

From the Desk of Tom Kimmel

To Our Esteemed Customers:

I was going to write my usual introduction, fishing for compliments, complaining slightly about life and how tough it is, whining about why our landscaper customers are not working day and night planting more of our plants, and then, in an unwarranted fit of optimism, I asked our sales personages what they recommended for me to write. And their recommendations were pretty much the polar opposite of my natural tendencies. They used the words: Sweetness and Light and Pleasantness and Love. And so, after a few days of mulling that over, I am going with that theme. After all, no one wants to hear about my personal psychological problems, I have found out to my great disappointment, and everyone wants to feel loved, and if telling people we love them will get them to send me their money, then that is a fair exchange.

We had our best sales year ever in 2021 and are all geared up for the same in 2022. As you may have noticed, we did not raise our prices in the middle of last year, and we do not plan on raising them in the middle of this next year. As you will also shortly notice, while leafing through this catalog/price list, we have factored in estimated bouts of inflation. If we were really good at predicting future economic trends we would be doing that for a living and not getting our hands dirty in a business of this level of complexity, so we are amateurs in that area.

Our goal is to keep our work force in place. It is a large, stable, experienced and well-behaved work force, one attractive to every other nursery, landscaper, and factory owner in our area. We have resolved to meet the competition and pay them whatever it takes, hence the price increases. We are concentrating on groundcover as that is our tradition. It is also the easiest thing to ship. Best of all it does not bloom so we do not have to worry about that problem—having it look good all of the time. We are slowing our ivy (Hedera helix 'Thorndale') production way down and the reasons are too complex to explain here. Laws in our adjoining states are slowing down sales of Euonymous f. coloratus but, in the interim, we are hesitant to miss a potential sale. Everything is being replaced with the Carexes (Sedges to the normal people) which look like clumps of green grass. We hear that it is the latest hot plant and we are about ready to flood the market.

We like custom grow orders. We like to sell liners—mostly 38 cell paks, but also Deep Fifties and 2 ½" SVDs—and will produce everything that we are already growing or have cutting beds of in the field. We are pretty good at finding the hard-to-find new-and-improved plants. The sooner you give us a heads up the better. Our sales personages have a little spare time in the winter to do this research. In the spring and summer they are busy booking orders and coordinating shipping.

We are very proud of our shipping department and how they deliver reliably and cheerfully. Everyone on our staff understands that if we cannot get it shipped on time and in good shape, then it does not matter what we have. Dianne and I have explained this enough times that it is now well understood.

Keep working, and remember. Peace. Love, and Understanding.



tkimmel@twixwood.com

Vom Kunne

P.O. Box 247 Berrien Springs, MI 49103 (269) 471-7408

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Front Cover: Schizachyrium scoparium, 2022 PPA Perennial Plant of the Year®



Above: Shawnee, Main Farm (24 acres)

Aerial Photos of Twixwood Nursery



Above: Shawnee South (95 acres)

Left: T-North Farm (87 acres)

Below: Hillcrest, Original Farm (33 acres)



Groundcovers

RECOMMENDED PLANT SPACING:

Spacing	Common plant sizes	Square feet per
-	-	<u>plant</u>
6" centers	32ct.	.25 sq. ft.
8" centers	32ct.	.44 sq. ft.
10" centers	32ct., 24ct., 18ct.	.69 sq. ft.
12" centers	32ct., 24ct., 18ct., 10ct.	1.00 sq. ft.
15" centers	18 ct., 10ct.	1.56 sq. ft.
18" centers	#1 container	2.25 sq. ft.
24" centers	#1 container	4.00 sq. ft.

Generally, groundcover plants are spaced 6-12" apart. The distance between the plants is based on the size of the plants used, the expected growth rate, and the budget that the installer has to work with.

sq. ft. of job \div sq. ft. per plant = number of plants required

Example: 1,000 square feet using 32ct flats planted on 6" centers 1,000 sq. ft. \div .25 = 4,000 plants \div 32 = 125 flats

Ajuga Zone Varies

Bugleweed, Dwarf Bugleweed

Forms a dense mat that covers a large area quickly. The flower spikes contain numerous bugle-shaped flowers that are bluish-purple. Needs at least moderate moisture.

	Foliage			
'Chocolate Chip'	chocolate	2-4"	Z 4	May-Jun
reptans 'Black Scallop' (PP# 15,8	dk maroon purple	4-6"	Z 4	Apr-May
r. 'Bronze Beauty'	bronze	4-6"	Z 3	Apr-May
r. 'Burgundy Glow'	burgundy/white/green	4-6"	Z 3	Apr-May
r. 'Catlin's Giant'	purple	10"	Z 3	May
22.4	04 (20 00/0 4)			

 32ct
 .94 (30.08/flat)

 32ct Plug
 .94 (30.08/flat)

 24ct Standard
 1.35 (32.40/flat)

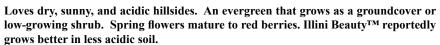
 10ct
 2.25 (22.50/flat)

 #1 container
 5.70

All varieties are not maintained in all sizes, but can be grown upon request.

Arctostaphylos Zone 2-6

Bearberry, Kinnikinnick



Illini BeautyTM (uva-ursi 'Morton', PPAF) white w/ pink 6-12" May-Jun

Not available at this time due to crop losses.

Asarum Zone 3-8

Canadian Wild Ginger



Canadian Wild Ginger makes a gorgeous woodland groundcover and prefers an acidic, moisture-retentive soil. The large, herbaceous, gray-green leaves are somewhat fuzzy.

canadense brownish red 6-12" Apr

Carex - See Grasses Section

Carexes, commonly called Sedges, are becoming increasingly popular as groundcovers and lawn alternatives. Twixwood offers many of these grass-like plants. See our <u>Grasses Section</u> for the complete list.

Ceratostigma Zone 5-9

Plumbago, Leadwort



Intense clusters of peacock-blue flowers cover this vigorous, mat-forming groundcover over a long period of time. In fall, foliage turns deep mahogany while the flowers keep opening for a beautiful contrast. Best color is in full sun.

plumbaginoides	blue	8"	Jul-Sep
32ct	. 1.38 (44.16/flat)		
10ct	. 2.60 (26.00/flat)		
#1 container	6.30		

Convallaria Zone 3-8

Lily-of-the-Valley



Intoxicatingly fragrant, bell-shaped flowers that are excellent as cut flowers. Lily-ofthe-Valley is hardy, trouble-free, and long-lived. Makes a superb groundcover under trees and shrubs, where aggressive spread is needed.

majalis	white	6-8"	May-Jun
32ct	. 1.38 (44.16/flat)		
10ct	. 2.60 (26.00/flat)		
#1 container	. 6.30		

Dianthus - See Perennials Section

Many *Dianthus* species make excellent groundcovers especially in rock gardens and miniature settings. Check out our <u>Perennials Section</u> for a complete list.

Euonymus	Zone 4-10
Luonymus	Zone i io

Wintercreeper, Purple Leaf Wintercreeper



Euonymus is a hardy evergreen spreader that is great for erosion control. Foliage turns purple in the fall. <u>Not available for sale to Indiana.</u>

fortunei 'Coloratus'	dark green foliage	6-18"	evergreen
32ct	.87 (27.84/flat)		
32ct Peat	.87 (27.84/flat)		
32ct Plug	.87 (27.84/flat)		
24ct Standard 1	.21 (29.04/flat)		
10ct2	.05 (20.50/flat)		
#1 container 5	.10		

Ganum			Zone 4-8
Sweet Woodruff, Bedstraw			00
classified as Asperula odor	s groundcovers for a partially shade rata. Vigorous and hardy, the myria wer lovely green foliage. Prefers a li	d of small w	hite flowers
odoratum	white	6"	May-Jun
72ct	1.38 (44.16/flat) 1.38 (44.16/flat) 2.07 (49.68/flat) 2.60 (26.00/flat) 6.30		
Geum fragarioides - Se	e <u>Waldsteinia</u>		
Hedera			Zone 5-9
Hardy English Ivy			00
• 0 . 0.	evergreen groundcover for shade to ining climber. Does not like heavy, w	•	le locations.
helix 'Thorndale'	deep green foliage	6"	evergreen
Only limited availability at this ti	me.		
Isotoma			Zone 5-10
Blue Star Creeper			00
• • •	groundcover with small green leaves te flowers. Can handle heavy foot tr		e completely
fluviatilis	blue	2-3"	Jun-Aug
72ct	94 (30.08/flat) 94 (30.08/flat)		
Leptinella			Zone 6-10
Black Brass Buttons			00
_	ative to New Zealand with soft fern-l re insignificant. Can handle moderat	_	
'Platt's Black'	yellow	3"	Jun-Jul
10ct	2.25 (22.50/flat)		

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Liriope Zone Varies

Lily Turf



Dense spikes of lavender flowers above foliage. Useful in borders and mass plantings. Prefers some shade, but is full-sun tolerant. 'Big Blue' and the other members of the *muscari* species have a mounding habit, while the *spicata* species are more spreading. ONLY the *spicata* species is hardy into northern Illinois and central Wisconsin.

spicata (spreading)

spicata	lilac	9-18"	Z4	Jul-Aug
32ct	1.38 (44.16/flat)			
32ct Plug	1.38 (44.16/flat)			
10ct	2.60 (26.00/flat)			
#1 container	6.30			
muscari (mounding)				
m. 'Big Blue'	lavender	12-18"	Z6	Jul-Aug
m. 'Silvery Sunproof'	mauve	10-15"	Z 6	Jul-Aug
32ct	1.65 (52.80/flat)			
10ct	3.25 (32.50/flat)			

Lysimachia Zone Varies

Moneywort, Creeping Jenny



A mat-forming, creeping, deciduous groundcover for moist to wet areas. Bright yellow foliage in full sun, lime green in shade. Does best with at least part sun. Zone 3 hardy.

nummularia 'Aurea'	yellow	2"	Z3	Jun-Aug
72ct	.70 (50.40/flat)			
32ct	.94 (30.08/flat)			
24ct Standard	1.35 (32.40/flat)			
10ct	2.25 (22.50/flat)			

'Firefly' and 'Night Light' prefer shaded areas and can be used as accent plants or groundcovers. Not aggressive but can be trimmed as needed. Continuous, bright yellow flowers from spring until frost. Burgundy foliage will tolerate light frosts, root hardy to Zone 5.

congestiflora 'Firefly' PPAF	yellow	6-8"	Z 5	May-Sep
alfredii 'Night Light' PPAF	yellow	10-12"	Z5	May-Sep

#1 container..... 6.30

Mazus Zone 4-9

Mazus



A miniature groundcover that forms a bright green, fast spreading mat which is covered with blooms in the spring. Tolerates moderate foot traffic.

reptans 'Alba' r. 'Purple'	white purple	2" 2"	May May
72ct			
32ct Plug			
10ct	2.25 (22.50/flat)		

All varieties are not maintained in all sizes, but can be grown upon request.

Pachysandra

Zone 5-9

Japanese Spurge



A very popular, low maintenance, and hardy evergreen groundcover for shady areas. Does not like heavy, wet soils. 'Green Carpet' is an improved cultivar of the straight terminalis species. It is hardier, more compact, more uniform in height, and glossier green in color.

terminalis 'Green Carpet'	white	8"	May
32ct	.80 (25.60/flat)		
32ct Peat	.80 (25.60/flat)		
32ct Plug	.80 (25.60/flat)		
24ct Standard	1.11 (26.64/flat)		
10ct	1.90 (19.00/flat)		
#1 container	4.85		

Please see our <u>Information Section</u> towards the end of the catalog regarding Boxwood Blight and its relation to Pachysandra. Twixwood may not accept refused/returned Pachysandra.

Phlox Zone 3-9

Creeping Phlox



Traditional and indispensable groundcover for use in virtually any landscape situation. Creeping Phlox likes a well-drained, neutral soil.

subulata 'Amazing Grace'	white w/maroon eye	4-6"	Apr-May
s. 'Blue Emerald'	blue	4-6"	Apr-May
s. 'Drummons Pink'	deep pink	4-6"	Apr-May
s. 'Perfectly Puzzling' (PP# 31,487)	white, pink, dark violet	4-6"	Apr-May
s. 'Purple Beauty'	purple	4-6"	Apr-May
32ct 1.38 (44.16/s	flat)		
10ct	flat)		
#1 container 6.30			

For Tall, Garden Phlox and the Intermediate, Chicagoland Grows® species, see the Perennials section.

Sagina Zone 4-9

Moss, Irish Moss, Scotch Moss



A miniature groundcover with tiny white flowers. The straight species is green and often called Irish Moss. 'Aurea' is yellow and often called Scotch Moss. Can handle heavy foot traffic.

Foliage Color | Flower Color

subulata	green white	2"	May
s. 'Aurea'	yellow white	2"	May
32ct	.38 (44.16/flat)		

Stonecrop



Succulent-type perennials that prefer sunny, hot areas in a loose soil with good drainage. *Sedum* are especially susceptible to variations in color, habit, height, etc. depending on growing conditions, light, temperature, etc. They may change color frequently throughout the season. For example, 'Angelina' can be pale yellow to green if grown in shade or overfertilized. In the heat of the summer it will be bright golden yellow. While in the cold or if stressed with too little water it will be dark orange with red highlights.

The Sedum genus is so large it is being subclassified or reclassified. As these come into general use, Twixwood will note them as alternate names. Other genus or subgenus names you will see include Hylotelephium, Petrosedum, Phedimus, Rhodiola, and Sinocrassula.

Creeping Groundcover Varieties

Creeping Groundcover varieties				
	Foliage Color Flower Color			
acre 'Aureum'	green yellow tips yellow	1-3"	Z4	Jun-Jul
album 'Coral Carpet'	coral-green-red white	3-6"	Z 4	May-Jun
a. 'Nerds'	green and red white	3-4"	Z 4	Jun-Aug
cauticola 'Lidakense'	blue green pink	3-6"	Z4	Jul-Sep
floriferum 'Bailey's Gold'	green yellow	3-6"	Z 4	Jun-Aug
(aka 'Weihenstephaner Gold' or S. kan	ntschaticum var. floriferum, etc.)			
kamtschaticum	green yellow	6-8"	Z 4	May-Jun
k. var. ellacombianum	green yellow	6-8"	Z4	May-Jun
rupestre 'Angelina' {Petrosedum}	yellow conifer like yellow	6-9"	Z4	Jun-Jul
(aka reflexum 'A.)				
r. 'Blue Spruce'	blue conifer like yellow	6-9"	Z 4	Jun-Jul
(aka reflexum 'B.) {Petrosedum}				
r. 'Making Progress'	dark green/red yellow	3-6"	Z 4	Jun-Aug
spurium 'Dragon's Blood'	green w/purple to red pink	3-6"	Z3	Aug-Sep
('Schorbuser Blut') {Phedimus}				
s. 'Elizabeth'	red tinged turns burgundy red	3-6"	Z3	May-Jul
(aka 'Red Carpet') {Phedimus}				
s. 'John Creech' {Phedimus}	green pink	1-3"	Z3	Aug-Sep
s. 'Tricolor' {Phedimus}	green w/white/pink pink	3-6"	Z3	May-Jul
s. 'Voodoo' {Phedimus}	dark maroon red rose red	3-6"	Z3	Aug-Sep
ternatum (Native)	green white	3-6"	Z 4	Apr-May
tetractinum 'Coral Reef'	green turn red pale pink	1-3"	Z 5	Jul-Aug
72ct	70 (50.40/flat)			
32ct	,			
24ct Standard 1.1				
10ct				
#1 container				

All varieties are not maintained in all sizes, but can be grown in these and other sizes upon request.

Continued on Next Page

Sedum ((continu	ed)

Upright & Specimen Varieties				
'Carl' {Hylotelephium}	gray-green magenta pink	16-18"	Z3	Aug-Sep
'Joyful'	green pink		Z 4	Jul-Oct
spectabile 'Autumn Fire' {Hylotelephium	a} gray-green rose pink	12-24"	Z4	Aug-Oct
s. 'Autumn Joy'	gray-green pink-red	18-24"	Z3	Aug-Oct
('Herbstfreude') {Hylotelephium}				
s. 'Neon' {Hylotelephium}	gray-green magenta	12-24"	Z3	Aug-Oct
38ct 1.25 (4	17.50/flat)			
#1 container 5.70	,			
Autumn Charm TM	blue grn w/wht edge pink	14-18"	Z3	Aug-Sep
('Lajos' PP# 14,421) {Hylotelephium}	0 0 11			
Autumn Delight TM	chartrse w/blue-grn pink	18-24"	Z 3	Aug-Sep
('Beka' PP# 18,398) {Hylotelephium}				
ellacombianum 'Cutting Edge'	grn w/yellow edge yellow	6-8"	Z 4	Jul-Aug
(PP# 28,926) {Phedimus}				
'Lime Joy' (PP# 32,135)	gray-green red	15"	Z4	Sep
'Matrona' {Hylotelephium}	gray-green, red stem pink	24-30"	Z3	Aug-Oct
'Peace & Joy' (PP# 30,858)	green magenta	12-14"	Z4	Sep
'Pillow Talk' (PP# 28,528) {Hylotelephium}		18-24"	Z3	Sep
'Plum Perfection'	grn to gray to plum white	6-8"	Z3	Jul-Sep
(PP# 22,690) {Hylotelephium}				
'Rock Star' (PP# 29,036)	gray-green pink	9-12"	Z4	Aug-Sep
sexangulare 'Yellowstone' (PP# 33,174)			Z4	Jun-Aug
'Sunset Boulevard' (PP# 32,697)	lime-green raspberry	18-24"	Z4	Aug-Sep
Sunsparkler® Series				
'Blue Elf' (x Sedoro)	steel blue dark pink	3-6"	Z3	Aug-Sep
(PP# 27,113) {Hylotelephium}	Blue Elf is an interspecies cross (or	ostachys x	sedun	1)
'Dazzleberry'	blue-gray raspberry pink	6-9"	Z 3	Aug-Sep
(PP# 22,457) {Hylotelephium}				
'Firecracker' (PP# 26,595) {Hylotelephium}	burgundy red pink	6"	Z4	Aug-Sep
'Jade Tuffet'	green w/ red stem pink	12-14"	Z 4	Aug-Sep
(PP# 28,090) {Hylotelephium}				0 1
38ct 1.60 (6	(0.80/flat) All varieties ar	e not mair	tainec	l in all sizes,
#1 container 6.30	but can be gro- upon request.	wn in thes	e and o	other sizes
D W DOCK NI CROWS	n Ci			
Proven Winners® ROCK 'N GROW®		20.24"	72	
'Back in Black' (PPAF)	near black red	20-24"	L 3	Aug-Sep
Mojave Jewels® Series				
'Diamond' (PPAF)	reddish green rosy pink	12-15"	Z3	Aug-Sep
'Ruby' (PPAF)	purplish black blood red	12-15"	Z3	Aug-Sep
'Sapphire' (PPAF)	blue baby pink	12-15"	Z3	Aug-Sep
#1 container 9.80	Continued o	n Next Pag	ge with	Field Stock

Sedum (continued) - Field Stock for Custom Grow

The *sedum* on these pages are not maintained in containers, however they are maintained in the field and can be custom grown upon request.

	Foliage Color Flower Co.	lor		
acre	green yellow	1-3"	Z4	Jun-Jul
a. 'Oktoberfest'	green creamy white	1-3"	Z4	Jun-Aug
aizoon {Phedimus}	green, red yellow	8-16"	Z5	Jun-Jul
a. 'Euphorbioides" (Phedimus)	green, red orange-yellow	12-16"	Z5	Jun-Aug
cauticola	blue green pink	3-6"	Z4	Jul-Sep
hybridum 'Czar's Gold'	evergreen w/red stems gol	d 4-6"	Z4	May-Jun
h. 'Immergrunchen'	evergreen yellow	3-6"	Z3	Jun-Jul
kamtschaticum 'Variegatum'	green w/cream yellow	6-10"	Z4	May-Jun
middendorfianum var. diffusum	green yellow	3-6"	Z4	Jun
(aka kamtschaticum var. middendorfianum)				
'Rosy Glow'	blue green ruby	6-9"	Z3	Aug-Sep
(aka 'Ruby Glow') {Hylotelephium}				
rupestre (aka reflexum) {Petrosedum}	reddish brown yellow	4-6"	Z4	Jun-Jul
sexangulare	green 6 spirals yellow	3-6"	Z3	Jun-Aug
s. 'Golddigger'	golden yellow	4-6"	Z4	Jun-Aug
s. 'Utah'	dark green yellow	4-6"	Z4	Jun-Aug
s. subsp. elatum	greener yellow	3-6"	Z4	Jun-Aug
sichotense	blue-green, red yellow	3-5"	Z4	Jun-Sep
spurium 'Bronze Carpet' {Phedimus}	bronze to green white	3-6"	Z3	May-Jul
s. 'Coccineum' (aka 'Splendens') {Phedimus}	green turn burgundy red	3-6"	Z4	May-Jul
s. 'Fuldaglut' {Phedimus}	maroon rose red	1-3"	Z4	Aug-Sep
s. 'Leningrad White' {Phedimus}	green white	1-3"	Z3	Aug-Sep
s. 'Red Rock' {Phedimus}	red deep pink	3-6"	Z3	Jul-Aug
'Sunset Cloud' {Hylotelephium}	purple, starts green red	6-12"	Z3	Aug-Sep
takesimense 'Golden Carpet' {Phedimus}	green yellow	6-8"	Z4	May-Jun
ternatum 'Larinem Park'	green white	3-6"	Z 4	Apr-May
'Thundercloud' (PP# 21,833)	pointed gray-green white	6-12"	Z3	Jul-Sep
{Hylotelephium}				
tschernokolevii	pentaploid var of sexangular	re 3-6"	Z 4	Jun-Aug
'Vera Jameson' {Hylotelephium}	blue grn magenta/scarlet	6-12"	Z3	Aug-Sep

Sun FernTM -	See A	Artemisia in	the Perennia	Is Section
Municin -	1700 /	ALICHHISIA III	LIIC I CICIIIIA	is occion

Teucrium	Zone 5-7
Spreading Germander	

A slow spreading, dense groundcover. Purplish-pink flowers reach 3" above foliage. 'Pride of Georgia' is a Chicagoland Grows® introduction from a Chicago Botanic Garden seed collection trip to the Republic of Georgia. Half of the royalties benefit the Institute of Botany at the Ilia State University, The Republic of Georgia.

May be late or limited availability

Thymus Zone Varies
Creeping Thyme

A very tough, low-growing mat that is ideal for use between flagstones. Carpeted with brightly colored flowers in summer over aromatic green foliage. Needs full sun and a well-drained soil. The *praecox* species is hardy to at least zone 4.

praecox 'Coccineum' red 2-4" **Z**4 May-Jul pseudolanuginosus (Woolly Thyme) mauve 2-4" Z_5 May-Jul **Z**5 May-Jul serpyllum 'Elfin' lavender-pink s. 'Pink Chintz' 2-4" **Z**5 May-Jul pink

 32ct
 1.38 (44.16/flat)

 32ct Plug
 1.38 (44.16/flat)

 24ct Standard
 2.07 (49.68/flat)

 10ct
 2.60 (26.00/flat)

All varieties are not maintained in all sizes, but can be grown upon request.

Veronica Zone 4-8
Speedwell

'Blue Yonder' has a light, mat forming habit, making it an excellent ground cover. Stems are almost black in color. 'Blue Sprite' is durable and drought tolerant with 6" flower spikes in early summer. See <u>Perennial Section</u> for more varieties.

'Blue Sprite' (PP# 29,581) violet-blue 1-5" Jun-Jul 'Blue Yonder' (PP# 27,284) violet-blue 4-6" May-Jun

All varieties are not maintained in all sizes, but can be grown in these and other sizes upon request.

Vinca

16 Groundcover

Periwinkle, Myrtle

An evergreen groundcover that is hard to beat for dry, shady areas under trees. Prefers

An evergreen groundcover that is hard to beat for dry, shady areas under trees. Prefers acidic soil and part shade. 'Bowles' is more clumping in habit and has more profuse flowering than the species. 'Dart's Blue' is similar to 'Bowles', but seems to be more disease resistant. 'Ralph Shugert' has variegated foliage.

minor 'Bowles'	blue	6-8"	May-Jun
m. 'Dart's Blue'	blue	6-8"	May-Jun
m. 'Ralph Shugert'	blue	6-8"	May-Jun
32ct	.87 (27.84/flat)		
32ct Peat	.87 (27.84/flat)		
32ct Plug	.87 (27.84/flat)		
24ct Standard	1.21 (29.04/flat)		
10ct	2.05 (20.50/flat)		
#1 container	5.10		

All varieties are not maintained in all sizes, but can be grown upon request.

Waldsteinia (Geum)	Native	Zone 4-7
D C/ 1		

Barren Strawberry

A dependable groundcover native to North America, sometimes called *Geum fragarioides*. Tolerates a wide range of soils and sun, but does best in moist soil with part shade. Buttercup-yellow flowers in late spring.

Phone: 269-471-7408

Zone 4-9

17 Grasses

Grasses and Grass-like Plants

RECOMMENDED PLANT SPACING:

Spacing	Common plant sizes	Square feet per
		<u>plant</u>
6" centers	32ct.	.25 sq. ft.
8" centers	32ct.	.44 sq. ft.
10" centers	32ct., 24ct., 18ct.	.69 sq. ft.
12" centers	32ct., 24ct., 18ct., 10ct.	1.00 sq. ft.
15" centers	18 ct., 10ct.	1.56 sq. ft.
18" centers	#1, #2, #3 container	2.25 sq. ft.
24" centers	#1, #2, #3 container	4.00 sq. ft.

Generally grasses are spaced 12-24" apart, sometimes farther for the larger varieties. The distance between the plants is based on the size of the plants used, the expected growth rate, and the budget that the installer has to work with.

sq. ft. of job \div sq. ft. per plant = number of plants required

Example: 1,000 square feet using 32ct flats planted on 6" centers 1,000 sq. ft. \div .25 = 4,000 plants \div 32 = 125 flats

Acorus

Golden Sweet Flag, Japanese Sweet Flag

Zone 5-9

C, 1	C		
Acorus makes an excellent growoods and ponds, and can eve	O .		ves edges of
gramineus 'Ogon'	yellow	6-12"	Jun-Jul
38ct 1	.25 (47.50/flat)		
Ammophila	Native		Zone 5-10
American Beach Grass, Dune G	rass, Marram Grass		$\overline{\circ}$
A leafy, spreading grass native monly found around Lake Mi regular foot traffic.	ichigan. Wind and salt toler	rant, but canno	t withstand
breviligulata	green	30"	Jul-Sep
50ct Deep 1 Other sizes can be grown upon request			
Andropogon			Zone 4-10
Big Bluestem			$\overline{\circ}$
The species is a native with lush the fall. 'Black Hawks', bred b cago, Illinois, features dark gre	y Brent Horvath of Intrinsic	Perennial Gard	lens in Chi-
gerardii 'Black Hawks' (PP# 27,94	green/purple to b	lack 60-72"	Sep-Nov

Other sizes can be grown upon request.

#1 container..... 7.40

'Dancing Wind' (PP# 26,892), 'Holy Smoke' (PPAF): Twixwood has started production of these cultivars. May have limited or late availability in 2022.

19 Grasses

Bouteloua N	ative	Zone Varies
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Grama Grass, Side Oats Grama, Blue Grama, Mosquito Grass

A warm season grass that is very drought tolerant. The Side Oats Grama common name refers to the *curtipendula* species, which has oat-like seed pods that hang along one side of the stem. The *curtipendula* species is less hardy (only zone 4) and has green foliage that turns golden with hints of orange and red in fall. Flowers are purplish spikelets that turn straw color.

The gracilis species (commonly called Blue Grama or Mosquito grass) that Twixwood grows, originally came from the Bad River area of South Dakota as a recognized genotype. B. gracilis foliage is more blue in color and the seeds hang down from horizontal seed spikes at the tip of the stem, looking like hovering insects. 'Blonde Ambition' is a newer cultivar with striking golden-blonde seed heads. Well-drained soil is especially critical for winter survival in the North. 'Honeycomb' is similar but with darker seed heads and is believed to be hardier and more suitable for northern regions.

curtipendula gracilis (Bad River Genotype)	green purple bluish purple			July-Aug June-Aug
50ct seed	2.20 (39.60/flat)			
g. 'Honeycomb' (PP# 33,101)	green tan	12-30"	Z5	Jun-Aug
50ct Deep	2.75 (49.50/flat)			
g. 'Blonde Ambition' (PP # 22,04 *2022 Availability will be limited.	8)* bluish golden	12-30"	Z6	June-Aug

All varieties are not maintained in all sizes, but these and other sizes can be grown upon request.

Calamagrostis Zone 4-9

Feather Reed Grass, Korean Reed Grass



The brachytricha species (Korean Reed Grass) is a slow spreading grass with pinkish plumes.

The x acutiflora species (hardy to zone 4) are commonly called Feather Reed Grass. 'Karl Foerster' was the 2001 Perennial Plant of the Year® and is a staple in many landscapes.

brachytricha x acutiflora 'Karl Foerster'	green pinkish green pinkish	36-48" 36-60"	Sep-Nov May-Nov
50ct Deep	.00 (50.00/flat)		
18ct	.20 (39.60/flat)		
#1 container	.30		
#2 container12	.85		
#3 container17	.25		

All varieties are not maintained in all sizes, but these and other sizes can be grown upon request.



21 Grasses

Carex Native Zone Varies

Sedge

Sedges are becoming increasingly popular as groundcovers, or lawn alternatives, as well as accent plants. Twixwood continues to add varieties as we find ones that perform well and for which there is a demand. There is a wide variety of shade/sunlight tolerance, hardiness zones, foliage colors, and growth habits.

C. albicans (White-tinged or Oak Sedge) is native to most of America east of the Rockies and usually found in dry, upland forest settings. Narrow, bright green blades form 15-20" tufts.

C. amphibola (Creek Sedge or Eastern Narrowleaf Sedge) is native to the deciduous forests of much of the Eastern US into the South and Southern prairie states. It is often found on the slopes rising from streams. Fountain shaped clumps of narrow foliage. Does have a tendency to reseed.

C. appalachica (Appalachian Sedge) is a native found predominantly in dry deciduous forests & clearings.

C. bicknellii (Prairie Sedge) so-called because it grows out in the open, full sun and can do well in drier situations than most other sedges. It is also one of the taller native sedges.

C. blanda (Common Wood Sedge) is a very versatile native able to handle both sun and shade as well as most soil types. Spreads by rhizomes so can be an aggressive Carex to fill in empty spaces.

C. brevior (Plains Oval Sedge) is a versatile native for sun to part shade that can take wet to dry soils. Small, green oval spikelets turn into brown, prickly seed heads. Formerly known as Carex festucacea var. brevior and also known by the common name of Shortbeak Sedge.

C. eburnea (Bristle-Leaved, Ivory, or Ebony Bristleleaf Sedge) likes drier, sandy soils and limestone outcroppings. Native from Newfoundland to Alaska and south into Texas and Alabama.

C. elata 'Aurea' (Bowles' Golden Sedge) is a distinct cultivar that has golden leaves with thin green margins. Will grow in 2-3" of water but won't tolerate drought. Best color is in full sun with continually moist soil.

C. emoryi (Emory's or Riverbank Sedge) is a native wetland sedge with long white seed heads that turn to brown crown-like tips over the course of blooming. It is considered endangered in New York.

C. 'Evergold' (Evergold Sedge) is a Japanese cultivar usually considered a member of the *oshimensis* species but sometimes assigned to *hachijoensis* or even *morrowii*. Narrow creamy-white to yellow cascading leaves with deep green margins. Prefers partial sun and moist soil, but will tolerate other conditions.

Continued on Next Page

Carex (continued)

C. flacca (Blue or Blue-Green Sedge) is synonymous with C. glauca referring to the blue colored leaves. This native prefers moist soils, even 1-2" of standing water, but established plants can possibly even handle a bit of drought. Prefers some shade. Spreads by rhizomes over time.

C. flacca 'Blue Zinger' (Blue Zinger Sedge) is a cultivar selected for its striking blue foliage. Grows slightly taller than the species, but otherwise similar.

C. hystericina (Porcupine or Bottlebrush Sedge) is a wetland sedge with fine leaves. Native to most of North America except the deep south.

C. 'Ice Dance' (Ice Dance Sedge) is a common variegated cultivar with dark green leaves edged with a very distinct, bright white stripe down each side. Sometimes considered a *morrowii* species. Moderate spreader that prefers moist soil and has best color in shade. May benefit from a winter mulch in northern climates.

C. muskingumensis (Palm Sedge) a native found in areas of temporary standing water.

C. pellita (Woolly or Broad-leaved Woolly Sedge) is native to most of the US. Also known as C. lanuginose. Prefers full to partial sun and wet to moist conditions.

C. pensylvanica (Pennsylvania Sedge) is one of the most popular sedges, particularly as a dry shade groundcover due to its slow spreading nature. One of the few sedges that prefers well-drained soil. A Roy Diblik favorite that he says may one day replace Pachysandra. Native to the Northeast and as far south as Mississippi and Georgia.

C. pensylvanica 'Straw Hat' was selected by Brent Horvath of Intrinsic Perennial Gardens for its very prominent yellow flowers.

C. plantiginea (Seersucker Sedge) has very wide foliage (1") compared to most of the other sedges we grow. It is native to the northeastern US.

C. radiata (Eastern Star or Straight-Styled Wood Sedge) is native to Eastern North America from Newfoundland to Georgia. Prefers wet to moist soils in part shade.

C. sprengelii (Long Beaked or Sprengel's Sedge) is a very hardy native from Alaska to Delaware to New Mexico. Prefers moist to wet soil.

C. vulpinoidea (Fox Sedge) prefers very wet soils and full sun. One of the most common native sedges. The seed heads resemble a fox's tail, but don't last long.

Continued on Next Page

Carex (continued)					
albicans	(White-tinged Sedge)	Native	15-20"	Zone 4-8	
appalachica	(Appalachian Sedge)	Native	6-12"	Zone 4-8	$\circ \bullet$
'Evergold'	(Evergold Sedge)		9-12"	Zone 5-9	
flacca	(Blue Sedge)	Native	6-12"	Zone 5-9	00
f. 'Blue Zinger	(Blue Zinger Sedge)		12-18"	Zone 5-9	00
'Ice Dance'	(Ice Dance Sedge)		9-12"	Zone 5-9	$\circ \bullet$
pensylvanica	(Pennsylvania Sedge)	Native	6-12"	Zone 3-8	$\circ \bullet$
-					
amphibola*	(Creek Sedge)	Native	12-18"	Zone 3-9	$Q \bullet$
bicknellii	(Prairie Sedge)	Native	18-36"	Zone 3-7	QQ
blanda*	(Common Wood Sedge)	Native	24"	Zone 3-9	\mathcal{Q}
brevior	(Plains Oval Sedge)	Native	24-48"	Zone 3-8	QQ
eburnea*	(Bristle-Leaved Sedge)	Native	6-12"	Zone 2-8	$\circ \bullet$
elata 'Aurea'	(Bowles' Golden Sedge)		18-30"	Zone 5-9	\circ
emoryi	(Emory's Sedge)	Native	20-26"	Zone 5-9	O Q
hystericina	(Porcupine Sedge)	Native	24-36"	Zone 3-8	
muskingumensis	(Palm Sedge)	Native	24-36"	Zone 4-9	00
pellita	(Broad-leaved Woolly Sedge)	Native	24"	Zone 4-8	00
pensylvanica 'Straw H			12"	Zone 4-8	00
plantaginea	(Seersucker Sedge)	Native	8-12"	Zone 4-8	ÕÕ
radiata	(Eastern Star or Straight-Styled Wood S	Native Sedge)	24"	Zone 4-8	Ō
sprengelii	(Long Beaked Sedge)	Native	12-36"	Zone 3-5	$\bigcirc\bigcirc$
vulpinoidea	(Fox Sedge)	Native	12-36"	Zone 3-7	ŎŌ
)			

All varieties are not maintained in all sizes, but these and other sizes can be grown upon request.

^{*}C. amphibola, blanda, eburnea: Twixwood has started production of these cultivars. May have limited or late availability in 2022.

Chasmanthium Native	Zone 3-8
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Northern Sea Oats, River Oats, Indian Wood Oats



A Midwest native most distinguished by its flat, drooping seed heads. Grows in partial shade. Tolerates black walnut trees. Plants will reseed and may spread rapidly in optimum conditions.

latifolium	green/green-purplis	h 36-48" Aug-Sep
50ct Deep	1.00 (50.00/flat)	
18ct	2.20 (39.60/flat)	
#1 container	6.30	
#2 container	2.85	
#3 container	7.25 Other si	zes can be grown upon request.

Deschampsia	Native	Zone 4-9
Tufted Hair Grass		\sim

Semi-evergreen foliage forms low, dense tussocks with flowers on 2-3' stems of varying shades of gold, silver, purple, and green. 'Goldtau' (Gold Dew) is more compact than the species and has lovely golden yellow flowers.

cespitosa	green/gold	24-36"	Jul-Sep
c. 'Goldtau'	green/gold	12-24"	Jul-Sep
50ct Seed	.90 (45.00/flat)		
50ct Deep	1.00 (50.00/flat)		
18ct	2.20 (39.60/flat)		
#1 container	6.30		
#3 container	17.25		

All varieties are not maintained in all sizes, but these and other sizes can be grown upon request.

Festuca	Zone 4-9
Fescue, Blue Fescue, Sheen's Fescue	$\overline{}$

'Elijah Blue' is the standard blue fescue. 'Cool As Ice' is a bit bluer in color and holds the blue longer with less browning out.

'Cool As Ice' (PP # 27,651)	blue	12-18"	Jun-Jul
glauca 'Elijah Blue'	blue	9-12"	Jun-Jul

50ct Deep	1.50 (75.00/flat)
18ct	2.75 (49.50/flat)
#1 container	7.40

All varieties are not maintained in all sizes, but these and other sizes can be grown upon request.

Hakonechloa	Zone 5-9
паконесию	Zone

Japanese Forest Grass, Hakone Grass



A slow spreading, highly ornamental grass that prefers part shade or cool, moist sites. The species is hardier and more adaptable than the named varieties. 'All Gold' has solid golden-yellow leaves. 'Aureola' is variegated with gold striped leaves and was the 2009 Perennial Plant of the Year®. Cool weather adds pink highlights to the foliage.

macra		green	24-36"	Jul-Aug
m. 'All Gold'		gold	12-18"	Jul-Aug
m. 'Aureola'		gold striped	12-18"	Jul-Aug
#1 container	0.80	gold striped	12-10	Jul-1 lug

#1 container..... 9.80

Helictotrichon **Zone 4-8**

Blue Oat Grass

Steel blue blades resemble Fescue, but much larger. 'Sapphire' is bluer, has wider leaf blades and is more disease resistant than the species.

sempervirens 'Sapphire' (Saphirsprudel') blue/bluish brown 24-36" Jun 18ct...... 4.10 (73.80/flat)

#1 container..... 8.70

Imperata Zone 5-9

Japanese Blood Grass



A slow spreading grass that emerges green and progresses to blood red by fall. The species is considered invasive and banned in many areas. 'Red Baron', also known as 'Rubra', is shorter, less aggressive, and rarely flowers so it does not self-seed. It is still restricted. Twixwood maintains licensing to sell in several states. Requirements vary, but typically the product cannot be resold or transported out of the state we sell to.

Currently available for the following states: MI, IL, IN, WI, OH, NE, CT

cylindrica 'Red Baron'	green to red	12-24" rarely
50ct Deep	2.75 (49.50/flat)	Other sizes can be grown upon request.

Liriope - See Groundcover Section

Miscanthus Zone 5-9

Chinese Silver Grass, Maiden Grass, Eulalia Grass, Japanese Silver Grass



Miscanthus have been standard ornamental grasses for many years. Miscanthus sinensis cultivars are generally considered hardy to Zone 5.

Many varieties can heavily self-seed which has led to Miscanthus being considered borderline, if not, invasive. For example, check out the study done by the Chicago Botanic Garden. Twixwood recommends substituting natives and nativars such as Panicum and Schizachyrium varieties whenever possible.

'Gracillimus' is the standard Maiden Grass with narrow green leaves, a silver midrib, and feathery bronze-red seed blooms that turn silver in winter.

'Little Kitten' is an extremely dwarf *Miscanthus* with narrow green leaves and silvery plumes.

'Morning Light' has narrow leaves with white variegation on the margin. Reddish flower plumes turn silvery in winter.

sinensis 'Gracillimus'	grn & silver bronze	48-84"	Aug-Nov
s. 'Little Kitten'	green white	12-36"	Aug-Nov
s. 'Morning Light'	grn & white red-wht	48-60"	Aug-Nov
50ct Deep 1.50 ((75.00/flat)		
18ct 2.75 ((49.50/flat)		
#1 container 7.40			
#3 container20.50			

All varieties are not maintained in all sizes, but these and other sizes can be grown upon request.

Molinia	Zone 5-9
Moor Grass, Purple Moor Grass, Flaming Moor Grass	$\overline{}$

'Moorflamme' (Flaming Moor Grass) is a shorter, clumping cultivar with purple flower spikes that fade to tan. Foliage becomes yellow to orange-red in the fall.

c. subsp. caerulea 'Moorflamm	ie'	green-yellow purple 36-48"	Sep-Oct
50ct Deep	1.00 (50.00/	flat)	
18ct	2.20 (39.60/	flat)	
#1 container	6.20		

Other sizes can be grown upon request.

Panicum Native Zone 5-9

Switch Grass



Switch Grasses are a native prairie staple. The *virgatum* species has green, 3' foliage with pinkish tinged flower panicles that rise to 6'. Foliage turns yellow in fall.

'Heavy Metal' features 3' columnar clumps of metallic blue leaves that turn yellow in fall. Pink tinged blooms extend to 5'.

'Northwind' is one of the best vertical forms of Switch Grass. Leaves are olive to bluishgreen and flowers are yellow. A Roy Diblik selection.

'Prairie Dog' is a Brent Horvath introduction from Intrinsic Perennial Gardens. It was selected for a more reserved habit, upright like 'Northwind' but with coloring more like 'Heavy Metal' with wide blue leaves.

'Purple Tears' was discovered by Piet Oudolf in his nursery in Hummelo, Netherlands. Flower spikes are soft gray with purple seed heads.

Ruby Ribbons has blue-green foliage that matures to purple-red. Flowers are smokypurple and reach 4'. Ruby Ribbons is the controlled cross of 'Heavy Metal' and 'Haense Herms'.

'Shenandoah' is one of the best red switch grasses. Blue-green foliage turns red by late June. Reddish-pink flowers turn beige as they mature.

virgatum v. 'Heavy Metal' v. 'Northwind' v. 'Shenandoah'	green-yellow pink blue pink green yellow blue-red pink-beige	36-72" 48-60" 48-72" 36-48"	Jul-Nov Jul-Nov Jul-Nov Jul-Nov
50ct Seed .90 (4: 50ct Deep 1.00 (5: 18ct 2.20 (3: #1 container 6.30 #2 container 12.85 #3 container 17.25	0.00/flat) All varieti	es are not mair these and other on request.	
v. 'Prairie Dog' (PP# 32,736)*	blue purple	48-60"	Jul-Nov
v. Ruby Ribbons ('RR1' PP# 17,944)	blue-red purple	36-48"	Jul-Nov
50ct Deep 1.50 (7: 18ct 2.75 (4: #1 container 7.40	,	ed or late avail	lability in 2022.
v. 'Purple Tears' (PP# 28,518)	green purple	36-48"	Jul-Nov
#1 container 8.70			

The Panicum below are not maintained in containers, however they are maintained in the field and can be custom grown upon request.

'Bad Hair Day' (PP# 29,313)	blue-red purple	36-48"	Jul-Nov
v. 'Rotstrahlbusch'	grn-red pink-yellow	48-60"	Jul-Nov

Pennisetum Zone 5-9

Fountain Grass



Fountain grasses prefer full sun and may not bloom as much in partial shade. May not be completely hardy throughout Zone 5. A vigorous, clump forming grass with bottle-brush flower plumes. The cultivars we offer are more compact than the species and have various colors of seed heads.

'Hameln' is the standard fountain grass, shorter, more compact and consistent than the species.

'Little Bunny' and 'Piglet' are miniature versions. 'Piglet' is a strong introduction that stays especially short and compact from Brent Horvath of Intrinsic Perennial Gardens.

'Red Rocket' is also an introduction from Brent Horvath of Intrinsic Perennial Gardens featuring dark red flower spikes.

alopecuroides 'Hameln'	green/silver-brown	18-30"	Aug-Oct
a. 'Little Bunny'	green/silver	12-18"	Aug-Oct
50ct Deep 1.00 (50.00 18ct 2.20 (39.60 #1 container 6.30 #2 container 12.85 #3 container 17.25	,		
a. 'Piglet' (PP# 19,074)	green/white	9-18"	Aug-Oct
'Red Rocket' (PP# 28,715)	green/dark red	36"	Aug-Oct
50ct Deep 1.50 (75.00 18ct 2.75 (49.50 #1 container 7.40			

All varieties are not maintained in all sizes, but these and other sizes can be grown upon request.

^{&#}x27;Yellow Ribbons' (PP# 31,362) and 'Love and Rockets' (PP# 33,035): Twixwood has started production of these cultivars. May have limited or late availability in 2022.

Schizachyrium	Native	Zone 3-9
Little Bluestern		

Schizachyrium scoparium and cultivars are the 2022 Perennial Plant of the Year®.

Little Bluestem grasses (formerly classified as *Andropogon scoparius*) are some of the hardiest ornamental grasses. Native to the Canadian Provinces and south through the US all the way to Arizona and Florida. Clumps of slender green leaves with blue bases feature purplish-bronze flowers. Foliage turns bronze-orange in fall.

'Blue Heaven' was developed by the University of Minnesota. It is slightly taller and stays upright when most others lodge*. Blue-gray foliage turns burgundy in fall.

'Carousel' is a Chicagoland Grows® introduction selected for its compact, rounded habit. Upright green stems with touches of pink. Insignificant flowers.

'Chameleon' is a new, variegated cultivar with bright white and green stripes that develop a flush of pink. Has a compact habit.

'Jazz' is a sport of 'The Blues' selected by Brent Horvath of Intrinsic Perennial Gardens for its shorter form. Less prone to lodge*. Blue foliage turns purple in fall and features purplish flowers.

'Standing Ovation' has wider leaves that are blue with red tips. Foliage turns reddish maroon in fall and doesn't brown out. Seldom lodges*.

'The Blues' has slender blue leaves with pinkish stems. Purplish flowers appear in August and foliage turns burgundy-red in fall.

scoparium s. 'Jazz' s. 'The Blues'	green blue/purplish blue/purple blue/purple	24-48" 24" 24-36"	Aug-Nov Aug-Nov Aug-Nov
50ct Deep 1.00 (50.18ct 18ct 2.20 (39.48ct #1 container 6.30 #3 container 17.25			
s. Blue Heaven® (PP# 17,310) s. 'Carousel' (PP# 20,948) s. 'Standing Ovation' (PP# 25,202)	blue/purple green with pink blue/purple	36-48" 24-30" 36-48"	Aug-Nov Aug-Nov Aug-Nov
50ct Deep 1.50 (75.18ct 18ct 2.75 (49.18ct #1 container 7.40 #3 container 20.50	50/flat) All varieties ar	re not maintaine other sizes can b	
s. 'Chameleon' (PP# 31,339)	variegated	18-24"	Aug-Nov
#1 container 9.80			

^{*}Lodging is a technical term used to describe the tendency of some Schizachyrium to flop and lay over. This is quite natural in the species and can provide an interesting look in a prairie or mass planting but may not be what is expected in all settings. Newer cultivars are being bred to resist lodging. Lodging tends to be greater with heavy watering and high nutrient levels.

Sesleria Zone 5-8

Autumn Moor Grass



A native to the moors of Southeastern Europe. Clump forming with narrow yellow-green foliage and flower spikes that rise to 18". 'Greenlee Hybrid' is shorter and tends to stay greener. Both have purple tinged flowers in the spring and summer.

autumnalis 'Greenlee Hybrid'	yellow-green blue-green	12-18" 10-12"	Sep-Oct Sep-Oct
50ct Deep	1.00 (50.00/flat)		
32ct	1.38 (44.16/flat)		
18ct	2.20 (39.60/flat)		
#1 container	6.30		
#3 container	17.25		

All varieties are not maintained in all sizes, but these and other sizes can be grown upon request.

Sporobolus	Native	Zone 3-9
Prairie Dropseed, Northern Dropseed		\cap

This native prairie grass forms clumps of fine green leaves that turn golden-orange in fall. Open flower panicles rising above the foliage are most noted for their sweet fragrance. 'Tara' is a dwarf version with a more upright habit.

heterolepis	green/pink	24-36"	Aug-Oct
h. 'Tara'	green/pink	12-24"	Aug-Oct
50ct Deep 32ct 18ct #1 container #2 container 1 #3 container 1	1.38 (44.16/flat) 2.20 (39.60/flat) 6.30 2.85		

All varieties are not maintained in all sizes, but these and other sizes can be grown upon request.

Perennials

RECOMMENDED PLANT SPACING:

Spacing	Common plant sizes	Square feet per
•	•	<u>plant</u>
6" centers	32ct.	.25 sq. ft.
8" centers	32ct.	.44 sq. ft.
10" centers	32ct., 24ct., 18ct.	.69 sq. ft.
12" centers	32ct., 24ct., 18ct., 10ct.	1.00 sq. ft.
15" centers	18 ct., 10ct.	1.56 sq. ft.
18" centers	#1, #2, #3 container	2.25 sq. ft.
24" centers	#1, #2, #3 container	4.00 sq. ft.

Generally perennials are spaced 12-24" apart. The distance between the plants is based on the size of the plants used, the expected growth rate, and the budget that the installer has to work with.

sq. ft. of job \div sq. ft. per plant = number of plants required

Example: 1,000 square feet using 32ct flats planted on 6" centers 1,000 sq. ft. \div .25 = 4,000 plants \div 32 = 125 flats

Achillea Zone 3-8
Yarrow

Fragrant, fern-like foliage with showy flower heads. Excellent for use in dried flower arrangements. Yarrow does well in hot, dry conditions.

'Moonshine'	yellow	12-24"	Jun-Sep
'Oertel's Rose'	rose-pink	12-15"	Jun-Sep
millefolium 'Paprika'	red	18-24"	Jun-Sep
38ct	1.25 (47.50/flat)		

#1 container..... 5.10

Other sizes can be grown upon request.

Agastache Zone 5-9

Giant Hyssop, Anise Hyssop, Purple Giant Hyssop, Hummingbird Mint

Fragrant foliage and plentiful flowers attract butterflies right through the heat of summer. Drought and heat tolerant. Needs good drainage. May have questionable hardiness in Zone 5.

Other sizes can be grown upon request.

Alchemilla Zone 3-7

Lady's Mantle

Fuzzy green leaves trap morning dew in reflective droplets. Can self-seed and works well in mass plantings or even as a groundcover.

mollis 'Thriller' yellow green 12-24" June

18ct...... 2.20 (39.60/flat)

#1 container..... 5.10

Other sizes can be grown upon request.

Allium Native Zone Varies

Ornamental or Wild Chives/Onions/Garlic, Nodding Onion



Useful in rooftop applications for their drought tolerance while adding height and character above the typical Sedum. Gaining popularity in at-grade landscape applications as well.

A. cernuum (nodding onion, hardy to Zone 4), is native to North America. Also known as Nodding Onions, they are showy in the landscape.

'Chivette' (hardy to Zone 4) is an introduction from Brent Horvath of Intrinsic Perennial Gardens. Its season-long kelly green foliage that starts upright and relaxes as the season progresses. Lavender flowers have a dark purple stripe on each petal. Mostly sterile. Both foliage and flowers are edible.

'Millenium' (hardy at least to Zone 5) is nearly identical to 'Summer Beauty' but we have found it usually blooms a few weeks later making them excellent choices to plant together for extended bloom time. Perennial Plant of the Year® in 2018.

'Summer Beauty' (hardy at least to Zone 5) has become the standard in *Allium* plantings due to its vigorous and reliable performance. Combines nicely with 'Millenium' (see above) due to similarity, but differing bloom times for extended color.

A. thunbergii 'Ozawa' is a fall blooming Japanese onion with purple-pink flowers.

'Windy City' (hardy at least to Zone 5) is an introduction by Brent Horvath of Intrinsic Perennial Gardens with deeper purple blooms.

'Summer Beauty'	purple	12-18"	Z 5	Jun-Jul
50ct Deep	2.60 (26.00/flat)			
cernuum	pink	14-18"	Z4	Jul-Aug
'Millenium'	purple	12-18"	Z5	Jul-Aug
thunbergii 'Ozawa'	purple to purple pink	6-12"	Z4	Sep-Nov
50ct Deep	3.25 (32.50/flat)			
'Chivette' (PP# 30,151)	lavender	12-15"	Z4	May-Jun
'Windy City' (PP# 28,100)	dark purple	15-18"	Z 5	Jun-Jul
50ct Deep	4.60 (46.00/flat)			

All varieties are not maintained in all sizes, but these and other sizes can be grown upon request.

^{&#}x27;Big Beauty' (PPAF), & stellatum: Twixwood has started production of these cultivars. May have limited or late availability in 2022.

Native **Zone Varies** Amsonia

Narrow Leaf Blue Star, Blue Star



'Blue Ice' (hardy to Zone 4) is similar to the native tabernaemontana with willow-like leaves that are wider than the hubrichtii and ciliata species. The hubrichtii and ciliata species (considered hardy to Zone 5) are native to the south central United States and feature fine, needlelike leaves that turn golden with hints of orange in fall. 'Storm Cloud' is a Proven Winners® cultivar with stems that emerge near black in the spring. Leaves are dark green with silver veins. 'Halfway to Arkansas', 'Midway to Montana', and 'Fonata' are Brent Horvath introductions from Intrinsic Perennial Gardens.

#1 container 8.70	Other si	zes can be	grown ı	upon request.
t. 'Storm Cloud' (Proven Winners®)	periwinkle blue	24-30"	Z4	May
38ct	/flat)			
tabernaemontana 'Fontana'	blue	36"	Z4	May-Jun
'Midway to Montana'	light blue	24-36"	Z4	May
hubrichtii	powdery blue	24-36"	Z5	Apr-May
ciliata 'Halfway to Arkansas'	blue	24-36"	Z5	May
'Blue Ice'	dark lavender blue	12-18"	Z4	May

A. ciliata var. tenuifolia 'Verdant Venture' (PP# 33,415): Twixwood has started production of this cultivar. May have limited or late availability in 2022.

Allemone	Native	Zone varies
Windflower Japanese Aper	none Snowdrop Windflower	



Prefers rich, well-drained soil in moist, semi-shaded areas. Anemones are spreading perennials that make great groundcovers, especially the North American native canadensis species (Zone 3) and the European native sylvestris (Zone 4). 'Honorine Jobert' (Zone 4) is also known as 'Alba' and is sometimes sold under the species name japonica instead of hybrida. It features single white flowers. 'Robustissima' (Zone 4) is commonly called Grapeleaf Anemone and features single light pink flowers.

canadensis *	white	12-24" Z3	Apr-Jun
'Honorine Jobert' (x hybrida)	white	36-48" Z4	Aug-Sep
'Robustissima' (tomentosa)	pink	36-48" Z4	Sep-Oct
'September Charm' (x hybrida)	silvery-pink	36-48" Z5	Aug-Oct
sylvestris *	white	12-18" Z4	Apr

^{#1} container..... 8.70

^{*} Early availability is limited in 2022

Aralia Zone 4-8

Japanese Spikenard, Mountain Asparagus, Udo



An herbaceous perennial native to Japan, Korea, and China. Young shoots are considered a culinary delicacy in Japan and taste similar to asparagus. 'Sun King' is a yellow-leaved variety. Reddish-black berries are inedible but loved by the birds. *Aralia* 'Sun King' was the 2020 Perennial Plant of The Year®. Reportedly deer resistant.

cordata 'Sun King'	white	36-72"	Jul-Sep
#1 container 8.70			
#2 container17.75			

Artemisia Zone 4

Russian Wormwood



New from Darwin Perennials®, SunFernTM features fern-like foliage that thrives in full sun. Can tolerate up to half a day of shade. Drought tolerant once established. Makes an excellent accent plant, works well in containers and as a groundcover in the landscape. Plants can be trimmed to maintain shape if needed but are non-invasive and won't spread.

Arcadia (gmelinii 'Balfernare' PPAF) medium green 14-18"

Olympia (g. 'Balfernlym' PPAF) dk grn w/ red stems 14-18"

#1 container..... 7.40

Aruncus Zone 3-8

Goat's Beard



Loves moist, fertile soil with some shade. 'Horatio' and 'Misty Lace' are shrub-like crosses between the Asian *aethusifolius* species and the North American native *dioicus*. 'Misty Lace' was developed by Alan Armitage.

'Horatio'	creamy white	24-36"	Jun-Jul
'Misty Lace' (PP# 15,798)	creamy white	18-24"	May-Jun
38ct 2.15 (81.70/flat)		
#1 container 8.70			

#2 container......17.75

All varieties are not maintained in all sizes.

Asclepias Native Zone 3-9

Butterfly Weed, Butterfly Milkweed, Swamp Milkweed

An important food source for Monarch butterflies.

- A. incarnata is the tall pink milkweed commonly called Swamp Milkweed. 'Cinderella' is similar, but may be a bit shorter and with pinker blooms. As the common name implies, prefers moist soil, but is surprisingly tolerant of average, well-drained soils.
- A. sullivantii is commonly called Prairie or Smooth Milkweed. This native prefers moist prairie areas such as river bottomlands and is similar in appearance to Common Milkweed.
- A. syriaca (Common Milkweed) has larger blooms and smooth stems. This native grows in drier areas and is even somewhat drought tolerant.
- A. tuberosa (Butterfly Milkweed) has yellow-orange flower heads in summer and the 'Gay Butterflies' cultivar is even more colorful. This species is native to the uplands and is more drought tolerant.
- A. verticillata (Whorled Milkweed) has needle-like leaves in whorls at each node along the stem. This native also prefers drier native areas and is drought tolerant.

incarnata	white and pink	48-60"	Jul-Aug
i. 'Cinderella'	pink to dk. pink	36-48"	Jul-Aug
sullivantii	pink	24-36"	Jun-Jul
syriaca	pink, mauve, white	24-36"	Jun-Aug
tuberosa	orange	12-30"	Jun-Aug
t. 'Gay Butterflies'	red, orange, yellow	12-30"	Jun-Aug
verticillata	white	12-30"	Jun-Sep

#1 container...... 7.40

All varieties are not maintained in all sizes.

Aster - See Eurybia

Astilbe Zone Varies

False Spirea



Feathery flower heads provide color from spring into summer. Astilbes prefer moist, semi-shady conditions and are great with hostas and ferns. Some varieties such as 'Fanal' and 'Maggie Daley' are considered hardier (Zone 3.)

We have chosen to alphabetize this list by cultivar name rather than species and to abbreviate the species names: a = arendsii, c = chinensis, j = japonica, s = simplicifolia. There is often disagreement over the species name and it may be best to leave them off altogether. We have also chosen to use the English names with the German in parentheses in most cases. 'Pumila' should probably be categorized as a subvariety, not a cultivar: A. chinensis var. pumila.

a. 'Bridal Veil' ('Brautschlezer')	white	18-36" Z3	June
j. 'Deutschland'	white	18-24" Z4	May-Jun
a. 'Fanal'	deep red	12-18" Z3	Jul
c. 'Maggie Daley'	purple	24-36" Z3	July
j. 'Peach Blossom'	pale peach-pink	18-24" Z4	May-Jun
c. var 'Pumila'*	mauve pink	9-12" Z4	Jul-Aug
c. 'Purple Candle' ('Purpurkerze')	purple red	24-48" Z4	Jun-Jul
j. 'Rheinland'	clear pink	18-24" Z4	May-Jun
c. var. taquetii 'Superba'	deep lilac	24-48" Z4	Jun-Jul
c. 'Visions'	pink	12-18" Z4	Jul-Aug
#1 container 7.40			
c. 'Vision in Pink'	pale pink	18-20" Z4	Jun-Jul
c. 'Vision in Red'	purplish red	18-24" Z4	Jun-Jul
c. 'Vision in White'	white	18-24" Z4	Jun-Jul
#1 container 8.70			

^{*&#}x27;Pumila' may also be available in 18c flats for \$49.50/flat (\$2.75/cell).

Baptisia Native Zone Varies

Blue Wild Indigo, Blue False Indigo

#1 container..... 7.40



Showy flowers held on tapering stalks up to 12" above mounds of blue-green foliage. Black seed pods add winter interest. The *australis* species (considered hardy to Zone 3) was the 2010 Perennial Plant of the Year®. *B. australis var. minor* is similar to the species but slightly smaller. 'Purple Smoke' (hardy to Zone 4) is a cross between the *alba* and *australis* species and features pale lavender flowers and charcoal gray stems.

alba (macrophylla)	white	24-48"	Z5	Apr-May
australis	indigo blue	36-48"	Z3	May-Jun
a. var. minor	blue	18-24"	Z3	May-Jun
'Purple Smoke'	smoky violet	36-48"	Z4	Apr-May
38ct	1.60 (60.80/flat)			

The PrairiebluesTM series (hardy to Zone 4) are Chicagoland Grows® introductions bred or selected for better bloom color and bloom time. Should be marketed with the PrairiebluesTM series name following the cultivar name (e.g., 'Midnight' PrairiebluesTM). 'Carolina Moonlight' is not part of the PrairiebluesTM series but was introduced by Rob Gardner of the North Carolina Botanic Garden and is a cross between the native *sphaerocarpa* and *alba* species.

Carolina Moonlight'	butter yellow	36-48"	Z 4	May-Jun		
rairieblues TM series						
australis 'Blue Mound' (PP# 25,902)	violet-blue	36-48"	Z 4	May-Jun		
'Lavender Rose' (PP# 25,876)	rosy pink	36-48"	Z 5	May-Jun		
'Lunar Eclipse' (PP# 25,875)	white/blue	36-48"	Z 4	May-Jun		
'Midnight' (PP# 20,432)	violet blue	36-48"	Z 4	May-Jun		
'Mojito' (PP# 25,987)	pale yellow	36-48"	Z 4	May-Jun		
'Solar Flare' (PP# 20,408)	lemon yellow-orange	36-48"	Z4	May-Jun		
'Sunny Morning' (PP# 25,479)	yellow	36-48"	Z 5	May-Jun		
38ct						
'Mojito' (PP# 25,987) 'Solar Flare' (PP# 20,408) 'Sunny Morning' (PP# 25,479)	pale yellow lemon yellow-orange yellow	36-48" 36-48"	Z4 Z4	May-Ju May-Ju		

^{&#}x27;Royal Purple' (PP# 25,508), 'Sandstorm' (PP# 25,926), 'Spilled Buttermilk' (PP# 26,319): Twixwood has started production of these PairiebluesTM Series cultivars. May have limited or late availability in 2022.

			Perennia
Brunnera			Zone 3-8
Siberian Bugloss			00
Brunnera is a glossy-leaved herbace	eous perennial. Enjoys mois	st soil in t	he shade.
macrophylla 'Jack of Diamonds' (PP# 32,752 Proven Winners ®)	blue	14-16"	Apr-May
m. 'Looking Glass' (PP# 17,829)	blue	6-18"	Apr-May
n. 'Sea Heart' (PP# 24,684)	blue to pink/lavender	6-12"	Apr-May
n. 'Silver Heart' (PP# 24,685)	deep blue	6-12"	Apr-May
#1 container 9.80			
Calamintha (Clinopodium)			Zone 5-9
Calamint, Lesser Calamintha			$\overline{\circ}$
Wisconsin Nursery Association Perwas the 2021 Perennial Plant of Threclassified and moved to the <i>Clinop</i>	he Year®. These <i>Calamintl</i>		
nepeta subsp. nepeta	lilac to white	12-18"	Jun-Oct
nepeta subsp. nepeta n. 'Montrose White'	lilac to white white	12-18" 12-18"	Jun-Oct Jun-Oct
	white		
n. 'Montrose White' 38ct	white		
n. 'Montrose White' 38ct 1.25 (4'	white		Jun-Oct
n. 'Montrose White' 38ct	white 7.50/flat) g period from late-spring th	12-18"	Zone 3-8
n. 'Montrose White' 38ct	white 7.50/flat) g period from late-spring the looms best in full sun and blue	nrough su thrives in	Zone 3-8 Zone 3-8 mmer. Great a neutral to May-Sep May-Sep
n. 'Montrose White' 38ct	white 7.50/flat) g period from late-spring the looms best in full sun and blue	nrough su thrives in	Zone 3-8 mmer. Great a neutral to May-Sep May-Sep
n. 'Montrose White' 38ct	white 7.50/flat) g period from late-spring the looms best in full sun and blue white	nrough su thrives in 6-8" 6-8"	Zone 3-8 May-Sep May-Sep Zone 3-8
n. 'Montrose White' 38ct	white 7.50/flat) g period from late-spring the looms best in full sun and blue white	nrough su thrives in 6-8" 6-8"	Zone 3-8 May-Sep May-Sep Zone 3-8

Clinopodium - See Calamintha

Coreopsis Native Zone Varies

Lanceleaf Coreopsis, Sand Coreopsis, Threadleaf Coreopsis, Tickseed

Coreopsis are excellent plants for every landscape. Tolerant of heat, humidity, and drought; they thrive in even rocky or sandy soils with good drainage. The verticillata species ('Moonbeam' and 'Zagreb', hardy to Zone 3) are landscape favorites featuring the fine needle-like leaves and are excellent for mass plantings. The rest are usually considered less hardy (Zone 5) but are great performers for most of our customer area.

verticillata 'Zagreb'	golden yellow	12-18"	T	Z3	May-Sep
38ct#1 container					
'Jethro Tull' TM (PP# 18,7	89) yellow fluted petals	12-18"	В	Z5	Jun-Aug
v. 'Moonbeam'	creamy yellow	18-24"	T	Z3	Jun-Aug
UpTick™ Series					
	cream w/dark red centers	12-14"	В	Z 5	May-Sep
('Balupteamed' PP# 28	3,866)				
Gold & Bronze ('Baluptgonz' PP# 28,	golden yellow w/ bronze red centers	12-14"	В	Z5	May-Sep
Red	red w/yellow petal tips	12-14"	В	Z 5	May-Sep
('Baluptred' PPAF)					
Yellow & Red	yellow w/dark red centers	12-14"	В	Z5	May-Sep
('Baluptowed' PP# 28,	865)				
38ct	1.25 (47.50/flat)				
#1 container	6.30				

Delosperma	Zone 4-8
Ice Plant	

T = Threadleaf (fine, needle-like leaves)

A low-growing, succulent-type plant great for rock gardens. Fire Spinner® flowers have purple pink centers with apricot and orange petals surrounding a pink eye with yellow stamens. 'Orange Crush' has bright orange flowers.

Fire Spinner® ('P001S')	purple pink w/apricot orange	1-3"	Apr-Jun
'Orange Crush' (PP# 30,806)	orange w/pink blush	3-6"	Apr-Jun

#1 container...... 7.40

B = Broadleaf (wider, lance-shaped leaves)

DianthusZone VariesPinks, Cheddar Pinks()

A delightful perennial for the sunny border or cutting bed. Most cultivars have small carnation-like flowers in vivid colors with a spicy fragrance. The foliage is usually gray-green to blue-gray. For best performance, provide full sun in a gritty, alkaline, fairly dry soil.

The new Rockin'TM Series are taller, broad-leaved varieties that blooms all summer long.

Rockin' Series TM				
Rockin' Pink Magic' ('PAS135	0217') light to dark pink	18-24"	Z 5	Jun-Sep
Rockin' Purple' ('PAS1350219')	lavender-purple	18-24"	Z 5	Jun-Sep
Rockin' Red' ('PAS1141436')	red	18-24"	Z 5	Jun-Sep
Rockin' Rose' (PAS1350215')	deep rose	18-24"	Z 5	Jun-Sep
50-4 C 1	00 (45 00/9 4)			

50ct Seed	.90 (45.00/flat)
#1 container	6.30

'Firewitch' ('Feuerhexe')	magenta pink	3-6"	Z5	May-Jun
'Fuchsia Fire' (PP# 32,987)	magenta pink	5-6"	Z 5	Jun
'Neon Star' (PP# 14,549)	hot pink	6-9"	Z3	Jun-Sep

3	8ct	 1.60	(60.80/flat)

Foxglove



One of the best flowers available for partially shaded areas. *Digitalis* forms large rosettes of dark green, hairy, toothed leaves. Said to prefer acidic soil. *Digitalis* in general is biennial, but 'Arctic Fox Rose' seems to have more perennial characteristics.

'Arctic Fox Rose' ('Balroxose' PP# 31,900)	hot pink	18-24"	Jun-Sep

#1 container...... 7.40

Coneflower, Purple Coneflower



'Magnus Superior' is the standard in purple Echinaceas and 'White Swan' (sometimes called 'Alba') is its white-flowered counterpart.

purpurea 'Magnus Superior'	purple			Jun-Sep
p. 'White Swan'	white	24-36"	Z3	Jun-Sep
50ct Seed	.90 (45.00/flat)			

#1 container..... 5.70

'Cheyenne Spirit' is an assortment of bright colors in shades of red, orange, purple, cream, yellow and white. It performs very well in the landscape. The PowWow® Series varieties are also incredible performers. They are short, compact, covered with blooms and have brilliant color typically only seen in the more expensive hybrids.

'Cheyenne Spirit'	mixed	24-30"	Z4	Jun-Sep
purpurea PowWow® White ('Pas702918')	white	18-24"	Z3	Jun-Sep
p. PowWow® Wild Berry ('Pas702917')	rose purple	18-24"	Z3	Jun-Sep
50ct Seed 1.40 (70.00	/flat)			
18ct	/flat)			

#1 container..... 7.40

E. purpurea is the native purple coneflower of the prairies. Pixie MeadowbriteTM is a favorite Chicagoland Grows® dwarf coneflower.

Pixie Meadowbrite TM	pink	12-24"	Z 4	Jun-Sep
('CBG Cone 2' PP# 18,546)				
purpurea (Native)	purple pink	36-60"	Z3	Jun-Sep
p. 'Kim's Knee High'	clear pink	18-24"	Z 3	Jun-Sep
50ct Seed	2.50/flat)			
38ct2.15 (8	1.70/flat)			
18ct4.10 (7)	3.80/flat)			
#1 container 8.70				

E. tennesseensis is maintained as field stock and can be grown upon request.

All varieties are not maintained in all sizes.

Continued on the Next Page

Phone: 269-471-7408

Echinacea (Continued)

These patented hybrids receive a lot of marketing, so are often requested by customers. Some are unique colors or double bloomers, but they may not perform as well in the landscape as some of the native, traditional varieties. In some cases they also appear not to be as effective with pollinators. The ones below are the ones that stand out in our trials.

The Kismet® Series comes from the Terra Nova Nursery breeding program. With their large, showy blooms and extended bloom time, we think they are particularly adapted to both the landscape and retail markets.

The performance of the Sombrero® Series stands out above the others in trials and in our own experience. Sombrero® Baja Burgundy even won the first ever All American Selections (AAS) performance award for perennials in 2020 (See also Rudbeckia American Gold Rush).

purpurea 'Butterfly Kisses' (PP# 24,458) p. 'Fatal Attraction' (PP# 18,429) p. 'Virgin' (PP# 18,684)	dbl pink magenta white/grn cone	12-18" 18-24" 18-24"	Z4 Z3 Z3	Jun-Sep Jun-Sep Jun-Sep
Kismet® Series	· ·			•
Intense Orange ('TNECHKIO' PP# 28,769)	orange	16-18"	Z4	Jun-Oct
Raspberry ('TNECHKR' PP# 28,768)	deep pink	16-18"	Z4	Jun-Oct
Red ('TNECHKRD' PP# 29,743)	red	16-18"	Z4	Jun-Oct
White ('TNECHKW' PP# 30,856)	white	16-18"	Z4	Jun-Oct
Yellow ('TNECHKY' PP# 29,922)	yellow	16-18"	Z4	Jun-Oct
Sombrero® Series				
Adobe Orange ('Balsomador' PP# 26,639)	orange	18-20"	Z4	Jun-Sep
Baja Burgundy ('Balsombabur' PP# 28,162)	burgundy-red	18-20"	Z4	Jun-Sep
Granada Gold ('Balsomold' PP# 30,115)	golden-yellow	18-20"	Z 4	Jun-Sep
Hot Coral ('Balsomcor' PP# 23,097)*	coral-red	14-16"	Z4	Jun-Sep
Lemon Yellow Improved ('Balsomemyim' PP# 30,116)	lemon-yellow	18-20"	Z4	Jun-Sep
Salsa Red ('Balsomsed' PP# 23,105)	red	18-20"	Z 4	Jun-Sep
Sangrita ('Balsomanita' PP# 30,138)	orange to deep red	18-20"	Z4	Jun-Sep
Tres Amigos ('Balsomtresgo' PP# 30,750)	peachy-coral	18-20"	Z 4	Jun-Sep
#1 container 9.80				

^{*}Hot Coral has been moved to the Sombrero Poco® series

Phone: 269-471-7408

Echinops	Zone 3-8
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Globe Thistle



Echinops provide architectural structure in the landscape and they are excellent as pollinator plants and for cut flowers.

bannaticus 'Star Frost'	white	30-48"	Jul-Sep
b. 'Taplow Blue'	white	48-60"	Jul-Aug
gmelinii 'Snow King'	blue	36-48"	Jul-Aug
ritro 'Veitch's Blue'	blue	30-36"	Jul-Sep

#1 container..... 9.80

Eryngium Native Zone Varies

Sea Holly, Mediterranean Sea Holly

E. yuccifolium is native to the tallgrass prairies of North America. The others are European natives. Excellent pollinator and cut flower plants that add texture to the landscape. 'Big Blue' features extra large, 4" electric blue flowers.

yuccifolium	white	36-60"	Z3	Jun-Sep
#1 container 8.70				
bourgatii zabelii 'Big Blue' (PP# 20,636)	blue blue			Jul-Sep Jun-Aug
#1 container 9.80				

Eupatorium (Eutrochium) Zone 4-8

Joe-Pve Weed



These plants are being reclassified. 'Little Joe', along with the native *E. purpureum* (Joe-Pye Weed), is now going under the genus name *Eutrochium* with the *dubium* species. 'Summer Snow' is a white-flowered cultivar developed by the Chicago Botanic Garden.

'Milk & Cookies' has chocolate red foliage with milky white flowers. 'Polished Brass' foliage emerges red like its seed parent 'Milk & Cookies' but the leaves are glossy and it is a larger plant.

dubium 'Little Joe' (PP# 16,122)	mauve-purple	48-60"	Jul-Sep
maculatum 'Summer Snow' (PP# 31,128)	white	48-60"	Jul-Aug
perfoliatum 'Milk and Cookies'	white	36-42"	Jul-Aug
'Polished Brass'	pink	48"	Jul-Sep

38ct...... 1.60 (60.80/flat)

#1 container..... 7.40

Eurybia (Aster) Native Zone 3-8

White Wood Aster



E. divaricata is a woodland native that prefers part to full shade. Formerly classified as Aster divaricatus.

divaricata white 12-30" Aug-Oct

38ct...... 1.25 (47.50/flat)

#1 container..... 6.30

Eutrochium - See Eupatorium

Ferns Native Zone Varies

Ferns



Athyrium filix-femina (Lady Fern) has lacy green leaves. Grows in tall clumps. Native.

Athyrium nipponicum 'Pictum' (Japanese Painted Fern) produces fronds that are soft silvery-gray with hints of red and blue. Probably more accurately named A. nipponicum var. pictum. May be hardy to Zone 3.

Dryopteris erythrosora (Autumn Fern or Japanese Shield Fern) has coppery fiddleheads which open to golden-green fronds turning a coppery color that deepens in fall.

Dryopteris marginalis (Leatherwood Fern) is very adaptable and has evergreen foliage. Also called Marginal Wood or Marginal Shield Fern. Native.

Dryopteris remota (Remote Wood Fern) is a vigorous grower. The species name, *remota*, means scattered. As *Dryopteris* ferns are often given common names of Wood, Shield or Buckler it could also be called Scattered Wood Fern, etc.

Matteuccia struthiopteris (Ostrich Fern) is a popular large, vase-shaped fern with tall, erect, gracefully arching, dark green fronds. Typically 2-3', but can reach 6'. Native.

Osmunda cinnamomea (Cinnamon Fern) has yellowish green fronds with cinnamon colored fibers at the base of the plant which are used in potting Orchids. Native.

Polystichum acrostichoides (Christmas Fern) is an evergreen fern with glossy fronds. Native.

Α	thyrium filix-femina	(Lady Fern)	12-36"	Zone 4-8
A	thyrium nipponicum 'Pictum'	(Japanese Painted Fern)	12-18"	Zone 4-8
D	ryopteris erythrosora	(Autumn Fern)	18-30"	Zone 5-8
D	ryopteris marginalis	(Leatherwood Fern)	18-24"	Zone 3-8
D	ryopteris remota	(Remote Wood Fern)	24-30"	Zone 4-8
M	latteuccia struthiopteris	(Ostrich Fern)	36-72"	Zone 3-7
O	smunda cinnamomea	(Cinnamon Fern)	24-36"	Zone 3-9
P	olystichum acrostichoides	(Christmas Fern)	12-24"	Zone 3-9

#1 container..... 9.80

Due to low availability, high demand, and a longer lead time for full maturity, some varieties may have late or limited availability.

See also SunFern® under Artemisia.

Native **Zone Varies** Geranium

Hardy Geranium, Cranesbill, Spotted Geranium

Dependable perennials that work well as groundcovers or individually. Foliage is green and often turns reddish in fall. The maculatum species is native as are the parents of several others.

'Rozanne' was the 2008 Perennial Plant of the Year®. It continues to be in high demand because of its excellent performance. Sometimes also called 'Gerwat' or 'Jolly Bee'.

sanguineum 'Max Frei'	reddish purple	6-9"	Z3	May-Jun
38ct				
x cantabrigiense 'Biokovo' x c. 'Karmina' macrorrhizum 'Bevan's Variety'	white tinged w/pink deep pink deep magenta		Z 5	May-Jun May-Jun Apr-Jul
38ct	,			
maculatum 'Rozanne'®	light pink violet blue			Apr-May May-Sep
#1 container 8.7	70			

Helleborus **Zone Varies**

Lenten Rose, Winter Rose, Christmas Rose, Hellebore



Evergreen foliage with leathery, rich green leaves. Branched stems hold pendant, saucer-shaped flowers. Partial sun and excellent drainage yield an extended flowering period. Hellebores (all varieties) were the 2005 Perennial Plant of the Year®.

WEDDING PARTY® Series

'Black Tie Affair'	dbl black w/ light center	18-24"	Z4 Mar-May
'Confetti Cake'	dbl white w/ burg specks	18-24"	Z4 Mar-May
'Dashing Groomsmen'	dbl slate gray to dk purple	18-24"	Z4 Mar-May
'First Dance'	dbl yellow w/ maroon edge	18-24"	Z4 Mar-May
'Flower Girl'	dbl blush to light pink	18-24"	Z4 Mar-May
'Maid of Honor'	dbl light to dark pink	18-24"	Z4 Mar-May
'Mother of the Bride'	dbl apricot w/ pink edge	18-24"	Z4 Mar-May
'Shotgun Wedding'	dbl white w/ heavy burg specks	18-24"	Z4 Mar-May
'Wedding Bells'	dbl clear white	18-24"	Z4 Mar-May
'Wedding Crasher'	dbl soft pink w/dk pink specks	18-24"	Z4 Mar-May

#2 container......24.25

Continued on Next Page

Helleborus (continued)				
orientalis 'Royal Heritage'™	white, pink, rose-purple mixed	12-18" 18-24"	Z4 Feb-Apr Z4 Feb-Apr	
HONEYMOON® Series 'California Dreaming' 'French Kiss' 'New York Night' 'Paris in Pink' 'Rio Carnival' 'Romantic Getaway' 'Rome in Red' 'Sandy Shores' 'Spanish Flare'	clear yellow white w/ red center & edge shades of black light to med pink light yellow edges w/ burgundy white w/ patterned red center maroon, wine red pale apricot light yellow with maroon flares	18-24" 18-24" 18-24" 18-24" 18-24" 18-24" 18-24" 18-24"	Z4 Mar-May	
'Tropical Sunset' 'Vegas Nights'	creamy yellow w/ burgundy gray to dark purple	18-24" 18-24"	Z4 Mar-May Z4 Mar-May	
Mixed #1 container		18-24"	Z4 Mar-May	
Ivory Prince ('Walhelivor' PP# 16,199)	creamy white	12-18"	Z3 Mar-May	
FROSTKISS® Series Anna's Red ('ABCRD02' PP# 24,720) Bayli's Blush®	deep burgundy w/red stems violet blush w/creamy white	12-18" 12-18"	Z5 Dec-Mar Z5 Jan-Apr	
('RD06' PP# 27,120) Dana's Dulcet®	smoky pink w/greenish white	10-18"	Z5 Feb-Apr	
('EPB 30' PP# 27,970) Dorothy's Dawn® ('EPB 29' PP# 28,010)	light pink	12-18"	Z5 Feb-Apr	
Glenda's Gloss® ('EPB 25' PP# 28,008)	white w/magenta edge	12-18"	Z5 Dec-Mar	
Illumi Lime® ('EPB 24' PP# 30,807)	lime punch	12-18"	Z5 Jan-Apr	
Molly's White ('EPBRD01' PP#25,685)	clear white	12-18"	Z5 Jan-Apr	
Moondance® ('EPB 20' PP# 27,969)	clear white	12-18"	Z5 Jan-Apr	
Penny's Pink ('ABCRD01' PP# 24,149)	deep pink	12-18"	Z5 Jan-Apr	
Pippa's Purple® ('RD09' PP# 27,121)	smoky pink w/burgundy specks	12-18"	Z5 Jan-Apr	
WINTER ANGLES TM Charmer ('EPB 210' PP# 29,873)	rose w/burgundy specs	8-16"	Z5 Nov-Mar	
#1 container13	#1 container			
#2 container26	All varieties a	re not main	tained in all sizes.	

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Hemerocallis Alphabetically

Full descriptions in our normal format are on the following pages

<u>Name</u>	Color Group	Price
'Apricot Sparkles'	Gold/Orange/Apricot	\$7.40
'Black Eyed Stella'	Gold/Orange/Apricot	\$7.40
'Chicago Apache'	Red	\$5.70
'Going Bananas' (PP# 17,164)*	Yellow	\$7.40
'Happy Returns'	Yellow	\$5.70
'Hyperion'	Yellow	\$5.70
'Little Grapette'		
'Little Wine Cup'	Lavender/Purple	\$5.70
'Pardon Me'	Red	\$5.70
'Purple de Oro'	Lavender/Purple	\$5.70
'Rocket City'		
'Rosy Returns'	Pink	\$7.40
'Ruby Stella'	Red	\$5.70
'Stella de Oro'	Gold/Orange/Apricot	\$5.10
'Strawberry Candy'	Pink	\$5.70
'Sunday Gloves'		

^{*} Proven Winners® Rainbow Rhythm® collection

Prices for Other Sizes

#2 containers

#2 containers are not maintained in all varieties.

Hemerocallis Zone 3-9

Daylily



Daylilies are very popular and versatile perennials; tolerant of a wide variety of growing conditions. Descriptions include bloom color, bloom size, bloom season, class, mature plant height, habit and price group.

	Gold/Orange/Apricot Shad	'es	
'Apricot Sparkles'	deep apricot	3" E	Dip 15" Re 3
'Black Eyed Stella'	golden yellow w/ dark red e	eye 3" E	Dip 13" Re 3
'Rocket City'	bittersweet-orange	4.5" EM	Tet 30" 3
'Stella de Oro'	gold	2.75" E	Dip 16" Re Ext 1
	Yellow Shades		
'Going Bananas'* (PP# 17,164)	lemon-yellow	4" M	Dip 17" Re 3
'Happy Returns'	canary-yellow	3" E	Dip 16" Re Ext 2
'Hyperion'	lemon-yellow	5.5" M	Dip 40" Re Fr Ext 2
	White Shades		
'Sunday Gloves'	near white w/ pale yellw tht	5.25" E M	Dip 27" Re Fr Ext 2
	Pink Shades		
'Rosy Returns'	rose-pink w/yellow throat	4" E	Dip 14" Re 3
'Strawberry Candy'	pink w/rose-red eye	4.25" EM	Tet 26" Re 2
	Lavender/Purple Shades		
'Little Grapette'	grape w/green throat	2" E	Dip 16" 2
'Little Wine Cup'	wine w/green throat	2" E	Dip 20" Re 2
'Purple de Oro'	medium purple w/gold tht	3" M	Dip 20" Re 2
	Red Shades		
'Chicago Apache'	scarlet w/green throat	5" M	Tet 27" Fr 2
'Pardon Me'	cranberry-red w/green tht	2.75" M	Dip 18" Re 2
'Ruby Stella'	scarlet w/ yellow throat	2.75" EM	Dip 18" Re 2

^{*} Proven Winners® Rainbow Rhythm® collection

E = Early Season	Dip = Diploid	Re = Re-bloomer
M = Mid Season	Tet = Tetraploid	Fr = Fragrant

L = Late Season Ext = Extended Bloom 16 hours +

Price Groups - #1 containers

1	5.10
2	5.70
3	7.40

Phone: 269-471-7408

Heuchera Zone Varies

Coral Bells, Alum Root



Semi-evergreen, clump forming foliage plants. Foliage color can vary depending on sun exposure. Some do better with more shade, especially the lighter colored varieties.

The cultivars in the first groups of lower priced *Heuchera* are the standard, tried and true varieties you can count on. 'Autumn Bride' is a large, green plant similar to the villosa species.

The higher priced, patented varieties have unique features. These include specialized colors, more specialized growth habits, and other desirable characteristics. They may not be as hardy or adaptable as some of the more familiar ones, however. We do not have room for descriptions that do justice to each variety so we encourage you to look them up online or ask us for more information.

Foliage Color | Flower Color**

	Foliage Color Flower Color		
'Chatterbox'	green rose-pink	12-24"	Z3 Jun-Sep
'Palace Purple'	maroon white	12-24"	Z4 Jun-Jul
(micrantha var. diversifolia)			
50ct Seed	90 (45.00/flat)		
38ct			
18ct	2.20 (39.60/flat)		
#1 container	5.70		
'Autumn Bride' (villosa)	large velvety green white	18-36"	Z3 Aug-Sep
'Green Spice'	green, silvery red veins white	9-12"	Z4 Jun-Jul
'Plum Pudding'	plum-purple white	8-12"	Z4 Jun-Jul
'Silver Scrolls'	silvery white	9-24"	Z4 Jun-Jul
'Steel City'	blue-green pink	12-24"	Z4 May-Jul
38ct	1.60 (60.80/flat)		
18ct	2.75 (49.50/flat)		
#1 container	7.40 All varieties ar	e not maint:	ained in all sizes
(C1)		0.102	74 I I
'Caramel'	caramel apricot-orange pink	9-18"	Z4 Jun-Jul
(PP# 16,560) (villosa)		12-20"	7.4 Jun-Jul
'Georgia Peach'	peach-orange white	12-20	Z4 Jun-Jui
(PP# 19,375) 'Grape Expectations'	grape-purple white	10-12"	74 Jun-Jul
(PP# 26,894)	grape-purple wilite	10-12	Z4 Juli-Jul
'Lime Marmalade'	lime-green white	9-18"	Z4 May-Jul
(PP# 21,861)	mine-green winte	<i>J</i> -10	Z+ Way-Jui
'Midnight Rose'	dark purple w/ pink spots white	10-30"	74 Jun-Jul
(PP# 18,551)	dark purple w/ plik spots willte	10 30	21 3411341
'Obsidian'	almost black white	8-10"	7.4 Jun-Jul
(PP# 14,836)	miliest state white	0 10	2
'Peach Flambe'	bright peach and red white	6-10"	Z4 Jun-Jul
(PP# 17,195)	0 L - way awa 1-a	0 10	
	9.70	<i>a</i>	
#1 container	8.70	Continu	ed on next page

Phone: 269-471-7408

Heuchera (Continued)				
Lucid Dreams Series (from	n Plants Nouveau and AB Cultivars)			
'Awakening' (PPAF)	thick bright maroon creamy white		" Z5	Jun-Jul
'Kaleidoscope' (PPAF)	gold w/maroon veins white	8-10		
'Mysterious' (PPAF)	pink-red to burg & green w/sliver			
'Vivid' (PPAF)	chartreuse green ruffled white	10-12		
#1 container	8.70			
Forever® Series (from Te	rra Nova)			
Purple	intense purple pink	12-15"	Z4	Jun-Jul
('TNHEUFP' PP# 26,358	3)			
Red	bright red white	7-14"	Z 4	Jun-Jul
('TNHEUFR' PP# 29,644	4)			
Proven Winners® DOLC	E® Series			
'Apple Twist'	yellow, green edge cream	10-12"	Z4	Jun-Jul
(PP# 31,221)				
'Cherry Truffles'	bright red light pink	8-10"	Z4	Jun-Jul
(PP# 31,396)				
'Silver Gumdrop'	iridescent silver pink	6-8"	7.4	Jun-Jul
(PP# 29,207)	massem sirver pinn	0 0		0 0011 0 001
	purple, charcoal veins white	10-14"	Z4	Jun-Jul
Proven Winners® PRIMO	O® Series			
'Black Pearl' (PP# 29,39		8-10"	Z4	Jun-Jul
		0.10		0 0011 0 001
#1 container	9.80			
Heucherella			7	Zone 4-9
Foamy Bells				00
Heucherella is a hybrid g	enus produced from a cross between	n Heuchera	and T	iarella.
'Gold Zebra' (PP# 22,104)	yellow, red center white	8-16"		May-Jul
#1 container	9.80			
Hibiscus			Z	one 5-9
Hibiscus				
A .4dd	al 4b a4ii-4 4a 4bi	D b 4	: £11	41
	al that requires moisture to thrive.			
	e average soil as well. These variet	nes nave da	ark ioi	nage tnat
contrast with the brightl	y colorea nowers.			
	Foliage Color Flower Col	lor		
'Blackberry Merlot' (PP# 3				Jul Com
		48-54		Jul-Sep
'Midnight Marvel' (PP# 24, 'Starry Starry Night' (PP# 2		36-48"		Jul-Sep Jul-Sep
	rryon near niack i hink	1D-4X		iiii-Sen

Phone: 269-471-7408

#2 container.....20.00

Hosta		Zone 3	3-9
Plantain Lily, Funkia		00	•
	Foliage Color Flower Color	Size	
'August Moon'	gold to chartreuse heart shaped pale lavender	M	\circ
'Blue Angel'	heavy blue-green pale lavender	G	\circ
'Francee'	med to dark green w/narrow white margin pale lavender	S	\circ
'Great Expectations'	changing yellow center streaked blue-green margin white	M	
'Guacamole'	dark apple-green w/dark green streaked margins white	M	(E)
'Hadspen Blue'	powdery steel blue, thick, cupped pale lavender	S	\circ
'Halcyon'	blue-green spear shaped lilac blue	M	\circ
'June'	changing gold center wide blue-green streaked margin pale lavender	M	0
'Krossa Regal'	frosty blue-green vase shaped lavender	G	\circ
'Minuteman'	dark green w/white margin pale lavender	M	\circ
'Patriot'	dark green w/white streaked margins lavender	M	\circ
'Royal Standard'	wavy green glossy white	L	\circ
sieboldiana 'Elegans'	huge 10x9" blue-gray rounded textured white	M	\circ
s. 'Frances Williams'	giant blue-green w/ wide chartreuse to yellow margin white	M	
#1 container	7.40		
'Abiqua Drinking Gou	ird' deeply cupped dark blue-green white	M	
'Fire And Ice'	Patriot reverse, white ctr, dk grn marg lavender	M	0
'Fire Island'	bright yellow w/red stems lavender	S	
'First Frost'	blue-green w/gold to white margin pale lavender	M	0
'Humpback Whale'	blue-green corrugated heart shaped white	G	
'Island Breeze' (PP# 27,151)	bright yellow w/dark green margin dark lavender	S	
'Liberty'	blue-green w/streaked yellow to cream margin lavender	L	\circ
'Rainforest Sunrise'	solid light grn develops dark grn margin w/gold center pale lavender	T	
'Stained Glass'	huge gold w/ wide dark green margin pale lavender	M	E
'Sum and Substance'	huge chartreuse corrugated leaves pale lavender	G	0

^{#1} container..... 8.70

F = Indicates a fragrant Hosta. Intensity of fragrance can vary greatly depending on variety and habitat.

⁼ Indicates this Hosta has shown greater sun tolerance. All hostas prefer shade, the ones marked here can take sun much of the day. Many others can take a few hours of sun especially in the morning. Colors and patterns can vary with differing amounts of sunlight.

AHGA Clump Size: T = Mini (tiny) up to 8", S = Small 9-14", M = Medium 15-22", L = Large 23-29", G = Giant 30"+

Hosta (Continued)

Dagreen	Winner	SHADOWI	AND	Callastian
Proven	Winnerski	SHADOWL	ANDE	Collection

	Foliage Color Flower Color	Size
'Autumn Frost' (PP# 23,224)	blue w/wide yellow margin lavender	S
'Coast to Coast'	gold w/wavy edges pale violet	G
(PP# 26,469) 'Diamond Lake' (PP# 30,769)	blue heart shaped w/wavy edges pale lavender	M
'Empress Wu'	large dark green violet	G
(PP# 20,774) 'Etched Glass'	bright yellow w/dark green margin white	M F
(PP# 30,748) 'Hudson Bay'	wide blue margin w/cream center white	L
(PP# 23,598) 'Miss America'	green heart shaped w/white center white	M
(PP# 32,068) 'Seducer'	dark green w/gold margin & white between white	L
(PP# 22,413) 'Waterslide'	blue ruffled lavender	S
(PP# 30,303) 'Wheee!'	green w/cream margin ruffled light lavender	M
(PP# 23,565) 'Wu-La-La'	large blue-green w/apple-green margin violet	G
(PP# 31,309)		

^{#1} container..... 9.80

F = Indicates a fragrant Hosta. Intensity of fragrance can vary greatly depending on variety and habitat.

⁼ Indicates this Hosta has shown greater sun tolerance. All hostas prefer shade, the ones marked here can take sun much of the day. Many others can take a few hours of sun especially in the morning. Colors and patterns can vary with differing amounts of sunlight.

AHGA Clump Size: T = Mini (tiny) up to 8", S = Small 9-14", M = Medium 15-22", L = Large 23-29", G = Giant 30"+

Hosta (Alphabetically)

Zone 3-9

Plantain Lily, Funkia



See page preceding pages for price groups. *Hosta* prefer and perform best in at least some shade.

'Abiqua Drinking Gourd'	\$8.70
'August Moon'	
'Autumn Frost' (PW PP# 23,224)	\$9.80
'Blue Angel'	\$7.40
'Coast to Coast' (PW PP# 26,469)	\$9.80
'Diamond Lake' (PW PP# 30,769)	\$9.80
'Elegans' (sieboldiana)	\$7.40
'Empress Wu' (PW PP# 20,774)	\$9 . 80
'Etched Glass' (PW PP# 30,748)	\$9.80
'Fire And Ice'	\$8.70
'Fire Island'	\$8.70
'First Frost'	\$8.70
'Francee'	\$7.40
'Frances Williams' (sieboldiana)	\$7.40
'Great Expectations'	\$7.40
'Guacamole'	\$7.40
'Hadspen Blue'	\$7.40
'Halcyon'	
'Hudson Bay' (PW PP# 23,598)	\$9.80
'Humpback Whale'	
'Island Breeze' (PP# 27,151)	\$8.70
'June'	
'Krossa Regal'	\$7.40
Liberty'	\$8 . 70
'Minuteman'	
'Miss America' (PW PP# 32,068)	\$9 . 80
'Patriot'	\$7.40
'Rainforest Sunrise'	*
'Royal Standard'	
'Seducer' (PW PP# 22,413)	
sieboldiana 'Elegans'	
sieboldiana 'Frances Williams'	
'Stained Glass'*	
'Sum and Substance'	*
'Waterslide' (PW PP# 30,303)	
'Wheee!' (PW PP# 23,565)	
(Will a La? (DW DD# 21 200)	09 02

PW: Proven Winners® SHADOWLAND® Collection

Iris Native Zone Varies

Siberian Iris, Southern Blue Flag



Siberian Iris are as hardy as the name suggests (Zone 3). 'Caesar's Brother' is a deep blue.

The native, *virginica shrevei* (hardy to Zone 5), occurs naturally in sunny marshes, wet prairies, and savannahs. This fragrant flower grows in water up to 1' deep. Great for edges of ponds and streams.

siberica 'Caesar's Brother'	deep blue	36-48"	Z3	May
18ct#1 container	,			
virginica shrevei*	blue-violet	18-24"	Z5	Jun
#1 container	7.40			

^{*}Available in late 2022

Kniphofia Zone 5-9

Red-Hot Poker, Torch Lily

Bred from a South African native, these exotic looking perennials have grass-like foliage with tall flower spikes. Tie the leaves over the crown to prevent water pooling and freezing inside. May need additional protection in Zone 5.

High Roller (PP# 32,295)	gold/orange	36-48"	May-Jun
Proven Winners® PYROMA	NIA™ collection		
'Backdraft' (PP# 31,424)*	red-orange/peach yellow	30-36"	May-Jun
'Flashpoint' (PP# 31,282)*	chartreuse-yellow/creamy white	30-36"	May-Jun
'Hot and Cold'(PP# 31,185)	* tangerine-orange/creamy white	30-36"	May-Jun
'Orange Blaze' (PP# 31,545	s)* orange	24-30"	May-Jun
'Solar Flare' (PP# 32,073)*	yellow	36-40"	May-Jun
#1 container	9.80		
#2 container	20.00		

^{*}May have limited or late availability in 2022.

English Lavender

Lavandula

Zone 5-9

Perennials

An exquisite plant for the herb garden or sunny border. Its silvery-green foliage creates a desirable accent. Prefers light soil and fairly dry conditions. 'Phenomenal' was named a 'Must-Grow Perennial' by Better Homes & Gardens. Reportedly handles heat and humidity better than other varieties. May even be hardier (Zone 4). In northern climates, it typically stays shorter than sometimes advertised.

angustifolia 'Munstead'	lavender-blue	12-18"	Jun-Aug
50ct Seed#1 container	,		
PHENOMENAL® (x intermedia 'Niko' PP# 24,193)	lavender	24-36"	Jun-Aug
38ct#1 container	. ,		

Lespedeza Zone 4-8

Bush Clover



A deciduous, semi-woody shrub. Can be cut down and grown to full height in one season. In zones 4 and 5, it may freeze back to the ground. Blooms on new growth, so can be grown as an herbaceous perennial.

Leucanthemum Zone 5-9
Shasta Daisy

Formerly a member of the genus *Chrysanthemum*. Plant in sunny, well-drained locations and deadhead after blooming to promote second bloom.

x superbum 'Becky' x s. 'Madonna' x s. 'Snowcap'	white white white	36-48" 8-10" 12-18"	Jun-Sep Jun-Sep Jun-Sep
50ct Seed .90 (45.0) 38ct 1.25 (47.5) #1 container 6.30	,		
Proven Winners® Amazing Daisies® Col	lection		
x s. 'Banana Cream II' (PPAF)	lemon yellow	12-18"	Jun-Aug
x s. Daisy May® ('Daisy Duke', PP# 21,914) white	12-24"	Jun-Sep

1			Perennia
Liatris			Zone 3-8
Blazing Star, Gayfeather			\bigcirc
Very important plants for pollin	ators. Especially attractive	to humi	ningbirds and
butterflies.			J
spicata 'Kobold'	deep purple	18-30"	Jul-Aug
#1 container 8.70			
Lobelia	Native		Zone 3-9
Cardinal Flower			00
Great for pollinators, especially hu	mmingbirds and butterflies.	This nati	ive has striking
red blooms with green foliage.	S		
cardinalis	scarlet-red	24-48"	Jul-Sep
#1 container 6.30			1
#1 container 0.30			
Lupinus			Zone 5-8
Lupine			0
Westcountry TM series			
'Beefeater' (PPAF)	red	30-36"	May-Jul
'Blacksmith' (PP# 29,943)	bicolor, purple and white	24-36"	May-Jul
'Blossom' (PP# 18,813)	pink on white	24-36"	May-Ju
'Desert Sun' (PP# 23,073)	yellow	30-36"	May-Ju
'Manhattan Lights' (PP# 18,868)	bicolor, purple and yellow	30-36"	May-Ju
'Masterpiece' (PP# 19,739)	wine purple	27-29"	May-Jul
'Persian Slipper' (PP# 18,733)	periwinkle purple	24-36"	May-Jul
'Rachel de Thame' (PP# 29,833) 'Red Rum' (PP# 18,709)	bicolor, pink and white red	15-36" 24-36"	May-Jul May-Jul
'Tequilla Flame' (PP# 23,047)	bicolor, red and yellow	30-36"	May-Jul
'Terracotta' (PP# 23,044)	bicolor, peach and yellow	30-36"	May-Jul
#2 container20.00	71		Ž
Lysimachia			Zone Varies
Moneywort, Creeping Jenny			00
'Firefly' and 'Night Light' prefer groundcovers. Not aggressive but low flowers from spring until fro hardy to Zone 5.	can be trimmed as needed.	Continuo	ous, bright yel-
congestiflora 'Firefly' PPAF alfredii 'Night Light' PPAF	yellow yellow	6-8" 10-12"	Z5 May-Sep Z5 May-Sep

Phone: 269-471-7408

Monarda Zone 4-9

Bee Balm, Bergamot



Great for the cutting, hummingbird and butterfly gardens. Does best in a moisture-retentive, rich soil with sunny, open conditions. Several of these cultivars (generally considered hardy to Zone 4) are often sold under the species name of *didyma* in reference to the native *didyma* parentage of most of the hybrids. 'Purple Rooster and the Bee-You® Series reportedly exhibit greater mildew resistance.

'Marshall's Delight' 'Mojo' (PP# 29,982) 'Petite Delight' 'Purple Rooster' 'Raspberry Wine'	deep pink purple lavender-rose dark purple raspberry wine-red	24-36" 24-30" 12-18" 36-48" 36-48"	Jun-Aug June Jul-Aug Jul-Aug Jul-Aug
38ct	47.50/flat)		
Bee-You® series			
Bee Free TM ('MON0012BFR' PP# 29,032)	purple	30-36"	Jun-Aug
Bee Happy TM ('MON0001BHA' PP# 29,080)	red w/chocolate ctr	30-36"	Jun-Aug
Bee Lieve TM ('MON0004BLI' PP# 29,078)	pink w/maroon bands	10-12"	Jun-Aug
Bee Merry TM (PPAF)	coral pnk w/chocolate ctr	10-12"	Jun-Aug
Bee Pretty TM (PP# 30,226)	lavender blue w/gray ctr	15-18"	Jun-Aug
Bee True TM ('MON0005BTR' PP# 29,079)	magenta prpl w/red ctr	22-26"	Jun-Aug

#1 container...... 8.70

Nepeta Zone Varies

Catmint



Gray-green foliage is complimented by soft lavender-blue flowers. The taller varieties tend to fall over and spread across the ground unless staked. Trim to rejuvenate and extend flowering. 'Walker's Low' was the Perennial Plant of the Year® in 2007.

There is some variation on the species names for the different varieties. 'Walker's Low' and 'Blue Wonder' should probably be *racemosa* species, but are often sold as *faassenii*. Faassenii is a sterile hybrid of *racemosa* and *nepetella*, so should be designated *x faassenii* on 'Kit Cat'.

Little Trudy® is truly a dwarf catmint, one of the most compact and consistent we've seen.

The Prelude™ Nepeta have a mounding habit that, unlike the other varieties, stay upright and feature very large flowers that are excellent for pollinators.

'Blue Wonder' 'Early Bird'	dark blue lavender	9-18" 12"		May-Sep May-Sep
'Kit Cat'	blue	12-18"	Z3	May-Sep
'Walker's Low'	lavender-blue	24-30"	Z 4	May-Sep
38ct	/flat)			
Junior Walker TM ('Novanepjun' PP# 23,074)	lavender-blue	15-18"	Z 5	May-Sep
Little Trudy® ('Psfike' PP# 18,904)	purple-violet	9-12"	Z 4	May-Sep
Prelude TM series				
Blue (N. subsessilis 'Balneplud' PP# 31,901)	large blue	28-36"	Z 5	May-Sep
Purple (N. subsessilis 'Balprelurp' PPAF)	large purple	28-36"	Z 5	May-Sep
38ct	'flat)			
'Cat's Pajamas' (PP# 31,127 Proven Winners®)	blue	12-14"	Z3	May-Sep
#1 container 7.40				

All varieties are not maintained in all sizes.

Russian Sage

Penstemon			Zone 3-8
Beardtongue			$\overline{\bigcirc}$
A perennial with some tolerance for red foliage. Make sure the soil is well bloom time. Cut back to basal foliage	-drained. Remove sp	ent flower stalks	s to lengthen
digitalis 'Husker Red'	white	24-36"	Apr-Jun
38ct	7.50/flat)		
'Dark Towers' (PP# 20,013)	pale pink	18-36"	May-Jun
#1 container 8.70			
Perovskia			Zone 5-9

A durable and tough sub-shrub. Very attractive silver, divided foliage is topped by light blue flowers during summer. Needs a neutral, loose soil in sunny, open conditions. Perovskia is being reclassified as Salvia yangii.

atriplicifolia	lavender-blue	36-60"	Jul-Oct
a. 'Little Spire'	violet-blue	18-24"	Jun-Oct
38ct	'flat)		
a. 'Blue Jean Baby' (PP# 29,281) a. 'Blue Steel' a. Little Lace ('Novaperlac' PP# 26,618) #1 container	lavender-blue	28-34"	Jul-Sep
	lavender-blue	28-34"	Jul-Sep
	purple	18-24"	Jul-Sep
a. 'Denim 'n Lace' (PP# 28,445 Proven Winners® #1 container 9.80) blue-purple	28-32"	Jul-Oct

All varieties are not maintained in all sizes, but can be grown upon request.

Phlox Zone Varies

Garden Phlox, Tall Phlox, Woodland Phlox



Perennials

Phlox divaricata is the native woodland Phlox, with an intermediate habit. Phlox paniculata are the tall, garden types. Phlox subulata are the creeping types (See Groundcover Section).

divaricata 'Blue Moon'	blue	12-18"	Z 3	Apr-May
paniculata 'David'	white	24-48"	Z 3	Jul-Sep
p. 'Jeana'	lavender-pink	36-48"	Z3	Jul-Sep
p. 'Laura'	purple w/white eye	36-48"	Z 4	Jul-Sep
29 at	1.25 (47.50/flot)			

38ct...... 1.25 (47.50/flat)

#1 container..... 6.30

Field stock of Chicagoland Grows® varieties are maintained and can be custom grown upon request. Includes: 'Forever Pink' (PP# 24,918), 'Pink Profusion' (PP# 25,883), 'Running With Scissors' (PP# 28,738), 'Violet Pinwheels' (PP# 25,884), 'Early Bird' (PP# 28,737), 'Pink Parasol' (PP# 28,881), 'Plumtastic' (PP# 28,896)

Platycodon Zone 3-8

Balloon Flower



A beautiful addition to the front of a perennial border or mass grouping in a display bed. Flower buds are reminiscent of balloons before they open.

grandiflorus 'Astra Blue'

blue

3-6"

Jun-Aug

#1 container..... 6.30

Polygonatum

Zone 3-8

Solomon's Seal



Green leaves edged in a broad strip of creamy white. Long, tubular, white flowers dangle from the axil underneath the leaves in early spring. Prefers moist woodland settings.

white

odoratum 'Variegatum'

24-36" Apr-May

#1 container..... 9.80

Pulmonaria Zone 4-9

Lungwort, Bethlehem Sage



A stand-out for moist, well-drained, cool, shady areas. Dark green foliage with silver spotting. Protect from hot afternoon sun. May be okay in colder regions if kept in protected areas.

'Lisa Marie' (PP# 31,226)	raspberry	15-18"	Apr
'Raspberry Splash'	raspberry pink to purple	9-12"	Apr
'Trevi Fountain'	cobalt-blue	9-12"	Apr

#1 container..... 9.80

Rudbeckia Zone Varies

Black-Eyed Susan, Coneflower

One of the best perennials for long life, ease of care, disease resistance, and season-long beauty and color. The cut flowers and dried seed heads are second to none. Twixwood recommends 'Summerblaze'. It has narrower leaves like 'Viette's Little Suzy' and is more resistent to black spot (Septoria) than 'Goldsturm'.

'Goldsturm' (fuldiga var. sullivantii)	yellow	24-36" Z3	Jun-Sep
'Summerblaze'	yellow	24-30" Z3	Jul-Sep
Viette's Little Suzy (fulgida 'Blovi')	vellow	12-18" Z3	Jul-Sep

#1 container..... 5.70

'Glitters Like Gold' and 'American Gold Rush' are Brent Horvath introductions from Intrinsic Perennial Gardens. 'American Gold Rush' won the first ever All American Selection (AAS) performance award for Perennials for 2020 (see also Echinacea Baja Burgundy).

'American Gold Rush' (PP# 28,498)	yellow-gold	18-24" Z4	Jul-Sep
'Glitters Like Gold' (PP# 30,933)	yellow	24-36" Z4	Jul-Sep

38ct...... 1.60 (60.80/flat)

Salvia Zone Varies

Meadow Sage, Wood Sage

Great for sunny borders, cutting beds, and dried arrangements. The textured foliage is often aromatic. Prefers full sun in a light acidic soil. Cutting plants back halfway at the end of June improves blooming and appearance.

Wood Sage (x sylvestris) is the result of a cross between nemorosa and pratensis. It is sold under various synonyms including S. x alpestris, S. x asperula, S. x collina, and S. x superba.

nemorosa 'Caradonna' n. 'East Friesland' ('Ostfriesland') n. 'Salvatore Blue' n. 'Wesuwe' x sylvestris 'May Night' ('Mainacht')	blue-violet violet-purple deep blue blue-purple deep violet-blue	12-24" 12-18" 10-12" 12-18" 18-24"	Z4 Z4 Z3	1
50ct Seed .90 (45.00/ 38ct 1.25 (47.50/ #1 container 5.70 #2 container 11.25	,			
nemorosa 'Marcus' ('Haeumanarc' PP# 13,322) n. 'Sixteen Candles' (PP# 33.133)	deep violet pink	6-12" 24-28"		Jun-Sep Jun-Jul
38ct	flat)			

All varieties are not maintained in all sizes.

Phone: 269-471-7408

Sedum Zone Varies

Stonecrop



Succulent-type perennials that prefer sunny, hot areas in a loose soil with good drainage. Sedum are especially susceptible to variations in color, habit, height, etc. depending on growing conditions, light, temperature, etc. They may change color frequently throughout the season.

The Sedum genus is so large it is being subclassified or reclassified. As these come into general use, Twixwood will note them as alternate names. Other genus or subgenus names you will see include *Hylotelephium*, *Petrosedum*, *Phedimus*, *Rhodiola*, and *Sinocrassula*.

	Foliage Color Flower Color			
cauticola 'Lidakense'	blue green pink	3-6"	Z 4	Jul-Sep
kamtschaticum	green yellow	6-8"	Z 4	May-Jun
rupestre 'Angelina' {petrosedum}	yellow conifer like yellow	6-9"	Z4	Jun-Jul
(aka reflexum 'A.)				
r. 'Making Progress'	dark green/red yellow	3-6"	Z 4	Jun-Aug
spurium 'Dragon's Blood'	green w/ purple to red pink	3-6"	Z3	Aug-Sep
tectractinum 'Coral Reef'	green turn red pale pink	1-3"	Z 5	Jul-Aug
#1 container 4.	85			

Other sizes for these and additional varieties can be found in the Groundcover Section.

'Carl' {Hylotelephium} 'Joyful'	gray-green magenta-pink green pink	16-18"	Z3 Z4	Aug-Sep Jul-Oct
spectabile 'Autumn Fire'	gray-green rose-pink	12-24"		Aug-Oct
{Hylotelephium} s. 'Autumn Joy' ('Herbstfreude') {Hylotelephium}	gray-green pink-red	18-24"	Z3	Aug-Oct
s. 'Neon' {Hylotelephium}	gray-green magenta	12-24"	Z3	Aug-Oct
38ct#1 container	,			

Continued on Next Page

Sedum (continued)				
Autumn Charm TM	blue green w/white edge pink	14-18"	Z3	Aug-Sep
('Lajos') {Hylotelephium}				
Autumn Delight TM	chartreuse w/blue-green pink	18-24"	Z3	Aug-Sep
('Beka' PP# 18,398) {Hylotelephium}				
ellacombianum 'Cutting Edge' (PP# 28,926) {Phedimus}	green w/yellow edge yellow	6-8"	Z4	Jul-Aug
'Lime Joy' (PP# 32,135)	gray-green red	15"	Z4	Sep
'Matrona' {Hylotelephium}	gray-green, red stem pink	24-30"	Z3	Aug-Oct
'Peace & Joy' (PP# 30,858)	green magenta	12-14"	Z4	Sep
'Pillow Talk'	gray-green, red stem pink	18-24"	Z3	Sep
(PP# 28,528) {Hylotelephium}				
'Plum Perfection'	green to gray to plum pink	6-8"	Z3	Aug-Sep
(PP# 22,690) {Hylotelephium}				
'Rock Star' (PP# 29,036)	gray-green pink	9-12"	Z4	Aug-Sep
'Sunset Boulevard' (PP# 32,697)	lime-green raspberry	18-24"	Z4	Aug-Sep
Sunsparkler® Series				
'Blue Elf' (x Sedoro)	steel-blue dark pink	3-6"	Z3	Aug-Sep
(PP# 27,113) {Hylotelephium} Bl	ue Elf is an interspecies cross (orostachys	x sedum)		
'Dazzleberry'	blue-gray raspberry-pink	6-9"	Z 3	Aug-Sep
(PP# 22,457) {Hylotelephium}				
'Firecracker'	burgundy red pink	6"	Z4	Aug-Sep
(PP# 26,595) {Hylotelephium}				
'Jade Tuffet'	green w/red stem pink	12-14"	Z4	Aug-Sep
(PP# 28,090) {Hylotelephium}				
38ct 1.	60 (60.80/flat)			
#1 container 6.	30			
Proven Winners® ROCK 'N GR				
'Back in Black' (PPAF)	near black red w/cream petals	20-24"	Z3	Aug-Sep
Mojave Jewels® Series				
'Diamond' (PPAF)	reddish green rosy pink	12-15"	Z 3	Aug-Sep
'Ruby' (PPAF)	purplish black blood red	12-15"	Z 3	Aug-Sep
'Sapphire' (PPAF)	blue baby pink	12-15"	Z3	Aug-Sep

All varieties not maintained in all sizes.

#1 container..... 9.80

See more varieties & sizes in the Groundcover Section.

Stachys Zone 4-8

Lamb's Ear, Betony

Stokes' Aster

Twixwood grows two quite different forms of the genus *Stachys*, each represented by different common names.

Lamb's Ear forms a clump of large fuzzy leaves and rarely flowers in the landscape. 'Helene von Stein', sometimes called 'Big Ears', belongs to this type.

Betony forms a clump of glossy green foliage and flowers profusely. Sometimes classified as *S. betonica* or *Betonica officinalis*. 'Hummelo' and Brent Horvath's two introductions from Intrinsic Perennial Gardens, 'Summer Crush' and 'Summer Romance' belong to this type. *Stachys* 'Hummelo' was the 2019 Perennial Plant of the Year®.

Both types of *Stachys* make excellent groundcovers in mass plantings.

Stokesia			Zone 5-9
38ct	/flat)		
x 'Summer Crush' (PP# 29,899) x 'Summer Romance' (PP# 30,243)	pink purple	18-24" 18-24"	Jun-Jul Jun-Jul
38ct	/flat)		
byzantina 'Helene von Stein' (aka 'Big Ears') officinalis 'Hummelo'	purple rose-lavender	6-12" 18-24"	Rarely Jul-Sep

Stokesia is a North American perennial native to the wet bottomlands and pine woods of the south. Peachie Saxton of Mississippi selected this cultivar for its longer bloom time which can be expanded by deadheading. May require winter protection in Zone 5.

Teucrium Zone 5-7
Spreading Germander

A slow-speading, dense groundcover. Purplish-pink flowers reach 3" above foliage. 'Pride of Georgia' is a Chicagoland Grows® introduction from a Chicago Botanic Garden seed collection trip to the Republic of Georgia. Half of the royalties benefit the Institute of Botany at the Ilia State University, The Republic of Georgia.

May be late or limited availability

Vernonia Zone 4-9

Ironweed

This is an upright perennial that typically grows 2-4' tall on stiff, leafy stems which branch at the top. Narrow, linear to lance-shaped leaves up to 5" long have serrated margins. Flowers give way to rusty seed clusters. Blooms late summer to fall. Their purple flowers contrast nicely with the bright yellow of *Solidago* blooms. Excellent pollinator plants.

The *lettermannii* species of Ironweed is sometimes called Smooth Ironweed. Generally grows taller in moist soils. The Summer Series are Chicagoland Grows® introductions selected for better performance and disease resistance.

lettermannii 'Iron Butterfly'	purple	24-36"	Jul-Sep
38ct#1 container	,		
'Summer's End' (PP# 33,602)*	dark purple	32-42"	Sep-Oct
'Summer's Surrender' (PP# 28,47	dark purple	40-50"	Sep-Oct
'Summer's Swan Song' (PP# 28,5	dark purple	24-30"	Sep-Oct
38ct#1 container	,		

^{*}In production, may have late or limited availability.

Veronica	Zone 4-8
Speedwell	0

'Blue Sprite', like 'Blue Yonder', is a groundcover type of Veronica. It was introduced by Chicagoland Grows® . 'Kiss the Sky' and 'Spike' are upright forms from Brent Horvath of Intrinsic Perennial Gardens.

'Blue Sprite' (PP# 29,581)	violet	4-5"	May-Jun
'Blue Yonder' (PP# 27,284)	violet-blue	4-6"	May-Jun
'Kiss the Sky' (PP# 31,665)	sky blue	24"	Jun
'Spike' (PP# 27,814)	blue	12-15"	Jun

All varieties not maintained in all sizes.

Veronicastrum			Zone 3-8
Culver's Root			$\overline{\circ}$
These selections of the native V. virgin but will get floppy with too much. Re		. They tolerate	some shade
virginicum 'Queen of Diamonds'	light pink	48"	Jun-Jul
38ct	0.80/flat)		
v. 'Red Arrows'	deep violet	48"	Jul-Aug
38ct 2.15 (81	.70/flat)		
#1 container 8.70	•		
Yucca			Zone 4-10
Adam's Needle			$\overline{\circ}$

Yucca filamentosa is a native evergreen shrub from the sand dunes and beaches of South Carolina and Florida, that has adapted well to more northerly climates. The Adam's Needle common name refers to the tall flower stalk with bell shaped flowers. The variegated foliage of the 'Color Guard' cultivar gives this variety year-round interest.

filamentosa 'Color Guard' creamy white 36-72" Jun-Jul #1 container...... 9.80

Twixwood Sales Yard



Twixwood Nursery maintains a Sales Yard at our main location for local (and sometimes not so local) customers who enjoy the one-stop shop experience. The Yard is stocked with a wide selection of Perennials, Groundcovers, Grasses, and Shrubs. We stock with a focus on popular items and our best looking Bud and Bloom, providing a small snapshot of what is available from our other farm locations. Many landscapers have designed for their jobs while shopping the Sales Yard and left with what they needed the same day.

Contact your local sales rep for more details on current yard availability. Walk-ins are always welcome.

yard@twixwood.com



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Twixwood Nursery, LLC

P.O. Box 247

Berrien Springs, MI 49103

Phone: (269) 471-7408

Fax: (269) 471-2495 or (800) 854-1756

E-mail: <u>info@twixwood.com</u>
Web: www.twixwood.com

PERENNIALS IWXWOOD NURSERY

Terms & Conditions

THIS LIST CANCELS ALL OTHERS.

PRICES

All prices are F.O.B. Berrien Springs, Michigan. All advance orders are booked subject to prices and availability at the time of shipment. Prices are subject to change without notice.

CREDIT ACCOUNTS

Orders are accepted on a cash, company check (personal or third party checks may not be accepted), or credit card basis only, unless a confidential credit application has been submitted and approved by Twixwood Nursery. Terms for approved credit applicants are Net 30 to customers with established credit. Allow 4-6 weeks for processing the credit application. First orders for all new customers are by pre-payment only. A surcharge of 1.5% per month (18% per year) will be applied to unpaid accounts after terms from date of shipment. Payment on account may be applied to finance charges first.

DELINQUENT ACCOUNTS

Accounts not in good standing or significantly past due may have payment terms removed. Payment terms are not automatically reinstated and may require a new credit application process.

NON-SUFFICIENT FUND (NSF) CHECKS

A \$30 charge will be assessed for NSF checks.

CREDIT CARDS

Payment by Visa, Mastercard, and Discover is accepted. Please call the accounting department during normal business hours. Credit card information is not maintained for future use unless a form is filled out and signed by the customer allowing such information to be maintained through the end of the calendar year.

CREDIT BALANCES & WRITE OFF AMOUNTS

Twixwood reserves the right to write off any unclaimed credit balances under \$10 at the end of the calendar year.

LIMITED WARRANTY*

We warrant our plants to be true to name and to be in good living condition at the time of shipment. All other warranties are specifically excluded, including but not limited to the warranty of merchantability or fitness for intended use and any warranty regarding future

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growth. Our warranty is limited to the seven day period immediately after delivery. All liability for incidental and consequential damages are excluded from this limited warranty. The following remedy applies and is your exclusive remedy: Limited warranty claims will be resolved by the replacement of defective plants only. All orders are accepted and shipments made subject to crop conditions and may be cancelled, prorated or changed based on availability at the time of shipment. (See Boxwood/Pachysandra note below.)

CLAIMS*

All plants become your property at the time of delivery. Plant claims that are covered by our limited warranty (see above, and Boxwood/Pachysandra note below) must be submitted in writing within 7 days of shipment. All honored claims will be resolved by the replacement of defective plant material only. Replacement plant material will be provided by Twixwood Nursery as soon as production plans permit and will be shipped at cost.

CHOICE OF LAW FORUM

It is agreed to by both parties that any contract for sale of goods and services made between Twixwood Nursery, LLC and the buyer is made in Michigan and shall be governed by Michigan law. Any action pertaining to such sale shall be venued in Berrien County, Michigan.

The buyer also agrees that in the event of non-payment of an overdue account, they shall be liable for collection charges, including reasonable attorney fees.

*BOXWOOD BLIGHT & PACHYSANDRA

Twixwood is a participant in the Boxwood Blight Compliance Agreement. Our stock is regularly inspected and is clean. However due to these concerns, all Boxwood sales are final and Twixwood cannot accept returned or refused plants. Pachysandra is a host plant for Boxwood Blight although the blight apparently does not adversely affect the Pachysandra itself. However because of its ability to host the blight, Twixwood may also not accept refused/returned Pachysandra.

See additional information under the Shipping Information Section

Earned Volume Discounts

EARNED VOLUME DISCOUNT PROGRAM

Twixwood's Volume Discount Program is based on payment history and on purchases of the previous year. To qualify for these volume discounts your account must be kept current and there cannot be any outstanding finance charges. Discounts removed on delinquent accounts are not automatically reinstated.

Purchased Amount	Discount
\$7,500	6%
\$15,000	9%
\$25,000	12%
\$50,000	15%
\$100,000	18%
\$150,000	21%

As noted above, discounts may be reduced for historically delinquent accounts at Twixwood's discretion.

Shipping Information

FUEL SURCHARGE

Twixwood reserves the right to add a fuel surcharge to cover costs if the need arises.

ROUTING & SPECIAL REQUESTS

All deliveries are subject to the scheduling of full trucks to a particular area and are routed according to the most efficient route. We make every effort to meet your requested needs, but we appreciate your understanding that this is not always possible. Please inform your customer service rep of your delivery needs, and any flexibility that will enable us to ship efficiently and keep our prices low for you.

RACKS

Twixwood primarily delivers on metal rolling racks. Racks are dropped (left on site) only at the discretion of Twixwood and with the understanding that they will be picked up with the next delivery or at another pre-determined time. Extending rack pick up as well as loss or damage to the racks can result in charges up to \$750/rack.

DETENTION FEE

Twixwood instructs our drivers to assist the customer in getting the plant material to the back of the truck for unloading. We do ask that the unloading be carried out efficiently so the driver can continue on his or her route without delaying other customers. Delays of more than 2 hours on site can result in detention charges up to \$100 per hour.

SHIPPING DAMAGE CLAIMS

All shipping damage must be noted at the time of receipt of the goods. Note any obvious damage or shortages in writing on the truck driver's invoice.

See Previous Pages for Warranty & Damage Claim Information

DELIVERY NOTIFICATION

We will attempt to notify you of deliveries one day in advance. Due to safety concerns and trucking regulations it is not always possible for drivers to notify you closer to delivery.

PICKUP

Twixwood maintains a sales yard beside the main office at 2759 East Shawnee Road, Berrien Springs, Michigan 49103. We attempt to keep it stocked with our better looking and more common items and encourage local wholesale customers to come and shop. To assure availability of specific items, please call and place an order according to the order deadlines noted on the next page. Orders not picked up within 7 days are subject to a restocking fee up to 20%.

ORDER DEADLINES

To ensure and maintain efficient and affordable freight and quality plants upon delivery, Twixwood maintains the following order deadlines. While we make every effort to service our customers, outside of these deadlines it does become much more difficult if even possible, at least without additional charges. Trucks are not routed to all areas every day. Your Customer Service Rep can assist you with determining which days are most likely to have full trucks for your area.

All Times are Eastern Standard Time

Delivery Date	Order Deadline	Additions* Accepted Until**
Monday	1 pm Thursday	6 pm Thursday
Tuesday	1 pm Friday	6 pm Friday
Wednesday	1 pm Monday	6 pm Monday
Thursday	1 pm Tuesday	6 pm Tuesday
Friday	1 pm Wednesday	6 pm Wednesday

^{*}Additions to existing orders. Adding new stops to a routed truck may not be possible.

PLANT LABELS & TAGS

We will put one variety tag in each flat, #1 and larger container. Additional tags may be available for an additional charge. Please notify your customer service representative of additional tag needs. Custom UPC sticker printing is available for an additional charge.

RESTOCKING*

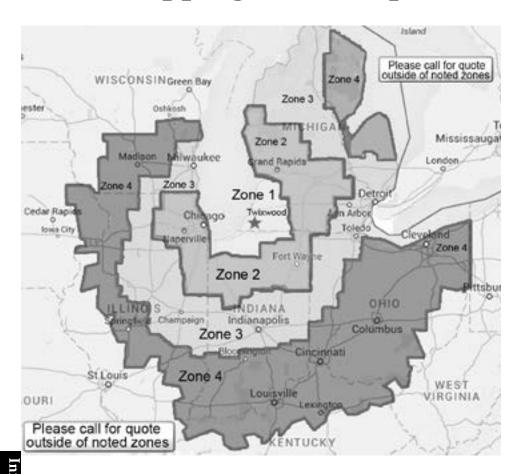
Cancellations, adjustments or postponements to orders after the order deadlines noted above can result in restocking fees up to 20% of the order.

*See previous pages regarding Boxwood Blight & Pachysandra

See additional information under the Terms & Conditions Section

^{**}Additions are only accepted if we have enough time to get them ready and there is enough room on the truck.

Shipping Zone Map



Shipping Zones

Zone	% Charge	Minimum Freight
1	6%	\$100 for Orders Under \$500
2	9%	\$100 for Orders Under \$500
3	13%	\$150 for Orders Under \$750
4	17%	\$250 for Orders Under \$1000

Freight percentages calculate on the order subtotal, after earned volume discounts are removed and before tax is added.

Shipping Zone Information Continued From Previous Page

Please refer to the map for shipping zones. Twixwood maps zones by County and Zip Code. Please call for your exact shipping zone.

Zone	% Charge	Minimum Freight	Key Cities
1	6%	\$100 for Orders Under \$500	Michigan: Holland, Zeeland, Kalamazoo, Dowagiac, Cassopolis, Niles, Saint Joseph, Benton Harbor Indiana: South Bend, Elkhart, Goshen, Mishawaka, Portage, Gary, La Porte, Valparaiso, Michigan City
2	9%	\$100 for Orders Under \$500	Michigan: Ludington, Lansing, Grand Rapids and Battle Creek Indiana: Fort Wayne, Lafayette Illinois: Kankakee, Greater Chica- goland and suburbs, Joliet, Dekalb, Waukegan
3	13%	\$150 for Orders Under \$750	Michigan: Traverse City, Saginaw, Bay City, greater Detroit and suburbs, Ann Arbor Indiana: greater Indianapolis and suburbs, Terre Haute Illinois: Urbana, Champaign, Bloom- ington, Peoria, Dunlap, Rockford Wisconsin: greater Milwaukee and suburbs Ohio: Toledo
4	17%	\$250 for Orders Under \$1000	Indiana: Bloomington, Evansville Illinois: Springfield, Galesburg Wisconsin: Madison, Fond du Lac Ohio: Cleveland, Youngstown, Colum- bus, Dayton, Cincinnati Kentucky: Lexington, Louisville Iowa: Davenport, Dubuque

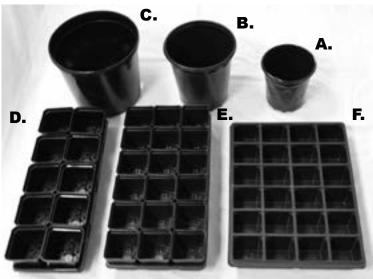
All Areas Beyond: Calculated per order on a truckload, LTL, UPS or Fed-Ex basis.

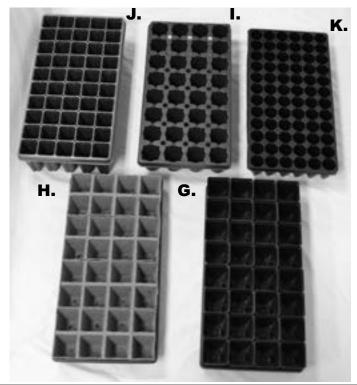
Once your order minimum is reached (\$500 in Zones 1 & 2, \$750 in Zone 3 and \$1000 in Zone 4), freight will calculate just on the percentage basis, not the percentage plus the minimum. This is an incentive to reach the minimum order amount.

FedEx: These delivery zones and rates are based on full trucks. If trucks are not full, or for smaller orders, we may be able to send your order through FedEx and bill you accordingly.

Phone: 269-471-7408 <u>www.twixwood.com</u>

Package Sizing





Container Specifications

			Approximate Dimensions				
	Size	Description	Cell			Tray	Legal Volume
	Size	Description	Diam- eter	Width	Depth		Legai volume
A	#1	#1 Pot	6.50"	round	6.50"		2.50 qt / 2.37 L / Pot
В	#2	#2 Pot	8.50"	round	8.50"		6.00 qt / 5.67 L / Pot
С	#3	#3 Pot	10.41"	round	9.50"		11.16 qt / 10.60 L / Pot
D	10ct	10ct Flat	3.75"	3.75"	3.50"	7.5" x 19.9"	18.4 fl oz / 544 mL / Pot
Е	18ct	18ct Flat	3.25"	3.25"	3.50"	11.0" x 20"	16.0 fl oz / 473 mL / Pot
F	24ct Standard	24ct Standard Flat	2.75"	2.75"	2.50"	13.5" x 18"	5.8 qt / 5.49 L / Flat
G	32ct	32ct Flat	2.63"	2.63"	3.50"	10.8" x 21.2"	9.50 fl oz / 250 mL / Pot
Н	32ct Peat	32ct Peat Flat	2.25"	2.25"	2.25"	10.8" x 21.2"	5.49 fl oz / 162 mL / Cell
I	32ct Plug	32ct Plug Flat	2.00"	round	4.00"	11.0" x 21.5"	5.58 fl oz / 165 mL / Cell
*	38ct*	38ct Plug Flat	2.25"	round	5.00"	10.8" x 21.2"	6.70 fl oz / 195 mL / Cell
*	50ct Seed	50ct Plug Seed Flat	1.75"	1.75"	2.25"	11.0" x 21.2"	2.88 fl oz / 85 mL / Cell
J	50ct Plug Deep**	50ct Plug Deep Flat	2.00"	2.00"	5.00"	10.9" x 21.4"	6.59 fl oz / 195 mL / Cell
K	72ct Plug	72ct Plug Flat	1.50"	round	3.25"	10.8" x 21.2"	2.30 fl oz / 68 mL / Cell

Other sizes and variations on these tray configurations are used primarily for internal production purposes but may also ocassionally be offered for sale. Weights and measures of those can be provided upon request.

Phone: 269-471-7408 www.twixwood.com

^{*38}ct and 50ct Seed flats are not pictured.

^{**}Several 50ct Plug Deep tray styles are currently in use. The one pictured and described is the one preferred by Twixwood and generally offered for sale.

Name	Botanical Name	Page
Achillea	Achillea	32
Acorus	Acorus	<u>18</u>
Adam's Needle	Yucca	<u> 68</u>
Agastache	Agastache	
Ajuga		6
Alchemilla		32
Allium		33
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Amsonia		34
Andropogon		18
Anemone		34
Anise Hyssop		
Appalachian Sedge		21-23
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Arctostaphylos		6
	Artemisia	
Aruncus		35
Asarum		
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Aster		
Aster, Stokes'	Stokesia	
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Bedstraw		
Bee Balm.		58
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Bethlehem Sage		
Big Plycotom Cross	•	
Big Bluestem Grass		
Big Ears		
Black Brass Buttons		8
Black-Eyed Susan		
Blazing Star		
Blood Grass, Japanese		
Blue False Indigo	•	
Blue Elf	Sedum x Sedoro 'Blue Elf'	13
Blue Elf	Sedum x Sedoro 'Blue Elf'	65
Blue Fescue		24
Blue Flag		55
Rlue Grama	Routeloua	10

Name	Botanical Name	Page
Blue Oat Grass	Helictotrichon	
Blue Sedge		
Blue Sheep's Fescue	. Festuca	24
Blue Star		
Blue Star Creeper		
Blue Switch Grass		
Blue Wild Indigo		
Blue Zinger Sedge	Carex 'Blue Zinger'	21-23
Blue-Green Sedge		
Bluestem Grass		
Bluestem Grass		
Bottlebrush Sedge		
Bouteloua		
Bowles' Golden Sedge		
Boxwood Blight		
Bristle-Leaved Sedge		
Broad-Leaved Woolly Sedge		
Brown Fox Sedge	Carey vulninoidea	21 22
Brunnera		
Bugleweed		
Bugloss		
Bush Clover		
Butterfly Milkweed		
Butterfly Weed	Asciepias	
Calamagrostis		
Calamint		
Calamintha		
Campanula		
Canadian Wild Ginger		
Canterbury Bells		
Cardinal Flower		
Carex		
Catmint		
Catmint		
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Map and Directions



Directions to Twixwood: 2759 East Shawnee, Berrien Springs, MI 49103

From Chicago take I-94 East to Bridgman, Michigan. Take exit #16 ("Red Arrow"), turn right (North) and go to the traffic light. Turn right (East) onto Lake Street and go 8 miles (Lake Street will change to Shawnee Road.) The Nursery is on the left (North) after Garr Road.

From Indianapolis take US-31 North of South Bend, Indiana. Take Michigan Exit 13 for Berrien Springs. At the end of the ramp, turn right (West) onto East Snow Road. Go 1.2 miles. Turn right (North) onto Red Bud Trail. Go 1.5 miles. Turn left (West) onto East Shawnee Road. The Nursery is on the right (North), 0.6 miles. The drive is just in front of the big gray barn.

From Detroit take I-94 west to exit #30. Turn left (East) onto U.S. 31 South/East Napier Avenue. Go 2 miles. Turn right (South) onto U.S. 31 South ("South Bend".) Take Berrien Springs exit #15. Turn right (Northwest) and go to the traffic signal. Turn left (South) onto Red Bud Trail. Go 2 miles to the 4-way stop. Turn right (West) onto Shawnee Road. The Nursery is on the right (North), 0.6 miles. The drive is just in front of the big gray barn.

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