



Friends School of Minnesota
 1365 Englewood Avenue
 Saint Paul, MN 55104

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FINDING THE SALE



FREE
 Catalog

Friends School Plant Sale



May 10, 11, 12, 2024
Mothers Day Weekend
Minnesota State Fair
Grandstand
Free Admission



www.FriendsSchoolPlantSale.com

35th Annual Friends School Plant Sale

May 10, 11, and 12, 2024

Friday 9:00 A.M.—8:00 P.M. • Saturday 10:00 A.M.—6:00 P.M.

Sunday remaining plants one-third off 10:00 A.M.—2:00 P.M.

At the Minnesota State Fair Grandstand • Free admission • Free parking

www.FriendsSchoolPlantSale.com

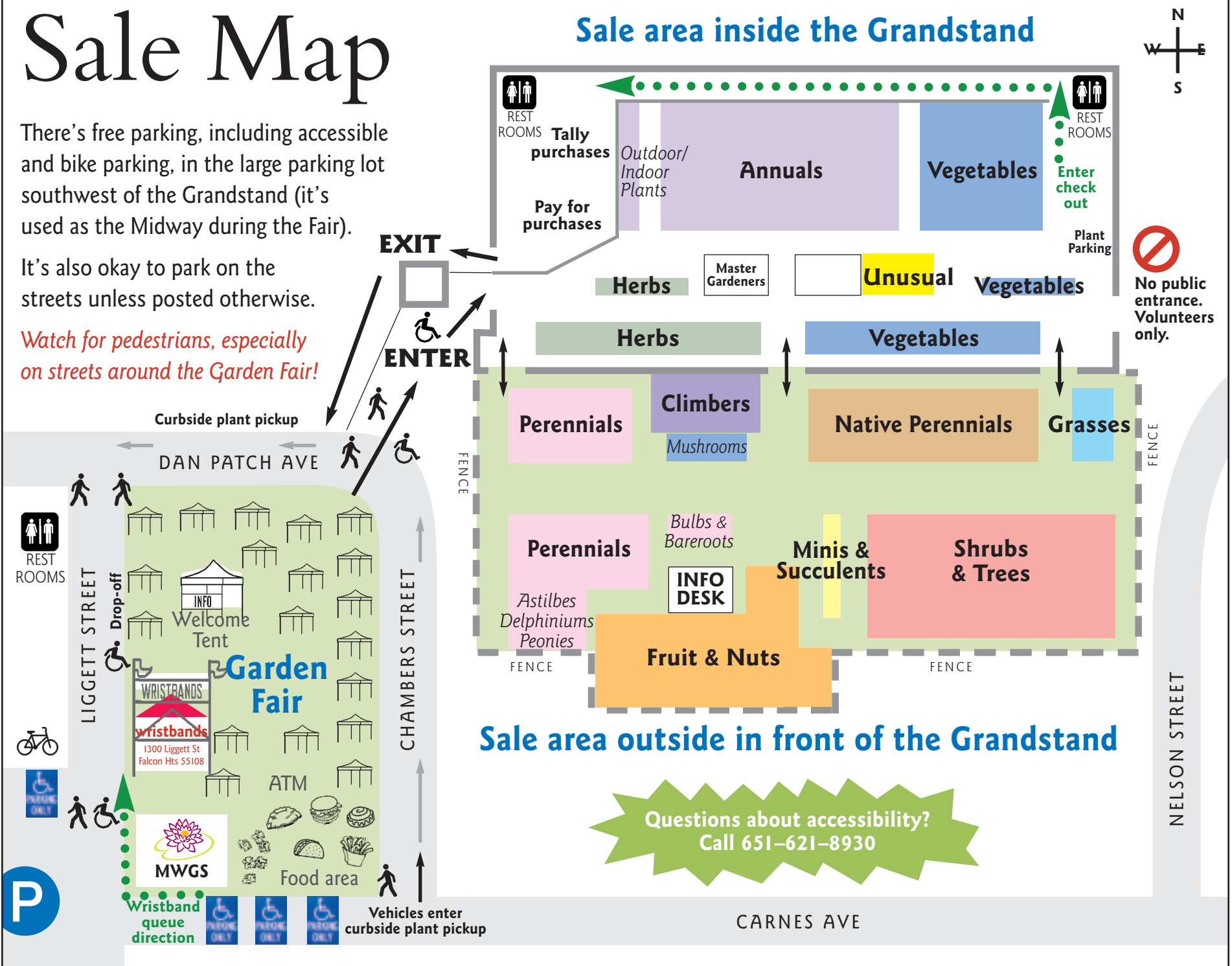
info@FriendsSchoolPlantSale.com • 651-621-8930

Sale Map

There's free parking, including accessible and bike parking, in the large parking lot southwest of the Grandstand (it's used as the Midway during the Fair).

It's also okay to park on the streets unless posted otherwise.

Watch for pedestrians, especially on streets around the Garden Fair!



CONTENTS

FEATURES

What's New This Year	2
About Friends School	2
How to Do the Sale	3
Garden Fair	4
Make a "Seed Bomb"	5
Water Plants	6-7
Our Policy on Neonic Pesticides	18
Zero Waste 2.0 – an Update	29
Plants for Eco-Dyeing	30-31

INDEX

By Common Name	58
By Latin Name	59

PLANT LISTINGS

Herbs	8-10
Basil	8
Lavender	9
Vegetables	11-18
Peppers	15
Tomatoes	17-18
Unusual & Rare Plants	19-20
Annuals	21-29
Outdoor/Indoor Plants	21-22
Coleus	23
Dahlias	24
Impatiens	25
Marigolds	26
Petunias	27

PLANT LISTINGS

Perennials	32-40
Daylilies	33
Hostas	35
Iris	36
Lilies	37
Peonies	39
Stonecrop	40
Miniatures & Succulents	41-42
Climbing Plants	43-44
Fruit & Nuts	45-47
Shrubs & Trees	48-51
Roses	51
Native Perennials	52-56
Grasses & Sedges	57

What's New in 2024

New plants...and more plants

This year, we have 250+ new plant varieties:

- 59 annuals, including 8 dahlias, plus notable additions to the impatiens, lisianthus, petunias, and begonias
- 58 perennials, with 11 daylilies, 5 iris, 17 lilies, and 11 peonies,
- 6 new clematis in Climbers,
- 15 shrubs or trees,
- 35 Unusual & Rare plants, with 8 new hardy hybrid lady's slippers and 6 hellebores,
- 15 fruit and nuts, with more multiply grafted fruit trees and some new strawberry varieties,
- 12 herbs, including 5 dye plants,
- 41 vegetables, especially many more organic seed offerings.

And perhaps more notable than the new plants: overall, we have *more* of each plant variety, so we hope to have more types of plants available throughout the day.

Texts replace tweets for wristband group announcements

We will no longer post individual wristband group admission times on Twitter. Instead, you can sign up to get a text message when it's your turn to shop, or when wristbands are no longer required each day. You can sign up for texts after

you receive your wristband or on the day you shop at [FriendsSchoolPlantSale.com/wristbands](https://www.FriendsSchoolPlantSale.com/wristbands). (Note: messaging and data rates may apply.)

Find the astilbes and delphiniums

Within the Perennial section, we're moving the astilbes and delphiniums onto the tables where the peonies have been located. That will give these tall plants more head room so they don't get crushed on the tables. (*See the map, page 1.*)

We have also added taller tables in some sections to fit more plants in the same floor space.

New articles

Our featured article this year is about plants for **eco-dyeing** (page 30). We've carried a number of these plants for years without much notice, and this year we've added several others that are important parts of the dyer's palette.

We've got an update on our **Zero Waste efforts** from last year (page 19). And find out about making **seed bombs** (page 5).

Almost normal


Things at the plant sale are more or less back to pre-covid operations, except with more space built in. We are very happy to encourage

N95 masks for anyone who wishes to wear one (especially inside the building).

We don't anticipate changes to this policy, but please check our website or social media in the week before the sale in case of updates.

—Friends School Plant Sale committee

Accessibility at the sale

There is marked street parking on Carnes Ave. (the south edge of the Garden Fair), and in the Midway parking lot closest to the Wristband Booth, west of Liggett Street. 

There is also a drop-off area along Liggett Street just north of the Wristband Booth.

The Metro Mobility drop-off address is

1300 Liggett Street.

Please call us at 651-621-8930 with any type of accessibility question, or email info@FriendsSchoolPlantSale.com.



About Friends School of Minnesota

Dear friends,

Thank you!! We appreciate your dedication to our plant sale and your support for our school.

Friends School of Minnesota first opened our doors in 1988. Like many small schools, we knew we would need to raise funds to help our school operate. We asked ourselves, "What kind of fundraiser makes sense for us?"

Our mission is **"to prepare children to embrace life, learning and community with hope, skill, understanding and creativity."** For a community that believes in peace, justice, simplicity,

integrity, and serving the environment, what fundraiser could be better than a plant sale?

Our first plant sale catalog was one double-sided piece of 8.5 x 11 paper, and we sold 2,000 plants. With the commitment of volunteers and shoppers like you, our sale has grown to what you see today.

The values of peace and equity—how to end injustice so that we may all experience true peace—were and are foundational principles of Friends School of Minnesota.

That philosophy still lives at the heart of the plant sale community and our sale.

Your purchases, volunteer hours, and round-up donations play an important part in making Friends School a vibrant place where students can grow as learners and as people who value peace and justice.

On our website, [fsmn.org](https://www.fsmn.org), you will see these words: "We prepare children to be active participants in our democracy. Our graduates leave with a foundation guided



by values and an intellectual discipline that prepares them for a rich and successful academic life. They are prepared to ask complex, thoughtful questions, to find answers, to advocate for themselves and others."

Your support of the plant sale helps us to bring this mission to life and allows us to create a school with:

- Generous tuition aid for over 40 percent of families
- Average class size: 16
- Integrated K–8 arts program
- Conflict resolution program to help students navigate relationships, understand differing perspectives,

and express empathy—vital skills needed to build a more just world.

- Hands-on, outdoor environmental education

Thank you, again, for all you do to help the plant sale!

In gratitude,

Joe Mueller, Head of School
Friends School of Minnesota

p.s. We're located just two miles from the Fairgrounds in the Hamline Midway Neighborhood of St. Paul. Visit our website ([fsmn.org](https://www.fsmn.org)) to learn more or schedule a tour.

"Friends School taught me about activism, history, and important current events that impact the world today. I'm thankful for everything I've learned here and how much it helped me grow as a person."

—Sonja, class of 2021

Every year, more than 20,000 people visit our plant sale. We try to make the shopping experience as smooth as possible. This is an overview of the sale. You can find more tips and updates on our website.

How do I get into the sale?

Buses stop next to the Fairgrounds on Como Ave. and Snelling Ave. at Como (Gate 9 is the best entry point on foot). There's a great bike path on Como, too. If you drive, there are free parking spaces, especially in the Midway parking lot. Check the map, page 1.

Wristbands are needed for entry—from before the sale opens until at least early afternoon. Get one at the Wristband Booth, located on the west edge of the Garden Fair (details at the bottom of this page).

While you wait for your turn to enter, visit the Garden Fair, also the location of the Minnesota Water Garden Society. You will be outside for this part, so dress for the weather!

How do I shop?

At the Welcome Tent in the Garden Fair or as you enter the sale, you'll get a clipboard and tally sheet to record your plants and their prices. **Write down the plant names, prices, and quantities as you select them.** You can also write a list ahead of time (blank sheets are at www.tinyurl.com/plantlist2024) or create an online shopping list with quantities and prices at www.FriendsSchoolPlantSale.com like the one shown here:

Name	Price	Qty	Quantity	Total
Chlorophytum comosum	\$4.00	100	100	\$400.00
Sedum spectabile	\$4.00	100	100	\$400.00
Sedum spectabile	\$12.00	100	100	\$1200.00
Sedum spectabile	\$4.00	100	100	\$400.00

Your online list shows each plant's catalog number and price. You can update the quantity for each plant to get an idea of how much your total will be. It's easy to remove plants if you change your mind. Print it out and bring it to the sale OR use your list on your phone.

If you've preprinted a shopping list from the website, remember to make notes on your list if you add or remove plants or change quantities.

We have a limited number of grocery store carts available, so it's a great idea to bring your own wheeled wagon or cart (no sleds or linked carts, please). Folding canvas wagons are also popular!

Once you're inside, there are maps and signs and volunteers to help you find the plants you're looking for.

When's the best time to come?

Each time has its own flavor. Friday and Saturday morning attract the most people, so if

How to Do the Sale

We encourage you to bring your own boxes or other containers. See page 29 for info on the raffle for people who bring their own! (We do also have boxes for people who can't bring their own.)



Smile—you get to hang out with hundreds of other gardeners.

Wristbands are used to keep the entrance to the sale orderly and fair. See the box below, and page 2 for our new texting system for announcing entry numbers.

We strongly recommend bringing your own wagon or cart (although we do have a limited number of grocery carts).

TALLY SHEET!
Most important: write down ALL of your plants and their prices as you select them.

Dress for the weather, but remember, no matter how warm it is outside, it's always cold in the Grandstand.

These shoes are made for walking. There are 2.5 acres of plants.

you come at those times you will see the plant sale at its most festive and busy, with the best plant selection.

Later in the afternoon on Friday and Saturday is great for relaxed shopping with little waiting. Sunday is always an adventure. See what you can get for one-third off!

Are there lines?

There are three lines that you might experience:

- Wristband line:** in the mornings.
- Entry line:** this is where you go, briefly, when your wristband number is called.
- Checkout line:** If this occurs, it may seem long but it moves, in the words of one shopper, "freaky fast." Look for the "Enter Line Here" sign along the east wall.

Later in the day, there are usually no entry lines, and often no line at the checkout.

How are the plants organized?

Within each section (Herbs, Grasses, etc.) plants are alphabetical by their common names and are numbered as in the catalog. You can also look plants up in the index, pages 58 and 59.

Who can answer my questions?

Look for students and volunteers in bright yellow "Ask Me" vests, or sale organizers with pink hats. You can also get help at the Info Desk tent (outside under the big ramp in front of the Grandstand), from Master Gardeners inside at the center of the Grandstand, and from the Welcome Tent in the Garden Fair.

What about checking out?

Checkout is a two-step process: Your plants are added up in one area, based on your tally sheet, then you go to the cashier tables to pay. You can use check, cash, Apple Pay, or credit/debit card.

Always write the full price of plants on your tally sheet. On discount Sunday, the one-third discount is taken at the register.

After paying, you can **leave your plants at curbside plant pickup** west of the Grandstand and return to get them with your car. Please **drive slowly and watch for pedestrians.** If you used one of our shopping carts, you cannot take the cart to your car. Volunteers in orange vests will help at the curb.

Thanks!

This catalog and our website is brought to you by:

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On the cover
Salvia Summer
Jewel Red A344.

Photo by Michelle Mero Riedel

Why Are There Wristbands?

Our plant sale is popular. More people want to shop than the Grandstand can comfortably hold. Using a wristband entry system is one way to minimize crowding.

Shoppers are given a paper wristband, one per person, until the number of people decreases.

With a numbered wristband, you don't have to stand in line during the busiest times. It's the fairest way to handle the number of people who want to enter the sale at the same time.

Wristbands are distributed at the Wristband Booth starting at:

- Friday: 6:30 a.m.** (sale opens at 9:00 a.m.)
- Saturday: 8:00 a.m.** (sale opens at 10:00 a.m.)
- Sunday: 9:00 a.m.** (sale opens at 10:00 a.m., all remaining plants 1/3 off)

Once the sale opens, you will enter the building in a group, according to the number on your wristband.

Visit our outdoor Garden Fair after picking up your wristband (see page 4 for more on the Garden Fair) or visit a local coffee shop (listed at www.FriendsSchoolPlantSale.com/restaurants).

We make frequent loudspeaker announcements of each wristband number and (new this year, see page 2) **you can sign up to get a text message** when your number is called. As your number draws close, plan to be near the entrance to the Grandstand.

If you leave the area and return after your group has entered the building, you'll go into the sale with the next group that's admitted. If we run out of shopping carts and you need one, you will have to wait until one is available, even if your number is called.

Please note: If you have friends arriving later than you or parking the car, they will be given a wristband at their arrival time. This system makes the process as fair as possible for everyone.

www.FriendsSchoolPlantSale.com/doing-sale

Garden Fair

Located in the grassy field southwest of the Grandstand where the Wristband Booth is (see map, page 1).

EXHIBITOR HOURS

Friday 7:00 a.m.–6:30 p.m. *Some exhibitors may be open shorter or longer hours.*
 Saturday 8:30 a.m.–6:00 p.m.
 Sunday 9:00 a.m.–2:00 p.m. *Some may not be open on Sunday.*

A&T Designs

Metal art wind balancers. 651-322-0362

Cedar Valley Family Farm NEW

Cultivate vibrant, healthy gardens and contribute positively to the environment with Cedar Valley Family Farm’s premium vermiculture and eco-friendly products: nutrient-rich soil, vermicompost, Hannah’s Secret mineral mix, and vermicompost tea. Also on display: The Hungry Bin, The WormFactory 360, and a healthy bed run of composting worms for you to dig in. hannah@minnesotaredworms.com



Cowsmo

Fifth-generation dairy farmers from near Cochrane, Wisconsin, make and sell the finest cow manure compost, organic compost and potting soils throughout the Midwest. Check their website for local businesses in the Twin Cities and suburbs where the compost is sold. CowsmoCompost.com



Eureka Pots of Minnesota

Add an artful touch to garden, patio, or home. Create your unique garden stack. Build colorful ceramic pieces stacked on copper pipe. Mix and match from many sophisticated to playful botanical-inspired shapes and sizes. Winter-hardy durable stoneware made by hand in Minnesota. eurekapots.com



EZSwap Pots

A brother duo from Wisconsin makes fabric liners as an alternative to coco liners for your hanging planters. We also make unique fabric transplantable pots that truly make transplanting easy. ezswappots.com or Facebook @ ezswappots



Friends for a Nonviolent World NEW

Friends for a Nonviolent World works to create a world free from violence. Programs include the Everyday NonViolence Podcast that highlights leaders working to create an equitable world; Alternatives to Violence Project (AVP) that provides adults and youth with experiential workshops in nonviolence and conflict transformation in prison and community settings; and People Camp, a social-change summer camp. FNVW.org



Holistic Health Farms

Reasonably priced burlap coffee bags for weed barrier and a million other purposes. (Located outside the plant sale’s exit door.) Off-site pickup can be arranged. tpage4@gmail.com



Honey Do Products Plant Stakes

Mark herb, vegetable, and flower gardens with these 7.75” plant marker stakes. Available in over 300 plant names from Asparagus to Zucchini, Alyssum to Zinnia, and also check out the humorous ones like “Not Dead Yet” or “Cheaper than Therapy.” facebook.com/honeydoproducts



Little Black Rake NEW

The Little Black Rake (Stone Cottage Gardens), created and manufactured in MidMichigan, is a lightweight, double-tined rake that has many uses for the landscape, garden, and animal clean-up. Find us on Facebook, our website, or phone us at 989-965-0259. LittleBlackRake.com



Minnesota State Horticultural Society (MSHS)

Frustrated by the mountain of inaccurate or irrelevant growing info for northern gardeners? We get it—we live and garden in a short season, too. For 155+ years, MSHS has been supporting northern gardeners of all ages and skill levels with *Northern Gardener* magazine, classes, an online Resource Hub, blog, and bimonthly enews. Find growing tips and inspiration for this area, so you can spend less time digging for info and more time enjoying your garden. Members save \$5 on a purchase of \$50 or more at the Friends School Plant Sale, among many other discounts. Not a member? Join our growing northern gardener community today! northerngardener.org/membership/become-a-member



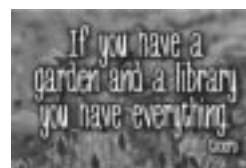
Minnesota Water Garden Society (MWGS)

See the plant listing on pages 6 and 7. MWGS was founded to increase the enjoyment and enthusiasm for water gardening through promotion, education and shared experiences. They will be selling a wide variety of plants that grow in water or like wet feet. Check out all the activities and great water garden resources at mwgs.org, follow them on Facebook or visit them during the Garden Fair to find out more.



Northern Sun

Products for progressives since 1979: social justice, environmental, and humorous messages printed on gardening and environmentally themed T-shirts, magnets, canvas bags, stickers, buttons, and more. Located at 2916 East Lake Street. northernsun.com



Organic Lawns by Lunseth NEW

An organic lawn care company that provides an alternative to chemical lawn care. Only 100% OMRI-certified organic fertilizers, natural weed management strategies, and soil amendment applications. organiclawnsbylunseth.com



Ramsey County Master Gardeners

Selling Atlas nitrile garden gloves and offering plant and garden information from experts.



River Bend Gardens

Items to beautify your garden: amethyst garden rocks from large (for outdoor gardens) to small (for flower pots and fairy gardens); “imagination” flower pots made from antique and collectible treasures; garden sculptures and miscellaneous garden items.



Roots, Shoots & Leaves

A mobile houseplant shop offering a variety of live houseplants and accessories to make the hobby of houseplant gardening successful and fun. For the new hobbyist and the experienced plant parent. Come visit to see what’s inside! rsleaves.com



Silver Stamp Company NEW

Hand-stamped garden stakes and plant-themed keychains and bookmarks. Every letter and design is individually and carefully hand-stamped in aluminum. etsy.com/shop/silverstampco



Stonecrete

In its 14th year providing exquisite and decorative garden stones to customers. Hand-cast individually, these garden stones are rated for 4,000 psi and are made to withstand all weather conditions, both in summer and in winter. stonecreteonline.com



Two Mikes

Green Fin Plant Care is a 100%-natural fertilizer produced responsibly from invasive carp species that are damaging Minnesota waterways. Made in the Twin Cities area, Green Fin Plant Care is great for home, garden, or field use. It contains the rich nutrients your plants and crops crave. twomikes.net



More exhibitors may be added. Please check our website for updates:

www.FriendsSchoolPlantSale.com/gardenfair

GARDEN FAIR FOOD

Food sellers keep the standard Garden Fair hours unless noted.



Cinnie Smith’s

Gourmet mini cinnamon rolls, ice cream, sundaes, floats, shakes, hot and iced drinks including coffee.



Edina Coffee Roasters

Locally roasted brewed coffee and specialty coffee drinks. Plus locally roasted whole beans.



Pow Wow Grounds

Traditional fry bread with multiple options, including *wojapi* (Dakota fruit pudding) or meat and vegetarian taco fillings.

Chicken wild rice and Three Sisters soups (vegan, gluten-free).



Smokey’s Charbroiler

Quarter-pound chopped beefsteak burgers, all-beef hot dogs, pulled pork and chicken, nachos, salmon burgers, and veggie burgers. Plus bratwurst, fancy extra-long french fries, onion rings, chicken strips, corn dogs, hot ham and cheese, and fountain pop.



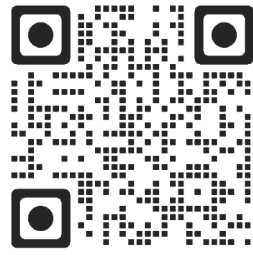
Taqueria el Patron

Tortas and a wide selection of customizable tacos, quesadillas, and fajita burritos, plus fresh guacamole, drinks, and more.



Two Rivers Kettle Korn

Popped fresh with a mix of sweet and salty. It’s a State Fair treat in May!
 Friday 9:00 a.m.–8:00 p.m.
 Sat. 10:00 a.m.–6:00 p.m.
 Sunday 10:00 a.m.–2:00 p.m.



Friends School of Minnesota students throwing seed bombs at Coldwater Springs as part of a project with the National Park Service.

Seeding Our Future

*Helping pollinators, getting our hands dirty,
and having a great time*

Students at Friends School of Minnesota study pollinators, their importance in ecosystems, and the many ways pollinators are threatened. They also learn about how we can all help pollinators.

Our students have taken action to protect pollinators by advocating for the elimination of neonicotinoid pesticides and working with the National Park Service to create and throw “seed bombs” to restore native habitat that is beneficial for pollinators (pictured above).



Over the past few years, we have hosted seed bomb booths at local festivals and at the plant sale.

Creating seed bombs is mission-aligned for our school and allows us to take a topic we study at school and share it with the broader community. The more we can help restore native habitat the better.



Make a seed bomb with us at the Friends School Plant Sale!

Find us at select times on Friday and Saturday to get your hands dirty and make a seed bomb. You can take the seed bomb with you and throw it where you would like to encourage native plants to grow. We will be at the big tent in the Garden Fair. A schedule will be posted at the tent. This is free and all ages are welcome — from 2 to 102!

The seed mix we use: “Insectopia” comes from Prairie Moon Nursery based in Winona, Minnesota.

Annuals



Plant widths are similar to their heights unless noted otherwise.

Vinca continued

\$3.00—4 plants in a pack (continued):

A410 **Tattoo Blackberry**

Very dark purple with a white eye. 14–16”h by 6–8”w

A411 **Tattoo Raspberry**

Pink petals brushed with purple around a purple eye. 12”h by 8”w

\$6.00—4” pot:

A412 **Soiree Flamenco Salsa Red** **NEW**—Red ruffled petals with lighter margins and fringed white edges. 8–14”h by 28”w

A413 **Vinca Vine** *Vinca major* Expoflora

Long trailing vine holds green foliage with wide, irregular white edges. Blue blossoms may occur in full sun. Great for containers. 6–12”h **\$6.00—4” pot**

Wishbone Flower *Torenia*

A treasure for shaded beds and pots. Colorful 1” flowers. Look for the little “wishbones” hidden inside the flower. Deer-resistant.

\$3.00—4 plants in a pack:

A414 **Clown Blue** *T. fournieri*—Light and dark blue. 8–10”h

A415 **Clown Lemon** *T. fournieri*—8–10”h

A416 **Clown Mix** *T. fournieri*—8–10”h

A417 **Kauai Magenta** **NEW**—Magenta and white flowers. Strong bloomer, especially in hot weather. 8”h

\$6.00—4” pot:

A418 **Magenta Moon**—Apricot and magenta with a dark magenta eye. Trailing. 4–6”h by 12”w

A419 **Summer Wave Large Blue**—From our grower: “One of our favorite local designers has to have this elegant, easy-to-grow shade beauty in her clients’ gardens and containers.” Almost 2” flowers are two shades of blue, with little or no white. 8–10”h by 10–20”w

Zinnia *Zinnia*

Bright colors and continuous bloom, especially with frequent cutting. Long-lasting cut flowers. Make sure they have adequate air circulation to reduce mildew. Easy from seed. Deer-resistant.

\$3.00—seed packets:

A420 **County Pink Blend** *Z. elegans*—Yellow, purple, red, and pink mix of 2–5” flowers. 24–36”h



Vinca

Zinnia continued

\$3.50—seed packets:

A421 **Jazzy Mix** *Z. haageana*—A kaleidoscope of color and pattern. Semi-double to double burgundy, chestnut, yellow, and orange with cream, red, or yellow tips. A tough plant that thrives despite heat, drought, and wind. Best to direct sow since it does not enjoy being transplanted. Blooms steadily midsummer to frost. A different species than garden zinnias, it has narrower leaves and is bushier. 24–36”h

A422 **Persian Carpet Mix** *Z. haageana*—A sparkly mix of 2” double to semi-double flowers in yellow, orange, mahogany, gold, and burgundy with a few cream and red flowers thrown in. Most flowers are bicolor with contrasting centers or petal tips. 1952 All-American Selections winner. 16”h

A423 **Whirlygig Mix** *Z. elegans*—Bright 4” flowers, most with contrasting color on serrated petal tips. Colors include cream, pink, deep rose, scarlet, yellow, and orange. Single to semi-double daisies on bushy plants. 20”h

\$3.00—4 plants in a pack:

A424 **Lilliput Mix** *Z. elegans*—This zinnia series is a particular magnet for butterflies. 18–24”h

A425 **Pop Art Red & White** *Z. elegans*—Double 2–3” flowers have white petals that are striped, splashed, and speckled with red. 24”h by 12”w

A426 **State Fair Mix** *Z. elegans*—Huge flowers up to 6” across. Good for cutting. 36–48”h

A427 **Swizzle Cherry Ivory** *Z. elegans*—3.5” bicolor. 6–12”h

\$6.00—6 plants in a pack:

A428 **Benary’s Giant Lime** *Z. elegans*—Fully double chartreuse 4–5” flowers. 40–50”h

A429 **Benary’s Giant Mix** *Z. elegans*—Fully double 4–5” flowers in a rainbow of colors. 40–50”h

A430 **Benary’s Giant Wine** *Z. elegans*—Fully double burgundy 4–5” flowers resembling double dahlias. 36”h

A431 **Cupcakes Deep Orange** *Z. elegans*—Intense reddish orange 2” double flowers with a sprinkling of gold around the center. The many layers of petals do look the way an overly enthusiastic cupcake decorator might make a frosting flower. There will be a few semi-double and single flowers, too. Great cut flower and dries well. 24–30”h

Zinnia continued

\$6.00—6 plants in a pack (continued):

A432 **Hidden Dragon** *Z. elegans*—Soft red petals tipped in white on 3” flowers that become more layered over time. 24”h by 12”w

A433 **Inca** *Z. elegans*—Sun-worshipping fiery orange 5” double flowers. Looks great with blue salvia. 36–40”h

A434 **Queenly Lemon Peach** *Z. elegans*—Yellow 2–3” flowers with a ruby-coral center turn pale pinky orange. Fully double and semi-double flowers with a few singles. 30–40”h

A435 **Queenly Lime Orange** *Z. elegans*—A 3” globe of deeply fluted petals that shade from salmon or coral through peach to slightly greenish yellow, then lighten as the blossom develops. Rosy red center. Mostly double and semi-double. Lasts about three weeks as a cut flower. 24–40”h

A436 **Queenly Lime Red** *Z. elegans*—Muted burgundy outer petals grade to lime around the center with shades of rose, mauve, and soft chartreuse. Each flower a little different. Double or semi-double. 40–50”h

A437 **Zowie! Yellow Flame** *Z. elegans*—Each flower opens as a single 3–5” yellow daisy with magenta near the center, then day by day adds more layers of petals while changing to orange-red with gold tips. The dark red central cone is interesting, too: quite prominent at first and then it retreats under the additional petals, but always with a ring of starry yellow mini-flowers (florets) like a crown. Lasts up to two weeks as a cut flower. Monarchs love this variety and goldfinches enjoy the seeds. AAS Winner 2006 and many gardeners’ favorite zinnia. 24–36”h



Zinnia

Zinnia, Compact Zinnia

Compact with bright, clear colors. Easy to grow and blooms until frost.

\$3.00—4 plants in a pack:

A438 **Profusion Cherry** *Z. elegans*—Compact, mound-forming, mildew resistant. 12”h

A439 **Profusion Cherry Bicolor** *Z. elegans* **NEW**—Semi-double 2” white flowers that mature to deep cherry as each petal’s central pink stripe spreads outward.

A440 **Profusion Mix** *Z. elegans*—12”h

A441 **Profusion Orange** *Z. elegans*—12”h

A442 **Zahara Double Raspberry Ripple** *Z. marylandica*—Semi-double 2.5” flowers are pink and white striped. The white petal margins are tinged with pink in cooler weather, becoming whiter in hot weather. 16–20”h

A443 **Zahara Starlight Rose** *Z. marylandica*—2.5” bicolor, white with a rose starburst in the center. 8–12”h

A444 **Zahara Sunburst** *Z. marylandica*—Large, vibrant yellow blossoms reveal dark central stripes that widen later in summer and fall. 12–18”h

\$6.00—6 plants in a pack:

A445 **Zahara Double Salmon Rose** *Z. marylandica*—Bright, slightly orangey pink. 16–20”h

See also ZINNIA, HARDY, page 40

Plants marked with  are especially good for bees

Zero Waste 2.0 — an Update

Each year, our commitment to educating and supporting a zero-waste plan at the plant sale continues to grow as beautifully as our gardens.

The 2023 sale — our first year with a concerted zero-waste plan — was an enormous success! Many shoppers saw differences in how we were collecting waste, visited our tent in the Garden Fair, and noticed an increase of food vendor compost containers.

In 2024, we continue our commitment with exciting new additions:

- More blog posts on our website with reuse project ideas as well as residential recycling information and zero-waste tricks for your home and garden.
- A raffle to encourage more people to bring their own containers (boxes, bins, milk crates) to carry plants at the sale.

Come visit us at the Zero Waste Tent in the Garden Fair while you’re waiting to shop. We’ll be showing what students at Friends School



Our goal is to compost or recycle at least 90% of the waste generated at the sale.

of Minnesota have created with materials that would have ended up in the landfill after last year’s sale!

Bring Your Own Crates, Boxes, Bins

to carry your plants and prevent waste.

Enter the raffle to win prizes!
1 free ticket for each container

At the end of the sale, we’ll draw two tickets: one for a \$100 gift certificate and one for a #1 wristband, redeemable at the 2025 plant sale.

See a Welcome Ambassador near the wristband booth or visit the Zero Waste Tent in the Garden Fair to get your tickets. The tent is also the place to turn in tickets for the drawing.



Thank You for Supporting Our School



Learn more about us!

Friends School
OF MINNESOTA



Eco-Dyeing: New Plants...



PHOTOS COURTESY OF THE MINNESOTA TEXTILE CENTER

The Minnesota Textile Center, located at 3000 University Avenue SE in Minneapolis, has a dye garden as part of its education program. Run with support from volunteers from late May until mid-September, there are opportunities for group-gardening and independent drop-in volunteer upkeep. textilecentermn.org/dyegarden (From left to right, marigolds, native sunflowers, and hollyhocks)

During the early days of the pandemic lockdown, I was yearning for a new crafty endeavor that would also connect me in real-time with other like-minded souls. While perusing the Minneapolis Community Education bulletin, I happened upon a remote Bundle Dyeing class.

Wow, who knew that there was a craft that combined my love of gardening with my passion for textiles? This sparked my love affair for eco-dyeing, while being able to convince my spouse that I was not about to heavily invest in “yet another craft”!

Eco-dyeing uses plant materials to create natural dyes for wool, silk, and cotton fabrics and yarns. It was the main method to color fabrics for centuries, until 1856 when synthetic dye was discovered.

Synthetic dyeing requires vast amounts of water, and creates chemical waste often dumped into waterways. Eco-dyeing offers advantages of dyeing with minimal impact to the environment, as most dye materials are biodegradable, renewable, and compostable.

Several long-time favorite garden plants are dye plants. Marigold flowers, for instance, are an excellent choice for a first foray into eco-dyeing. You’ll find a number of new plants at the plant sale this year that are grown more specifically for dyeing.

To learn more about eco-dyeing, the Minnesota Textile Center in Minneapolis is a great resource. It features a dye garden and offers classes in eco-dyeing for all ages. Starting your own dye garden can be as simple as a potted plant or a few plants tucked into your vegetable garden, or as complicated as planning an entire dedicated garden space. —Meg E.

Dye plants can also create nonfabric dyes, such as ink or natural food dyes.

Dye plants in the catalog

Annuals

- Bachelor’s buttons (*Centaurea*)
- Black-eyed Susan (*Rudbeckia*)
- Cosmos: Diablo gives a tangerine dye.
- Dyer’s coreopsis
- Larkspur
- Marigolds
- Pincushion flower (*Scabiosa*): Black Knight
- Dahlias
- Sunflower: flowers for yellow, and Hopi Black Dye seeds are particularly good for gray

Perennials

- Foxglove (also in Unusual)
- Golden Marguerite*
- Hibiscus: darker flowers produce more color.
- Hollyhocks: the darker reds like Spotlight Blacknight produce the best color
- Russian sage
- Wild indigo (*Baptisia*)

Climbers

- Hops: all parts of the plant will produce a beige color.

Miniatures

- Lavender cotton (*Santolina*)

Herbs

- Bay laurel leaves
- Henna*: in addition to its well-known use on skin and hair, henna creates greens and browns when dyeing fabrics, depending on the material
- Madder*: the roots produce red and orange. Not harvestable for the first three years.
- Indigo, Japanese*: varying shades of blue. Green leaves create a beautiful robin’s egg color; fermented leaves result in classic indigo shades.
- Magenta plant: flavorless color is extracted from the leaves by boiling and used to color cakes and rice desserts.
- Turmeric root
- Weld*: produces a great yellow for inks or dye. Can be invasive if allowed to reseed.
- Woad*: the first blue available in Europe. Can be invasive if allowed to reseed.

Vegetables

- Beets
- Malabar spinach “berries”
- Onion skins
- Spinach (*Spinacia*)

Native Perennials and Shrubs/Trees

- Black-eyed Susan (*Rudbeckia*): yellows
- Bloodroot: red from the roots (also in Unusual & Rare)
- Red elderberries*: berries
- Goldenrod: flowers produce yellows
- Joe Pye weed: flowers produce pinks
- Early sunflower (*Heliopsis*): yellows
- Yarrow, white (*Achillea*): flowers produce beige to yellows

Fruit

- Blackberries: the berries create a bluish hue, the leaves a yellow to brown
- Blueberries
- Cherries
- Black elderberries: pink
- Mulberries
- Rhubarb: the roots produce yellow to tangerine to green, depending on mordant. Leaves used as a mordant.

* New plant for 2024

Thanks to Hennepin County Master Gardener Deb Reiersen for many of the plant ideas and uses shared.

Basic tips

- To get started with eco-dyeing, read a good overview, take a class, or work alongside someone who can teach you.
- For the beginner, it’s easier to start with protein fibers (wool or silk) than cellulose (cotton, hemp, or linen). It’s also easier to start with yarn than with fabric.
- Bundle dyeing uses fresh or dried plant matter, such as flower petals, with steam to transfer color to fabric. It’s a great introductory eco-dyeing activity for all ages.
- Experimenting and keeping records of what you try is always worth it.
- There can be substances that require gloves and masks (see *What’s a mordant?*, p. 31). Your pots and kettles should be dedicated to dyeing; thrift shops and garage sales are a great resource. Take care!



PHOTO BY MEG E.

From left to right: Black walnut dye on merino wool yarn. Reusable produce bags dyed with goldenrod, acorns, and red cabbage, below fabric bundle-dyed with Scabiosa Black Knight and rose petals. Jars filled with dried marigolds and Scabiosa blooms for future use. Silk dyed with fresh Japanese indigo.

Buy a Friends School Plant Sale T-Shirt
Available only through pre-purchase at Branding Warehouse.
You can scan the QR code above or go to friendsschoolmn.brandingwarehouse.com and buy the t-shirt at the Friends School of Minnesota web store.

and Some Familiar Ones



PHOTO OF WILD INDIGO BY ERIC HUNT CC BY-SA 4.0



PHOTO BY KORIAN CC BY-SA 3.0



PHOTO FROM MISSOURI BOTANICAL GARDEN



PHOTOS FROM THE UNIVERSITY OF ST. THOMAS MEDICINAL GARDEN

Natural egg-dyeing

Coloring eggs with natural dyes is a fun introduction to eco-dyeing. The dyes come from the world of food: beets, turmeric, cabbage, and onion skins play primary roles.

Search online for natural color egg dyeing and you'll find many ideas!



How do you get blue?

In Europe, woad (*Isatis tinctoria*) was the only choice for blue before trade routes connected East and West, and true indigo (*Indigofera tinctoria*) became available from India. In Japan, a different plant that gives a blue dye also came to be called Japanese indigo in English (*Polygonum tinctorium*). A number of other flowers result in less intense blues: wild indigo, larkspurs and delphiniums, and bachelor's buttons, plus blue- and blackberries. (When using the flowers of wild indigo, use only the species plant, not the cultivars. The seeds produce a nice gray.)

How do you get yellow?

Yellows can be achieved from a number of plants. Any varieties of marigolds can be mixed together for yellow dye. Some of the other plants that produce yellow dye: golden Marguerite (middle, above), black-eyed Susans, dahlias —no matter what color the flower is, sunflowers and early sunflowers, and goldenrod.

How do you get red?

Bloodroot is one of the plants that can create a red dye. The roots (above) are harvested in fall to dry and powder, resulting in the intense red shown (middle, above). Other reds come from darker hollyhock flowers and madder roots. Oranges and pinks come from flowers with similar petal colors.

What's a mordant?

A mineral salt that fixes with the fiber and allows natural dyes to bond to it. Mordants improve light- and wash-fastness, which makes for durable and long-lasting colors. Plant fibers require more mordant use than animal fibers. The name comes from the Latin word *mordere*, "to bite." Tannic acid—naturally found in plant materials like onion and avocado skins, or black walnut and acorn husks—is a mordant. So is the iron in rusty nails.

tinctoria, tinctorium

Why are these the species names of a number of dye plants?

The Latin word *tinctura* means the act of dyeing or tingeing, from *tinctus* "dye," the past participle of *tingere* "to tinge, dye, soak in color." Originally it was only "to moisten, wet, soak," from the Proto-Indo-European root **teng-* "to soak."



PHOTO BY MADISON60 CC BY-SA 3.0

Wool yarn dyed with madder (*Rubia tinctorium*) to varying shades of red. Dipping more increases intensity.



PHOTO BY USAG-HUMPHREYS CC BY-SA 2.0

Cotton goods dyed with Japanese indigo (*Polygonum tinctorium*).

An interesting fact

Neither true indigo nor woad requires a mordant or hot water, and can be applied equally well to protein fibers (wool and silk) or plant fibers (like cotton). The blues of indigo and woad are also the most colorfast of natural dyes. After dyeing with one or the other, a fabric cannot be chemically distinguished between the two.

—Paraphrased from the paper "Ambivalent Blues: Woad and Indigo in Tension in Early Modern Europe," by Noor F.K. Iqbal, *Constellations*, University of Alberta, 4 (1), 2013.

PHOTO BY MEG E.



Yarns dyed with four different plants during an American Swedish Institute class. (Tansy and the type of birch used here are not available at the plant sale.)

Learn more

Websites

All Natural Dyeing:
allnaturaldyeing.com/natural-dye-colors

The Learn section of Botanical Colors:
botanicalcolors.com/botanical-colors-how-tos

The Maiwa Guide to Natural Dyes:
naturaldyes.ca/instructions

"A brief history of colour, the environmental impact of synthetic dyes, and removal by using laccases." Ardila-Leal LD, et al. In *Molecules*. 2021;26(13):3813. doi.org/10.3390%2Fmolecules26133813

7 Things You Should Know About Japanese Indigo Dye: japanobjects.com/features/indigo

Bloom & Dye: How to bundle-dye
bloomanddye.com/journal/2020/11/5/bundle-dyeing

Books

Flint, India. *Eco Colour: Botanical Dyes for Beautiful Textiles*. Krause Craft, Iola WI, 2010.

Pate, Maggie. *The Natural Colors Cookbook*. Page Street Publishing Co, Salem MA, 2018.

Vejar, Kristine. *The Modern Natural Dyer*. Abrams, New York NY, 2015.

Local classes

- **Minnesota Textile Center:**
textilecentermn.org/adult-education/classes
textilecentermn.org/youth-family-classes/
- **American Swedish Institute:**
asimn.org/experience/programs/nordic-handcraft-workshops
- **Marine Mills Folk School:**
Occasional classes on dyeing.
marinemillsfolkschool.org

colorfast

An important term in dyeing, it means having color that does not fade or run with washing. It is directly proportional to the binding force between the dye and the fiber.

Lightfastness, wash-fastness, and rub-fastness are the main forms of color-fastness. Each one is standardized.

Mordants affect the color-fastness of many eco-dyes.