

Awesome ASTERS The best ones have strong habits

and disease resistance, and they end the season with a bang

BY RICHARD HAWKE

hat would autumn be like without asters? Boring, that's what. Thankfully, I live in a place with a plethora of native asters that dot and decorate roadsides, fields, woodlands, and wild spaces. Their ubiquitous nature sometimes saddles them with the reputation of looking too wild, and while you might get your fix of asters from these borrowed landscapes, I wouldn't want to be without their cheery flowers in my garden, as well. Asters mark the changing seasons in a pageant of colors, blending beautifully with an assortment of grasses and other lateshowing perennials.

Aster (the Greek word for "star") is so-named for the starburst effect of its daisylike flowers, but I like to think that its stellar floral show has something to do with it, too. The botanical name of this autumnal star has changed from the simplicity of Aster to tongue twisters such as Doellengeria, Eurybia, and Symphyotrichum confounding gardeners and professionals alike. Complicating matters a bit, the new names have not been universally embraced; the Royal Horticultural Society, for one, has not yet adopted the changes, but many botanical gardens, native-plant societies, and nurseries have already made the switch. Possibly more important than knowing the Latin name of a given plant is knowing if it is, in fact, a "star" or one of the many asters that, instead, become a diseaseinfested mess by midseason.

'Jindai' Tatarian aster)



At a glance

USDA HARDINESS ZONES: 4 to 8

CONDITIONS: Full sun to partial shade; moderately fertile, moist, well-drained soil

SEASON: Flowers appear from late summer through fall.

PROPAGATION: Divide in spring, every two to three years.

PESTS: Verticillium wilt, gray mold, powdery mildew, rusts, white smut, aster yellows, and many fungal leaf spots and stem cankers. Also prone to rosy blister gall, aphids, mites, slugs, snails, and nematodes.



'Wartburgstern' East Indies aster



'Snow Flurry' white heath aster

TRIAL PARAMETERS

How many: Since 2003, the Chicago Botanic Garden has evaluated 145 different asters in our com parative trials.

How long: A minimum of six vears Zone: 5b

Conditions: Full sun to full shade; alkaline clay-loam, well drained soil Care: Minimal.

allowing plants to hrive or fail under natural conditions

Ornamental traits; growth and adaptation to environmenta and soil condiions: disease o pest problems; plant injury or



'Ravdon's Favorite' aromatic aster



'Eastern Star' white wood aster

Without flowers, 'Jindai' Tatarian aster (Aster tataricus 'Jindai', to undulate across the ground, reaching nearly 4 feet wide but only 8 inches tall. 'Snow Flurry' makes a superb ground photo, pp. 30–31) might be difficult to peg as an aster. Coarse basal leaves, nearly 2 feet long, look like those of horseradish or cover or edging plant, but it is utter perfection cascading over the edge of a wall or a container. No description of the diminutobacco. Flowering stems begin to grow in midsummer, eventu-

ally reaching up to 4 feet tall-that's a good 2 to 3 feet shorter than the species. Come autumn, its lineage is no longer in doubt: Clusters of pretty violet-blue-and-yellow flowers bloom well into late fall and sometimes even early winter. The species has a reputation for spreading widely, and even though 'Jindai' makes a sizable patch in a few years, I have not found it to be a thug. Bold-textured 'Jindai' pairs well with small-leaved asters or any ornamental grass, be it short or tall.

One of the heartbreaks of our trial was the lack of success in overwintering any cultivars of Frikart's daisy (Aster \times frikartii); they all balked at our wet winter soils. Luckily, we found that 'Wartburgstern' East Indies aster (Aster tongolensis 'Wartburgstern', top left photo, p. 32) is a hardy substitute. Vibrant, violet-blue flowers with bright orange centers hover 20 inches above the low mat of dark green leaves, which remain attractive all summer. Although 'Wartburgstern' (or 'Wartburg Star', as it is often called) is described as blooming all summer, we saw flowers for only about a month from early to midsummer. Sure, the shorter bloom period was disappointing, but that only made the flowers all the more precious.

The low mounding habit of 'Snow Flurry' white heath aster (Symphyotrichum ericoides 'Snow Flurry', bottom left photo, p. 32) sets it apart from other asters. Its arching stems seem

'Kylie' aster

Asters mark the changing seasons in a pageant of colors, blending beautifully with an assortment of grasses and other lateshowing perennials.

tive flowers can do justice to the actual show: A veritable snowstorm of white flowers blanket the stems in autumn. The tiny linear leaves are more reminiscent of heaths (Erica spp. and cvs., Zones 5-11) than of asters. 'Snow Flurry' is also tolerant of dry conditions.

'Raydon's Favorite' aromatic aster

(Symphyotrichum oblongifolium 'Raydon's Favorite', right photo, p. 32) was fairly uncommon when we planted it but quickly became a perennial favorite in our trial. The plant is loaded with blue-purple

flowers that keep appearing for a long time; in fact, the plant is so eager to get going that precocious blossoms pop up for several weeks before blooming begins in earnest in midsummer. A billowy habit gives 'Raydon's Favorite' an informal look that suits it to mass plantings and naturalizing. Aromatic asters are better alternatives to New England asters (Symphyotrichum novae-angliae) because they are more resistant to powdery mildew. I think aromatic aster will play an important role in future plant breeding for disease-resistant cultivars and hybrids.

'Eastern Star' white wood aster (Eurybia divaricata 'Eastern Star', photo, top left) is one of the few asters that grows well in shady gardens, although some morning sun enhances its floral display. From midsummer on, smallish white flowers with vellow centers are borne aplenty on wiry, dark burgundy stems over dark green leaves. You can expect an upright mounded

TOP PERFORMERS that are worth a second look



'Doktor Otto Petschek' Italian aster



'Lady in Black' calico aster

SOURCES

- The following mail-order plant sellers offer many of the asters featured:
- Far Reaches Farm, Port Townsend, Wash.; 360-385-5114; farreachesfarm.com
- Joy Creek Nursery, Scappoose, Ore.; 503-543-7474; joycreek.com
- Lazy S'S Farm Nursery, 2360 Spotswood Trail, Barboursville, VA 22923; lazyssfarm.com
- Stokes Seeds, Buffalo, N.Y.; 800-396-9238; stokeseeds.com

habit, similar to the species, but the cultivar 'Eastern Star' features larger flowers and darker green leaves. Its arching stems were a bit more recumbent, too, especially when weighed down with flowers. White wood aster is particularly fetching in large drifts in high-shade landscapes.

It was a friend who told me that **'Kylie' aster** (*Symphyotrichum* 'Kylie', right photo, p. 33), a hybrid of New England aster and heath aster, was a must-have for my trial. 'Kylie' seems to have gotten the best of both parents, with narrow, dark green leaves—free of rust and mildew—and a robust clumping habit. To be honest, the healthy foliage was quickly forgotten by autumn, when 'Kylie' turned into a soft pink cloud with scores of small semidouble flowers crowding the tops of the erect stems. Every year, 'Kylie' got both the butterfly vote and mine, proving that sometimes it pays to take a friend's advice.

My first impression of **'Doktor Otto Petschek' Italian aster** (*Aster amellus* 'Doktor Otto Petschek', photo, top left) as just another lavender-flowered aster was way off—as was the notion that it was named after a Bond villain. Flowers by the hundreds cloaked this compact clumper for weeks every fall, looking stunning and remaining healthy when many other asters were shabby or floppy. 'Doktor Otto Petschek' delivered year after year and is clearly a great disease-resistant alternative to New England and New York asters (*Symphyotrichum novi-belgii*). Italian asters, in general, like a lot of sun and need good drainage to stay healthy; cool nighttime temperatures are also preferred.

'Lady in Black' calico aster (*Symphyotrichum lateriflorum* 'Lady in Black', photo, bottom left) has a graceful profile with thin, wiry stems that arch out and over the large bushy plant. Sprays of white blossoms, just shy of half an inch across, cover the upper side of the horizontal branches in late summer. It's hard not to get excited when the new leaves emerge bronze and then, amazingly, remain a strong purple all summer (full sun is essential to get the best color). Calico aster gets its name because the yellow disks at the center of the flowers change to purplish pink as they age—a pleasing color echo with the purple leaves of 'Lady in Black'. While calico asters were untroubled by mildew, rabbits were harder to keep at bay.

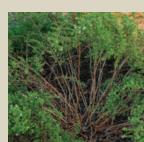
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BASICS

Asters, in a nutshell

There are roughly 250 species of asters that are native to North America, Europe, and Asia. Although fairly ubiquitous, they are not without their challenges.

 Division keeps plants healthy
 Fast growers, such as New England aster, New York aster, calico aster, and flat-topped aster (*Doellingeria umbellata*), benefit from crown division every few years in early spring or autumn to rein-vigorate the plants and keep



plants will die out in the centers (photo, above).

A new enemy is on the loose

them shapely. If left alone, the

Chrysanthemum lace bug (*Corythucha marmorata*), which became a problem in our trial in just the past few years, sucks nutrients from aster leaves, turning them sickly and off-colored (photo, right). Severely infested plants drop most of their leaves and sometimes don't recover. Only



chemical controls, unfortunately, seem to be effective in combatting these pests.

Shade isn't necessarily an issue

Asters generally grow best in moist, well-drained soils with plenty of sunlight. Woodland asters, such as blue wood aster (*Symphyotrichum cordifolium*), Drummond's aster (*S. drummondii*), white wood aster (*Eurybia divaricata*), and bigleaf aster (*E. macrophylla*), tolerate deep shade but will produce the best flower displays with some morning sun.

Stake 'em or shear 'em

Tall asters might need staking, especially in shady or windy sites, but can be sheared to half their height in early to late spring to keep them shorter. Deadheading, while not required, will reduce unwanted seedlings.

Want disease-free plants? Stay away from New England and New York
Powdery mildew and rust (photo, right) are potentially devastating diseases on some asters—marring leaves and sapping plant energy. Affected plants might drop their leaves, have reduced flower pro-



duction, and just look shabby. Cultivars of New England aster were more troubled by powdery mildew in our trial, whereas cultivars and hybrids of New York aster were rarely rust-free.

UP-AND-COMERS to check out



'Arrested Development' aster (Aster 'Arrested Development') is a new introduction noted for its short size. I've enjoyed its deep lavender-blue flowers whenever I can catch it in bloom-I have to be one step ahead of the rabbits, though. It touts an early-fall bloom date, a fact that we observed for the past two years, when as if on cue, the flowers opened on September 18. It is ironic that rabbits kept nibbling at the tips, thus arresting its development even further. Our plants topped out at 9 inches tall and 15 inches wide due to repeated browsing, but 'Arrested Development' should reach a bushy 12 to 15 inches tall and widewithout competition, of course.



'Bridal Veil'

aster (Symphyotrichum 'Bridal Veil') has its origin at the Chicago Botanic Garden; it was selected from a cross between 'Snow Flurry' and an unknown aster. 'Bridal Veil has upwardarching stems that ultimately turn pendulous, developing a graceful weeping



habit as the season progresses. Living up to its name, the fine-textured, cascading stems are thick with ½-inch-diameter white flowers from early fall on. At 40 inches tall and 68 inches wide, 'Bridal Veil' takes up some space, but its organic habit is worth it. Add mildew resistance as well as drought and salt tolerance to the mix and 'Bridal Veil' is perfect for both urban and naturalistic gardens.

We all know that fall is the time of asters but 'Napsbury' East Indies aster (Aster tongolensis 'Napsbury') didn't get the memo. Pretty lavender-and-orange flowers, 21/2 inches across, rise above rosettes of dark green leaves for a month. starting in early summer. East Indies asters like relatively fertile, moist soils with good



drainage, and will soak up all the sun you give them but won't mind a bit of shade, too. At 14 inches tall and 20 inches wide, place 'Napsbury' right at the front of the border to enjoy its fleeting summer show to the fullest.

Given our affinity for 'Raydon's Favorite', we naturally had high expectations for **'Raydon's Birthday Pink' aromatic aster** (*Symphyotrichum oblongifolium* 'Raydon's Birthday Pink'), and it did not disappoint. The first precocious flowers showed up in late

summer, as if they just couldn't wait for the party to begin. An exceptional display of light pink flowers, 1½ inches across, could be counted on from early to midfall. 'Raydon's Birthday Pink' formed robust bushy mounds up to 32 inches tall and a whopping 84 inches wide, outpacing 'Raydon's Favorite' by 30 inches. Mildew was no issue, but plants were minimally infested with lace bugs.

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		TRIAL	RESUL	ST .		Flower	Mildew	Birst	
Kating	wame	Height	Width	Flower color	Flower size (dia.)	production	resistance	resistance	
* * *	Aster ameilus 'Doktor Otto Petschek' Aster frikartii 'Mönch'	20 in. 22 in.	36 in. 32 in.	Lavender Lavender-blue	1½ IN. 2 in.	Heavy Moderate	Excellent	Excellent Poor	
	frikartii 'V	23 in.	32 in.	Lavender-blue	2 in.	Low	Excellent		E +
* * *	Aster tataricus 'Jindai'	40 in.	32 in.	Violet-blue	1 in.	Heavy	Excellent	ent	**** EXCEIIC *** Good
* * *	Aster tongolensis 'Wartburgstern' Doellingeria umbellata	20 in. 60 in.	24 in. 55 in.	Violet-blue White	2 in. ½ in.	Moderate Heavy	Excellent	Good Excellent	** Fair
* * * *	divaricata	24 in.	46 in.	White	3⁄4 in.	Неаvy	Excellent	Excellent	× ruur { Double-flower
* * * *	Eurybia divaricata 'Eastern Star' Eurybia macrophylla	21 in. 49 in.	36 in. 36 in.	White Light purple	1¼ in. 1½ in.	Heavy	Excellent	Excellent Very poor	form
* *	Symphyotrichum 'Bill's Big Blue'	58 in.	52 in.	Lavender-blue	1 in.	Low	Good	Excellent	
* * *		49 in.	62 in.	White	5% in.	Heavy	Excellent	Excellent	4
* *	Symphyotrichum 'Cassie' Symphyotrichum 'Celeste'	36 in. 35 in.	30 in. 28 in.	Light purple Violet	1½ In.	Moderate	Fair Excellent	Excellent Verv poor	
*	Symphyotrichum 'Coombe Fishacre'	34 in.	34 in.	Pink	¾ in.	Low	Very poor	Excellent	
***		46 in.		Pale pink	3⁄4 in.	Неаvy	Excellent	Excellent	
*	Symphyotrichum 'Lilac Blue Admiral'	39 in.	34 in.	Lavender	¾ in.		Good	Very poor	
* *	Symphyotrichum 'Melody' Symphyotrichum 'Milka'	27 in. 36 in	24 in. 28 in	Lavender	1½ in. 1 in	Moderate	Very poor	Very poor Fair	
* *	Symphyotrichum 'Miss Bessie'	59 in.		Lavender	1 in.	N/A	Good	Good	1
**	Symphyotrichum 'Ochtendgloren'	40 in.	40 in.	Purple-pink	3⁄4 in.	Moderate	Excellent	Very poor	
*	Symphyotrichum 'Red Star'	15 in.	21 in.	Magenta	1½ in.	Low	Very poor	Poor	
* +	Symphyotrichum 'White Climax'	50 in.	36 in.	White	1¼ in. 3⁄ in	Moderate	Poor	Excellent	
* *	Symphyoticitain cordination local Symphyotrichum drummondii var. drummondii	49 in.	45 in.	Lavenuer Lavender-blue	%4 III. 3∕4 in.	Moderate	Good	Excellent	
*		33 in.	50 in.	Pale blue	½ in.	Неачу	Excellent	Very poor	
* * *	Symphyotrichum ericoides 'Erlkönig'	42 in.	56 in.	Pale lavender- blue	½ in.	Неаvy	Good	Good	
***	Symphyotrichum ericoides 'First Snow'	19 in.	40 in.	White	½ in.	Heavy	Excellent	Fair	ŕ
****	Symphyotrichum ericoides 'Snow Flurry'	8 in.	48 in.	White	% in.	Неаvy	Excellent	Excellent	
* +	Symphyotrichum laeve 'Bluebird' Symphyotrichum laeve 'Calliona'	49 in.		Violet-blue	1 in. 136 in	Moderate	Excellent	Good Veny poor	
****	Symphyoticitatin acve Camope Symphyotichum lateriflorum	39 in.		White	% in.	Heavy	Excellent	Excellent	
	Symphyotrichum lateriflorum 'Lady in Black'	34 in.		White	½ in.	Heavy	Excellent	Excellent	
* * *	Symphyotrichum lateriflorum 'Lovely'	25 in.	26 in.	Pale purple	% in.	Moderate	Excellent	Excellent	f
× *		52 in.	49 in.	Cerise-pink { Purple-pink	1½ in.	Moderate	Fair	Excellent	
* *	novae-angliae 'Barr's Blue'	55 in.	68 in.		1½ in.	Heavy	Poor	Excellent	i i
* * *	Symphyotrichum novae-angliae 'Harrington's Pink'	60 in.	50 in.	Rosy pink	1¼ in.	Неаvy	Fair	Excellent	
*	Symphyotrichum novae-angliae 'Hella Lacy'	34 in.	48 in.	Light violet-blue	1 in.	Low	Very poor	Excellent	
* * *	novae-angliae	59 in.	40 in.	Deep pink	1½ in.	Heavy	Fair	Excellent	Ó
*	Symphyotrichum novae-angliae 'Mrs. S. T. Wright'	49 in.	53 in.	Purple {	2¼ in.	Moderate	Poor	Excellent	
* *	Symphyotrichum novae-angliae 'Purple Dome' Symphyotrichum novae-andiae 'Treasure'	16 in. 64 in	24 in. 38 in	Violet-purple Purple	1½ in. 2 in	Heavy	Poor	Excellent	
* *	novae-	64 in.	54 in.	White	2 13⁄4 in.	Heavy	Poor	Excellent	I
* •	Symphyotrichum novi-belgii 'Alice Haslem'	12 in.		Light red	1½ in.	Heavy	Very poor	Excellent	3
× *	sympnyorrichum novi-beigii biaubox Symphyotrichum novi-beigii 'Blue Lagoon'	20 IN. 19 in.	28 in.	Violet-blue	1 ½ III.	Heavy	Excellent	Very poor	
* *	mphyotrichum novi-belgii 'Blue L	55 in.	i.	Violet-blue	1 in.	Low	Excellent	Very poor	
* -	Symphyotrichum novi-belgii 'Boningale White'	21 in.	21 in.	White {	2 in.	Low	Very poor	Excellent	たいの
* *	Symphyotrichum novi-beigii "butterny blue Symphyotrichum novi-belgii "Choristers"	32 In. 64 in.	75 in.	White	% In. ½ in.	Heavy	very poor Excellent	Poor	
* * *	Symphyotrichum novi-belgii 'Climax'	46 in.	40 in.	Lavender-blue	1¼ in.	Heavy	Excellent	Excellent	
* *	Symphyotrichum novi-belgii 'Daniela' Symphyotrichum novi-belgii 'Freda Ballard'	12 in. 20 in.	24 in. 18 in.	Purple {	11⁄4 in. 11⁄4 in.	Low	Excellent	Very poor Excellent	3
*		36 in.		Violet-blue {	1½ in.	Heavy	Poor	Very poor	Ą
* -	novi-belgii	14 in.		Purple-red {	11/2 in.	Low	Excellent	Very poor	
* *	Symphyorrichum novi-beigii Nesappnire Sappnire Symphyotrichum novi-belgii 'Lady in Blue'	24 In. 14 in.	30 in.	vivia violet Lavender-blue	1 ½ In.	Low	Excellent	Very poor	
*	Symphyotrichum novi-belgii 'Marie Ballard'	32 in.	20 in.	Lavender-blue {	1¾ in.	Low	Poor	Fair	
* *	Symphyotrichum novi-belgii 'Mariore' Symphyotrichum novi-belgii 'Porzellan'	18 in. 62 in	30 in.	Pink Licht nurole	1¼ in. 1½ in	Heavy	Very poor Good	Very poor	
< *	Symphyotrichum novi-belgii Professor Anton Kippenberg'	11 in.		Lavender-blue	1 in.	Low	Excellent	Very poor	
* * *		12 in.		Purple-pink	1¼ in.	Heavy	Excellent	Excellent	
**	novi-belgii	10 in.	16 in.	White	1 i.	Moderate	Excellent	Good	
× *	Symphyotrichum novi-beigii Violet Carper Symphyotrichum novi-belgii 'White Swan'	9 In. 36 in.	30 IN. 28 in.	Violet-blue White {	1 In. 1½ in.	Moderate	Very poor	Excellent	ŝ
* *	Symphyotrichum novi-belgii 'Wood's Blue'	11 in.		Lavender-blue	1½ in.	Low	Good	Excellent	1
* *	novi-belgii	a in.	24 in.	Light blue	1 in.	Heavy	Excellent	Excellent	
***	Symphyourchum novi-beigir wood's Furple Symphyotrichum oblongifolium	9 m. 36 in.	40 in.	rurpie Lavender-blue	1 ½ In. 1½ in.	Moderate	Excellent	Excellent	
	Symphyotrichum oblongifolium 'Fanny's Aster'	47 in.	40 in.	Light purple	11⁄4 in.	Moderate	Good	Excellent	3
* * *	Symphyotrichum oblongifolium 'October Skies' Symphyotrichum oblongifolium 'Raydon's Favorite'	35 in. 38 in.	50 in. 53 in.	Lavender-blue Blue-purple	1¼ in. 1¼ in.	Moderate Heavy	Fair Excellent	Excellent	
* * *		35 in.	65 in.	Lavender-blue	1¼ in.	Moderate	Excellent	Excellent	
* *	Symphyotrichum oolentangiense Symphyotrichum sericeum	45 in. 22 in.	28 in. 32 in.	Lavender Purple-blue	1 in. 1½ in.	Low	Fair Excellent	Excellent	l
* * *	Symphyotrichum turbinellum	58 in.	56 in.	Violet-blue	1¼ in.	Heavy	Good	Excellent	
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