cultivar names registered during 1988 include one each in Fagus and Malus. Thirty-three additional cultivars in Malus registered in 1987 but not previously published, are also included here.

Fagus sylvatica 'Crarae'. Registered 4 Nov. 1988. Registrant: James M. MacKirov, Head Gardener, Crarae Gardens Charitable Trust, Crarae, Inverary, Argyll, Scotland. The cultivar is based on its unique leaf morphology; the leaves are asymmetrical ovals in outline and recurved with oblique-cuneate and slightly ariacule bases. Deeply lobed along the margins, the sinuses between the lobes reach one-fourth to one-third the distance to the midrib. The original tree on which this cultivar is based grows in the Crarae Gardens.

Malus hupehensis 'Cornell'. Registered 4 Nov. 1988. Registrant: Pardon W. Cornell, 680 Tucker Road, North Dartmouth, Massachusetts 02747, USA. This vase-shaped crabapple flowers annually and is resistant to scab, cedar-apple rust, and leaf spot. The flowers are fragrant, light pink in bud, opening, and becoming pinkish white. The fruits are small, around 1 cm in diameter, yellowish but becoming red and persisting into the winter months.

The following cultivars of Malus are the introductions of John L. Fiala and were grown and selected by him at Falconskeape, 7359 Branch Road, Medina, Ohio 44258, USA. These cultivars were registered on 1 Feb. 1987.

Malus 'Autumn Treasure'. Fiala #85-1-3, 1975. 'Wintergold' x 'Red Swan'. Small weeper, refined form, to 3 m high and as wide; leaves medium to dark green, disease-resistant; buds red opening to single, white blossoms; fruit very small to 0.6 cm, colors early, gold, showy, and persistent until hard freeze. Relished by birds.

Malus 'Ballarina'. Fiala #84-4-6, 1974. 'Garnet' x Tetra seedling. Upright to fan-shaped tree to 4.8 m; leaves dark green, disease-resistant; white buds opening to large, very cupped, white, single but showy blossoms; fruits 1 to 1.3 cm, bright yellow, persistent to hard frosts. Excellent tree for narrow places.

Malus 'Bonfire'. Fiala #86-18, 1976. 'Christmas Holly' x 'Amberina'. Small, upright, rounded, heavily flowering tree to 4.2 m; good medium to dark green leaves; red buds opening to single, white blossoms; fruit abundant, very small, 0.6 cm, brilliant orange red, very showy as it colors early and persists firm until eaten by birds. Excellent tree for smaller landscapes or as a specimen tree.

Malus 'Cardinal's Robes'. Fiala #E-84-1, 1970. 'Lister' x 'Amberina'. Medium-sized rounded tree to 4.5 m; leaves dark reddish green, very healthy and disease-resistant; buds bright orange red, opening to bright red, single blossoms; fruit bright red, 1 to 1.3 cm, round; bark unique, like that of a cherry tree and very attractive in winter.

Malus 'Carnival'. Fiala #86-9-1, 1978. 'Serenade' x 'Amberina'. Small, rounded tree to 3.6 m; dark green, very heavily textured leaves; pinkish-red buds opening to single white blossoms; fruit begins to color early, very small, to 1 cm, round, combining gold, orange and red, very distinctive and showy, the fruit remains firm and persistent until heavy freeze and eaten by birds. An excellent small tree.

Malus 'Color Parade'. Fiala #86-224, 1976. 'Serenade' x 'Coral Cascade'. Excellent, refined semi-weeper to 3.6 m high and as wide; dark green leaves very disease-resistant, buds bright red opening to single, white blossoms, very showy and heavily blooming and fruiting; fruit colors early, 1 to 1.3 cm, bright coral with red cheeks, remaining firm and persisting until eaten by birds in mid-winter.

Malus 'Copper King'. Fiala #R-85-N2, 1977. 'Satin Cloud' x 'Shinto Shrine' (tetraploids). A small, very tailored, round tree to 3.6 m, tetraploid; leaves dark green, very heavy, leathery, and disease resistant; buds white, opening to large, single, spice-fragrant, white blossoms; fruit 1.3 cm, reddish copper, the fall leaf color yellow to orange. Very distinctive and unique.

Malus 'Coralane'. Fiala #85-B5, 1972. 'Coral Cascade' x ('Red Swan' x 'Coral Cascade'). Small, refined semi-weeper to 3.6 m; medium green leaves disease-resistant; buds red pink, opening to single white blossoms; fruit colors early, 0.6 cm, very showy pink coral and coppery, firm and persistent. Excellent tree in form and fruit.

Malus 'Doubloons'. Fiala #82-103, 1968. 'Spring Song' x 'Dorothea' x 'Wintergold'). Small, refined, rounded tree to 3 or 3.6 m high and as wide; leaves dark green and disease-resistant; buds bright red, opening to double, white flowers produced in clusters; fruit small, 1 cm, rounded, yellow gold, turning to deeper gold, readily eaten by birds in winter. An excellent double-flowering, gold-fruited crabapple for smaller landscapes and as a specimen tree.

Malus 'Fiesta'. Fiala #85-1-1, 1975. 'Wintergold' x 'Christmas Holly'. Small to medium semi-weeper with slender, refined branches, to 4.5 m; dark green leaves disease resistant; buds red, opening to single, white blossoms in cascades along the branches; fruits small, to 1 cm, combining bright burnt coral to orange gold on a single fruit, these firm and persistent. An excellent weeper with very attractive form, flowers, and fruits.

Malus 'Firebelle'. Fiala #86-455, 1975. 'Christmas Holly' x 'Amberina'. A small rounded tree to 3.6 m with dark green, disease-resistant leaves; flowers in heavy clusters, the buds red, opening to single white blossoms; fruit 1 cm, very bright red, round and firm and persistent until subjected to deep freeze or eaten by birds. Excellent tree for smaller landscapes and as a specimen tree.

Malus 'Firebrand'. Fiala #86-5-26, 1978. 'Redbird' x 'Amberina'. Small, rounded-headed tree to 4.2 m with deep green, disease-resistant leaves; buds red, opening to single, white flowers; fruit small, to 0.6 cm, brilliant orange red, heavily produced and extremely showy with age.

Malus 'Fireburst'. Fiala #85-1-2, 1975. 'Wintergold' x 'Christmas Holly'. Upright or slightly spreading small tree to 4.5 m with dark green, disease-resistant leaves; buds bright cherry red, opening to single white flowers; fruit small, 0.6 cm, firm, very bright red and showy, and persisting to a deep freeze.

Malus 'Golden Dream'. Fiala #85-12-60, 1960. 'Winter Gold'
**Malus 'Golden Galaxy'.** Fiala #85-6-7, 1974. 'Centurian' x 'Gypsy Gold'. An upright, fan-shaped small tree to 4.8 m with medium green, disease-resistant leaves; buds pale pink, opening to single white blossoms; fruit 1.3 cm, bright gold, firm and persistent. A fine tree, particularly nice when planted near red- or orange-fruited crabapples.

**Malus 'Goldilocks'.** Fiala #85-6-9, 1976. 'Tetragold' x 'Coral Cascade'. An excellent, refined semi-weeper to 4.5 m and as wide with medium green leaves; flowers produced in cascades, the buds red, opening to single white blossoms; fruit small, 0.6 to 1 cm, golden copper, heavily fruiting, and showy.

**Malus 'Gypsy Dancer'.** Fiala #86-441, 1976. 'Gypsy Gold' x 'Amberina'. A very graceful, somewhat spreading tree to 4.2 m with dark green, disease-resistant leaves; buds bright red, opening to single, white blossoms; fruit 1 to 1.3 cm, each combining red, orange, yellow, and coral and very brilliant and persistent until eaten by birds.

**Malus 'Koi'.** Fiala #85-18, 1968. Malus hupehensis x 'Redbird'. An upright, fan-shaped tree to 4.2 m with medium green, disease-resistant leaves; buds red pink, opening to single, white flowers; fruit 1 to 1.3 cm, bright orange red, very firm and persistent until February. A very showy tree in winter, its beauty increasing with age.

**Malus 'Limelight'.** Fiala #86-N3-1, 1978. ('Wintergold' x 'Golden Candles') x 'Golden Dream'. A well-tailored, round tree to 4.8 m with very heavily textured, leathery, dark green, disease-resistant leaves; buds light pinkish, opening to white, single flowers; fruit oblong, 1.3 cm wide x 1.9 cm long, very bright lime-chartreuse, the fruits distinctive and very attractive against the dark green foliage, firm and persistent until deeply frozen. An excellent tree particularly when planted near bright orange- or red-fruited crabapples.

**Malus 'Little Trol'.** Fiala #85-6-8, 1975. 'Molten Lava' x 'Leprechaun'. A small and very refined, graceful weeper to 4.5 m with dark green, disease-resistant leaves; buds brilliant red, opening to single, white flowers, the numerous flowers forming cascades along the branches; fruit small, to 0.6 cm, bright orange red, firm, and persistent, relished by birds.

**Malus 'Mandarin Magic'.** Fiala #86-526, 1974. 'Shaker Gold' x 'Coral Cascade'. A medium, somewhat spreading tree to 4.8 m with very dark green leaves with good disease-resistance; buds reddish pink, opening to large, single, white flowers; fruit coloring late, beginning green cheeked with red, then turning orange-cheeked bright red and yellow, 1.3 to 1.9 cm, firm and persistent, and very showy in late fall. Excellent landscape and background tree due to its heavy fruiting, not recommended for small lawns.

**Malus 'Matador'.** Fiala #85-1-4, 1974. ('Seafoam' x 'Amberina') x ('Coral Cascade' x 'Christmas Holly'). A small, somewhat wide-spreading upright tree to 4.2 m with disease-resistant, dark green leaves; bright red buds opening to single, pure-white flowers; fruit small, 0.6 cm, brilliant red, firm and persistent, relished by small birds. A very showy tree when in flower and in fruit.

**Malus 'Maysong'.** Fiala #85-3-5, 1975. 'Silver Moon' x an unnamed octoploid seedling. A very upright, narrow tree to 6 m, spreading to vase-shaped with age; leaves heavily textured, deep green and disease-resistant; buds pale pinkish white, opening to large, single, white flowers, the number of flowers on spurs increasing annually; fruit 1 to 1.3 cm, medium red.

**Malus 'Moonflower'.** Fiala #86-1-12, 1977. 'Wintergold' x 'Christmas Holly'. A small, round tree to 3.6 m with dark green, disease-resistant leaves; buds bright red, opening to masses of single white flowers; fruit coloring early, lime-chartreuse with a rose cheek turning to pale lemon with a rose-coral cheek, 1 cm, firm and persistent. A very attractive tree in flower and with a unique fruit coloring.

**Malus 'Pagoda'.** Fiala #84-17, 1970. 'Red Swan' x 'Autumn Glory'. A fine, small, rounded weeper to 3.6 m high and wide with dark green, disease-resistant leaves; buds bright carmine, opening to single, white flowers; fruit 1 cm, firm and persistent, coloring early to a brilliant orange red.

**Malus 'Peter Pan'.** Fiala #60-4, 1955. Malus zumi ‘Woosteri’ x seedling 48-75 (= Malus zumi x Malus micromalus). A rounded tree to 4.2 m and about as wide; leaves medium green, very disease-resistant; buds bright red, opening in masses of single, white flowers; fruit 0.6 cm, very bright red on spurs that increase with age, the fruit firm, persistent, turning copper red with heavy frosts, and relished by small birds.

**Malus 'Purple Prince'.** Fiala #85-20-R2, 1970. ('Bluebeard' x 'Liset') x 'Garnet'. A small, rounded, tailored tree to 4.8 m with deep purple-green, disease-resistant leaves; buds carmine red, opening to bright red, single flowers; fruit firm and persistent, 1 to 1.3 cm, bluish purple with a fine blue cast, attractive and showy next to gold or orange fruits; bark very distinctive and fissured like that of a cherry. A fine dark purple-leaved tree.

**Malus 'Royal Splendor'.** Fiala #85-19B, 1975. 'Red Swan' x 'Autumn Glory'. A small, spreading weeper—ideal for Japanese gardens—to 3 m high by 4.6 to 4.2 m wide; leaves green, disease-resistant; buds red pink, opening to single, white blooms, the flowers produced in heavy cascades along the branches; fruit 1 to 1.3 cm, brilliant red, very showy, firm, and persistent into mid-winter when taken by birds. An excellent weeper for small gardens or as a specimen tree.

**Malus 'Sensation'.** Fiala #86-301, 1976. 'Serenade' x 'Amberina'. A graceful, small, semi-weeper to 3.6 m with dark green, disease-resistant leaves; buds carmine red, opening to single, white flowers; fruit 1.3 cm, bright orange with red cheeks, firm and persistent. A very heavily flowering and fruiting tree, especially with age.

**Malus 'Sina Fire'.** Fiala #84-101, 1974. 'Red Swan' x 'Amberina'. A unique small, upright weeper with very downward weeping branches to 3.6 m high and equally as wide; leaves rich dark green and very disease-resistant, elongated and of a heavy, leathery texture; buds brilliant red, opening to large, single, white flowers, the flowers cascading along the branches; fruit 0.6 to 1 cm, coloring early, brilliant orange red with a waxy sheen, firm and persistent. An excellent specimen tree or as a component of a Japanese garden landscape.

**Malus 'Tea Time'.** Fiala #85-17, 1965. Malus hupehensis tetraploid selection. An upright, vase-like tree to 7.5 m with dark green, disease-resistant leaves; buds pale pink, opening to white, single flowers; fruit 0.6 cm, firm and persistent, differing from other M. hupehensis forms in its lime-chartreuse color with a red cheek.

**Malus 'Wildfire'.** Fiala #85-455, 1975. ('Coral Cascade' x 'Liset') x 'Red Swan'. A medium-sized, semi-weeper of attractive form to 4.8 m with dark reddish-green, disease-free leaves; buds bright red, opening to pink flowers; fruit 0.6 to 1.3 cm, firm and persistent, very brilliant red and very showy among the dark leaves.

**Malus 'Woven Gold'.** Fiala #84-2, 1975. 'Wintergold' x ('White Cascade' x 'Peter Pan'). A small, semi-weeping tree to 3.6 m with dark green, disease-resistant leaves; buds carmine red, opening to single, pure white flowers; fruit to 1 cm in spur clusters, bright yellow-gold, firm, and persistent. An attractive yellow-fruited weeper. Because of its small fruits, 'Woven Gold' makes a fine lawn specimen.