



Circular



Table 1. Aesthetic Evaluations of Crabapples at Secret Aboretum: 1993–1998. A “*” preceding the crabapple selection indicates only two years (1997–1998) of observations.

Crabapple	Fruit		Flower			
	Fruit Color	Season of ¹ Impact	Bloom ¹ Color	Bloom ² Days	Bloom ² Time	Tree Form
*‘Adirondack’	orange-red	late Aug. to mid-Dec.	white	12.0	L	narrow upright
<i>M. baccata</i> ‘Jackii’	maroon red	late July to mid-Dec.	white	10.3	E	rounded upright
‘Beverly’	pink-red	late July to late Sept.	white	14.3	E	upright spreading
‘Bob White’	yellow	mid-Oct. to late Jan.	white	14.5	M	rounded
*‘Camelot’	rose-pink	mid-June to late Oct.	white	14.0	L	low spreader
*‘Canary’	yellow	mid-Aug. to early Dec.	white	12.0	M	open spreader
*‘Candy mint’	red-purple	early July to late Dec.	pink	14.0	M	low spreader
‘David’	scarlet	mid-Sept. to mid-Nov.	white	13.7	M	rounded
‘Dolgo’	red-purple	early Aug. to mid-Sept.	white	13.7	E	broadly rounded
‘Donald Wyman’	bright red	mid-Sept. to late Mar.	white	15.5	L	broadly rounded
<i>M. floribunda</i>	yellow	mid-Oct. to early Nov.	white	12.3	M	broadly spreading
*‘Glen Mills/ Winter Gem’	bright red	late Aug. to mid April	white	10.0	M	rounded spreader
*‘Golden Raindrops’	yellow	mid-Oct. to early Dec.	white	10.0	L	open spreader
‘Harvest Gold’	yellow	late Oct. to mid-Dec.	white	11.0	L	upright

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Scab ³	Aesthetic Rating ³ 93–98 Avg.	Comments	
		☺ : positive aspects	☹ : negative aspects
none	2.8	☺ : narrow upright form; red-tinged flowers; nice autumn fruit/foilage effect; fruit darkens with time to deep orange-gold;	☹ : fruit scattered; leafhoppers like foliage.
none	2.8	☺ : glossy green foliage; wonderful fall yellow foliage accents the maroon fruits; bark has orange cast;	☹ : sparse fruit clusters; mediocre winter appeal.
none	3.5	☺ : abundant fruit; consistent floral display is fabulous;	☹ : fruits only half-eaten by birds; large, persistent fruit mummifies into muddied, black blobs until spring.
none	2.9	☺ : abundant yellow-gold fruits mature to orange-gold; standout for winter landscape; unbelievable bloom;	☹ : alternate bloom; lacking summer appeal.
trace	3.0	☺ : low spreading form; fuschia-tinged flower; oblong fruit; foliage dark green with burgundy overtones;	☹ : dull leaf appearance; slow growing.
minor	3.1	☺ : clusters of tiny fruit; nice autumnal fruit/foilage effect;	☹ : some defoliation caused by scab; fruit deteriorates turning cider-brown then falls off.
none	2.2	☺ : great overall form; reliable fruit/flower display; purple-tinged leaves; burgundy stems and fruit; new foliage is burgundy red;	☹ : slow growing; dull leaf appearance.
trace	3.3	☺ : snow-white flower display; impressive cherry-like fruits;	☹ : alternate bloom; large mummies hang until mid-winter; mediocre appeal until bloom.
none	3.9	☺ : consistent early, large, fragrant blooms; edible, large neon red-purple fruit;	☹ : rotten fruit is an intoxicating mess; big, brown mummies are ugly.
minor	2.4	☺ : excellent floral display; glossy, exfoliating trunk bark; persistent fruit a mud-red after freeze;	☹ : mummies; heavy fruit scab repeatedly threatens overall appeal.
trace	3.0	☺ : commingling of yellow and cider brown fruit; wonderful airy floral display;	☹ : three-week fruit display; yellow flecking of foliage; mediocre tree most of the year.
major	2.4	☺ : petite, profuse fruit is sensational; long-lasting fruit effects; fast growing;	☹ : large tree; mediocre summer appeal.
none	2.5	☺ : interesting cutleaf foliage; petite abundant fruit; reliable fruit/flower display; great autumnal leaf color; yellow-orange bark;	☹ : bland green fruit through summer.
major	3.4	☺ : yellow-gold fruit clusters accented by red pedicel;	☹ : long period of green fruit; extensive scab yearly; awkward tree form; fireblight is a concern.



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Table 1 (continued). Aesthetic Evaluations of Crabapples at Sequest Arboretum: 1993–1998. A “*” preceding the crabapple selection indicates only two years (1997–1998) of observations.

Crabapple	Fruit		Flower			
	Fruit Color	Season of ¹ Impact	Bloom ¹ Color	Bloom ² Days	Bloom ² Time	Tree Form
‘Indian Magic’	red-orange	mid-June to early Apr.	pink	13.7	M	rounded
‘Indian Summer’	red	early June to mid-Feb.	rose-red	14.0	E	rounded
*‘Lancelot’	yellow	early Oct. to early Dec.	white	12.0	L	dense upright
‘Liset’	maroon-red	early July to mid Dec.	rose-red	14.5	L	open rounded
*‘Louisa’	lemon-gold	late July to mid-Dec.	pink	13.0	E	true weeper
‘Mary Potter’	red	mid-Aug. to late Nov.	white	11.5	L	weeper spreader
‘Molten Lava’	red	early Aug. to mid-Dec.	white	13.0	M	broad spreader
*‘Naragansett’	cherry-red	early Sept. to mid-Dec.	white	15.0	M	broadly rounded
‘Ormiston Roy’	orange	late Aug. to late Mar.	white	13.0	M	broadly rounded
*‘Pink Satin’	dark red	mid-Aug. to mid-Oct.	pink	10.0	L	upright spreading
*‘Prairie Maid’	rosy-red	early June to late Nov.	deep pink	13.0	L	rounded
‘Prairifire’	purple-red	late June to early Dec.	coral-red	13.2	L	rounded
‘Prof. Sprenger’	orange-red	late Sept to mid-Nov.	white	12.2	M	upright spreader



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Scab ³	Aesthetic Rating ³ 93–98 Avg.	Comments	
		☺ : positive aspects	☹ : negative aspects
major	2.6	☺ : incredible fruit display; consistent, profuse floral display; persistent fruit; fall foliage color;	☹ : yearly leaf scab and defoliation by mid-summer.
major	3.0	☺ : prolific fruit display; consistent large blooms; orange fall foliage; flaky bark on trunk;	☹ : yearly extensive leaf scab; persistent mummies.
none	2.9	☺ : diminutive size; consistent tree form; fruit mix of yellow and cider;	☹ : tight dense branching structure; fruit/flower mostly hidden on the interior of the plant.
trace	3.3	☺ : attractive fruit display; red-maroon new foliage turning bronze green;	☹ : awkward splayed form; mummies; minimal fruit to foliage contrast.
none	1.8	☺ : outstanding tree form is its greatest asset; arching, graceful branches upswept at ends;	☹ : fruit darkens to gold-orange with a rose blush; scattered, sparse fruit.
trace	2.2	☺ : consistent, petite, abundant fruit; fantastic floral display; elegant arching, spreading tree form;	☹ : salmon-colored underbark; mummies distract mid-winter.
minor	1.8	☺ : outstanding fruit/fall foliage combination; excellent horizontal layered branching;	☹ : consistent bloom; somewhat cluttered with maturity; dense; lacks summer appeal.
major	3.1	☺ : consistent bloom; abundant firm fruit;	☹ : cluttered dense branching structure; severe fruit scab; scabby leaves remain on the tree; tree form awkward.
trace	2.6	☺ : wonderful glossy, oval-shaped persistent fruit with rosy blush; orangish bark deeply furrowed;	☹ : good floral display; mummies may remain up to a year.
minor	3.5	☺ : nice true pink bloom;	☹ : abundant persistent blackened mummies are overwhelming; heavy fruit scab; cluttered branch structure.
none	2.6	☺ : reliable wonderful bloom; abundant clusters of fruit; new foliage is burgundy red;	☹ : lacks winter appeal; waxy coating dulls fruit finish until coating weathers off.
none	2.3	☺ : firm fruits slowly age to cherry-red before dropping; yearly spectacular bloom;	☹ : airy structure; peach-orange fall color; lacks winter and early summer appeal.
trace	3.6	☺ : consistent, large flower display;	☹ : dull appearance of large yellow-green fruits during summer; muddled mummies persist until late winter; awkward tree form.



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Table 1 (continued). Aesthetic Evaluations of Crabapples at Secret Aboretum: 1993–1998. A “*” preceding the crabapple selection indicates only two years (1997–1998) of observations.

Crabapple	Fruit		Flower			
	Fruit Color	Season of ¹ Impact	Bloom ¹ Color	Bloom ² Days	Bloom ² Time	Tree Form
*‘Purple Prince’	blue purple	late June to late-Dec.	rose red	13.0	E	broadly round
Red Jade’	red	late Aug. to mid-Nov.	white	13.0	M	weeper spreader
‘Red Jewel’	cherry red	early Sept. to mid-Apr.	white	13.0	L	narrow upright
‘Red Splendor’	red	late May to mid-Nov.	rose pink	15.5	E	upright spreading
<i>M. sargentii</i>	red	mid-Aug. to early Nov.	white	11.2	L	wide spreader
‘Sentinel’	red	late Sept. to early Mar.	white	13	M	narrow upright
*‘Silver Drift’	cherry red	mid-Sept. to mid-Apr.	white	13	E	broadly round
‘Silver Moon’	burgundy	early Sept. to mid-Dec.	white	9.2	L	oval upright
*‘Sinai Fire’	red-orange	mid-Aug. to late Oct.	white	14	M	unique spreader
‘Snowdrift’	salmon-red	mid-Aug. to mid-Nov.	white	10.2	M	broadly rounded
‘Strawberry Parfait’	red-cream	mid-Aug. to mid-Apr.	pink	14.7	E	open spreading
‘Sugar Tyme’	bright red	early Sept. to mid-Apr.	white	13	M	rounded
‘White Angel’	red	mid-Oct. to early Feb.	white	9.7	M	broadly rounded



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Scab ³	Aesthetic Rating ³ 93–98 Avg.	Comments	
		☺ : positive aspects	☹ : negative aspects
none	2.6	☺ : dark large unusual colored fruit; consistent flower/fruit display; fast growing; leaves deep purple green;	☹ : lacks fruit/foilage contrast; lacking winter appeal.
minor	2.2	☺ : large, prolific bloom; reliable fruit and flower display; graceful arching, spreading growth habit;	☹ : unsightly fruit rot in Jan.; scab on fruit can dull appearance.
none	2.5	☺ : phenomenal persistent firm fruit; great flower display; can become alternate bloomer;	☹ : tree form is somewhat upright and ungainly.
major	3.3	☺ : exceptional profuse red fruits; fruit matures to orange-salmon color; reliable fruit/flower display;	☹ : heavy scab may defoliate tree; severe Japanese beetle feeding.
none	2.8	☺ : petite firm fruits; attractive low-spreading form; reliable fruit/flower display;	☹ : fruits rapidly deteriorate and shrivel like raisins.
minor	2.9	☺ : persistent firm small fruits; spectacular pink-tinged bloom; reliable fruit/flower display;	☹ : persistent mummies are detracting; fruit scab dulls appearance.
trace	2.7	☺ : nice persistent showy fruit, nice fruit/new leaves contrast; fast-growing tree;	☹ : some fruit mummies; fruit obscured by foliage.
none	3.0	☺ : glossy unique colored fruits; good late floral display; peculiar tree form;	☹ : erratic alternating bloomer; densely cluttered growth; fireblight can be a problem.
none	2.5	☺ : uncommon growth habit; good specimen plant; large flowers; consistent bloom;	☹ : scattered sparse fruit; unique form can limit usage; slow growing.
major	2.9	☺ : reliable excellent flower display; distinctly colored, small round fruits and pedicels;	☹ : fruits shrivel by late fall; chlorotic summer foliage; extensive leaf scab.
trace	2.3	☺ : unbelievable floral display; red-tinged newly emerged foliage; unusual growth form; firm persistent fruits;	☹ : persistent fruit mummies.
trace	2.4	☺ : reliable fruit/flower displays; abundant persistent fruits; stunning sugar white flowers; good tree form;	☹ : fruit drops all at once before bloom.
none	3.2	☺ : abundant fruits; reliable fruit/flower display; attractive bloom;	☹ : awkward growth form until tree matures; mummified fruit hangs until spring.



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Table 1 (continued). Aesthetic Evaluations of Crabapples at Secret Aboretum: 1993–1998. A “*” preceding the crabapple selection indicates only two years (1997–1998) of observations.

Crabapple	Fruit		Flower			Tree Form
	Fruit Color	Season of ¹ Impact	Bloom ¹ Color	Bloom ² Days	Bloom ² Time	
‘White Cascade’	yellow	None - scab ravaged	white	14.2	M	true weeper
<i>M. zumi</i> ‘Calocarpa’	bright red	late Aug. to mid-Dec.	white	12.2	L	rounded spreader

* Denotes crabapple selections for which there are only two years (1996-1998) of observations.

¹ Season of fruit impact derived from biweekly observations from 1995-1998 only. Effective fruit impact is defined as the period from when the tree’s fruit first contributes to tree aesthetics until the fruit is no longer ornamental.

² Bloom days and bloom time are derived from daily observations from April-May in 1995-1997 only. For bloom time, E (Early) = onset of first bloom in April; M (Mid-season) = onset of first bloom in first week of May; and L (Late) = onset of first bloom in second week of May. Bloom days are defined as starting with the emergence of the first flower and ending when overall flower effect was no longer ornamental.

³ Scab and aesthetic ratings are from 1993-1998 unless a “*” is present by the crabapple name which denotes there is only data from two years (1996-1998) of observations.

Scab Rating Scale

None = No scab noted.

Trace = A few leaves affected; no negative effect on aesthetics.

Minor = 20%–50% of leaves affected; significant defoliation and/or leaf yellowing; negative effect on aesthetics.

Major = 50%–90% of leaves affected; severe defoliation and discoloration of leaves; almost complete negation of any aesthetic effect.



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Scab ³	Aesthetic Rating ³ 93–98 Avg.	Comments	
		☺ : positive aspects	☹ : negative aspects
major	3.0	☺ : exquisite flower display on cascading branches; appealing weeping form;	☹ : dingy summer appearance due to extensive fruit and foliage scab.
trace	3.0	☺ : reliable fruit/flower display; abundant tiny red fruits; excellent floral show; nice tree form;	☹ : shriveled fruits; lacks winter appeal.

Aesthetic Rating Scale

Ratings include flower, foliage, form, and fruit characteristics, and effects of disease and pest problems. The rating system is as follows:

- 1 = Exceptionally ornamental crabapple. Based on outstanding flower, foliage, fruit, or form at time of rating.
- 2 = Highly ornamental crabapple. Good flower, foliage, fruit, or form at time of rating.
- 3 = Adequate as a landscape crabapple. Not highly ornamental at time of rating.
- 4 = Substandard as an ornamental crabapple at time of rating.
- 5 = Ornementally unacceptable as a landscape crabapple at time of rating. Not recommended for use in the landscape.