

Johnson County Soil & Water
Conservation District

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E-mail: jcswcd@yahoo.com
Website: www.jcswcd.org



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Johnson County Soil & Water Conservation District

It's Planting Time!

February Newsletter 2012

Orders due: March 23rd

Annual Sale Begins!!

Our annual tree and plant sale fundraiser is starting and we have just what you need to spruce up your yard, acreage or farmstead. Check out our brochure inserted in this newsletter for a listing of bare root trees, native wildflowers, and prairie grasses.

If you've been contemplating planting a windbreak, rain garden or prairie, there is no better time than the present. Planting a windbreak can save on energy costs during the winter months by protecting your home, lane, buildings, or livestock from prevailing winds, drifting snow, and wind erosion. You can improve the water quality that leaves your rooftop or driveway and attract wildlife with a rain garden or native landscaping.

Don't miss out on investing in this opportunity. We can assist you in choosing the trees and plants to suit your needs — just give us a call at (319) 337-2322 ext. 3 or visit our website and order online at www.jcswcd.org.

Johnson Co. SWCD Soil Commissioners

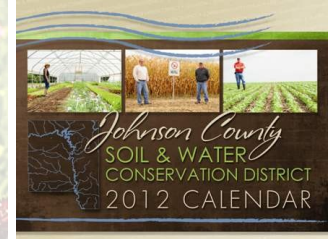
Edward Ruppenkamp
Alex Schmidt
Delores Sedlacek
Kelly Putman
Nathan Moore

Assistant Commissioners

Jason Grimm
Alex Smith

Iowa City Field Office Staff

Wendell Jones, *District Conservationist*
Joy Koch, *State Secretary*
Ruth Izer, *Soil Conservationist*
Stephen Jerkins, *Soil Technician*
Amy Bouska, *Urban Conservationist*
Kate Giannini, *Soil Conservationist*
Leiah Zimek, *Soil Technician*
Grant Johnsen, *Conservation Assistant*
Jeff Potts, *PF Farmbill Biologist*



"Farmer's of Johnson County Calendar"

Johnson County
Soil & Water
Conservation District

(JCSWCD) would like to introduce the first ever "Farmers of Johnson County" 2012 Fundraising Calendar. The calendar features non-traditional and traditional farmers. Calendars are \$15 or \$8 for 10+/each, and can be purchased at the JCSWCD office. Proceeds will benefit conservation efforts in Johnson County.

Farmer's in the Calendar: Jim & Cathy Sladek, Susan Jutz, Sarah Wall, Bob Roller, Kate Edwards, Tom Wall, Earlis & Lucy Rohret, Mary & Kevin Somerville, John Rummelhart Jr., Dave & Ben Schmidt, Dave Hahn, Bobby Bulechek.

Interested? Contact Kate Giannini at jcswcd@yahoo.com or 319-337-2322 ext. 3.

RAINWATER HARVESTING

A return to the past...New opportunities for the future

By: Amy Bouska

Harvesting water is nothing new. Rainwater harvesting has been around for thousands of years and was common in the United States until about the 1940's. Many Iowans grew up with cisterns. As municipal water supplies and well drill rigs started becoming readily available, the need to harvest water lessened. We are starting to see a resurgence of interest in rainwater harvesting in Iowa. In November, Johnson County Soil and Water Conservation District Volunteer James Grizzard led Rainscaping Iowa's first rainwater harvesting training workshop in Iowa City.

Approximately forty people from across the state attended the rainwater training. Attendees learned about design, installation, and maintenance of rain water harvesting systems. Iowa resi-

dential, commercial, and industrial case studies were presented.

Two local examples of rainwater harvesting were recently installed in North Liberty. Alex Schmidt Landscape Design installed a 500 square foot permeable pavement patio and 1000 gallon AquaBlox rainwater harvesting system at the residence of Danielle Williams. The water is used to irrigate a vegetable garden and run a small decorative fountain.

Forever Green Nursery installed a 1500 gallon tank in the front of their business to water the plants they sell. The water is collected from their metal roof and filtered with a first flush device before it flows into the tank.

New Conservation Assistant hired "A Cyclone in Hawkeye Nation"



ways enjoyed being outside whether camping, fishing, or just for a walk. He has ran in several half marathons in Chicago and plans on doing some more in Iowa.

Previously Grant worked for the NRCS in Dekalb County IL, and worked on his dad's EQIP program. He's also designed grass waterways and write burn plans. In his free time, he plays volleyball whenever he can. He is a graduate of Iowa State where he obtained a

B.S. in Forestry. While at Iowa State he participated in Marching Band and played in club Volleyball. Grant still enjoys playing Volleyball and has competed in National tournaments in Phoenix, Dallas, and Salt Lake.

Welcome Grant!

Grant Johnsen will be serving as the Conservation Assistant for the Johnson Co. SWCD. Grant originally grew up on a farm in Elburn, IL. He helped out with the family farm when he was a kid and after he graduated. Grant has al-

The Johnson County Soil & Water Conservation District is led by five locally elected residents who serve as Commissioners to provide local program guidance and solve natural resource problems in the county. Professional staff is available to aid in planning and applying conservation practices, such as windbreaks, grade stabilization ponds, wetlands, prairies, rain gardens, contour buffer strips, grassed waterways and more.
For more information call (319) 337-2322 ext. 3.

RAIN GARDENS are planted to capture and soak up rainwater, filter it then slowly release into the ground rather than running off to a storm drain. **What is a rain garden?** A rain garden is landscaped with perennial flowers and native vegetation that soak up rainwater. They are strategically located to capture runoff from impervious surfaces such as roofs and streets.

To create a rain garden, we recommend choosing from:

Wildflowers: Aster (Smooth), Blazingstar (Prairie), Cardinal Flower, Columbine, Jacob's Ladder, Lobelia (Great Blue).

Prairie Grasses: Bluestem (Little), Sideoats Grama.

WINDBREAKS are planted to protect against prevailing winds, manage snow and decrease snow removal costs, provide wildlife habitat, control erosion and enhance public safety.

To establish a windbreak, we suggest selecting from these trees & shrubs: Dogwood (Red Osier & Silky), Hackberry, Hazelnut, Lilac, Plum (American), Cedar (Red), Maple (Red & Silver), Oak (Bur, Red & White) Pine (Red & White), Poplar (Hybrid), Spruce (Norway & White).

Available at JOHNSON COUNTY SOIL & WATER....

FOR SALE.....

- Prairie Seedling Guide-\$6
 - Tree & Shrub Guide-\$6
 - Prairie Pocket Guide \$6
 - Invasive Species Guide \$6
 - MARKING FLAGS
100 @ \$15 / 25 @ \$4 / 10 @ \$1.50 (tax included)
 - TILE PROBES-\$24.95 + tax
 - HAND LEVELS-\$19.05 + tax
- CD's on sale for \$2.00:**
- The Rain on Your Roof
 - How to Build a Rain Garden

SoilView CD Johnson County \$5 + tax

Also for Sale...

Tree Tubes by Tree Pro

- 48" @ \$5 ea (+ tax)
- Stakes not included / Not for conifers**
Protects your trees from deer/rabbits

FOR RENT.....

- WATERWAY SHAPER
\$25 hr. + tax (\$107 minimum charge)

To rent equipment or for assistance call 319-337-2322 ext. 3

ORDER FORM (Page 1)

All Orders due March 23rd

Please check box if wildflower & prairie grasses listed on other side were ordered.

Name _____

Address _____

City, State, Zip Code _____

Home Phone _____ Cell Phone _____

Work Phone _____ Email Address _____

Would prefer to receive this newsletter by email? Yes No

May we substitute trees or plants of equal value if there is a shortage? Yes No

Is this the first time you have purchased from our Annual Sale? Yes No

Qty.	Tree & Seed Description	Price	Total
Payment must accompany order.		Sub-Total	
Payment Method: <input type="checkbox"/> Check <input type="checkbox"/> Charge Card		Order	
Mastercard or Visa only		Page 1	
Credit-Card #	<input type="text"/>	Wild-flower & grasses	
3 digit CVV Code	CVV code: on back of card: <input type="text"/> <input type="text"/> <input type="text"/> Expiration Date <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> Both Required	Page 2	
Signature _____		Sales Tax 7%	
		TOTAL DUE	

Make checks payable to: Johnson County SWCD
51 Escort Lane
Iowa City, IA 52240

Phone: (319) 337-2322 ext. 3

Website www.jcswcd.org

Tree & seed delivery/pickup is scheduled for April 20th, 2012.
Plant delivery/pickup is scheduled for May 18th, 2012.
Pick up will be at the Johnson County Fairgrounds
Postcards will be mailed to confirm delivery dates.

Order online at www.jcswcd.org

New Pheasants Forever Farmland Wildlife Biologist



Hi, I'm Jeff Potts. I am the Pheasants Forever Farm Bill Wildlife Biologist working out of the USDA service centers in Iowa City, Marion, and Anamosa in

east-central Iowa. I'm originally from south-central Minnesota where I grew up in a small town of 800 people. Many of my summers involved picking up rocks and pulling weeds on my Uncle's farm. My father introduced me to hunting and the outdoors at an early age. That introduction instilled in me a passion for wild-

life that led me to pursue a degree in Wildlife and Fisheries Sciences from South Dakota State University.

Previously, I worked on habitat and fisheries crews with the South Dakota Department of Game, Fish, and Parks. I've Also been involved with research on nesting success of waterfowl and pheasants in Eastern South Dakota through the Department of Wildlife and Fisheries Sciences at South Dakota State. Most recently, I worked as the Pheasants Forever Farm Bill Wildlife Biologist in southwestern North Dakota. In my spare time, I enjoy hunting, fishing, exercising, watching sports and traveling.

USDA Programs & Financial Incentives

USDA has several financial incentive programs available to help producers and/or landowners install conservation practices on agricultural land (cropland, pastureland, and woodlands) that meets basic USDA eligibility guidelines. Some of these include the Environmental Quality Incentive Program (EQIP) and the Wildlife Habitat Incentive Program (WHIP).

There are other programs authorized under the 2008 Farm Bill that offer payments for specific conservation uses and/or long term conservation easements. These programs would include the Conservation Reserve Program (CRP), the Wetland Reserve Program (WRP),

and the Emergency Watershed Protection Program (EWP). Another newer program is the Conservation Stewardship Program (CSP). This program rewards producers for farming in a sustainable manner. All these programs have a continuous signup and are then ranked for enrollment once or twice a year.

The 2008 Farm Bill also set aside a portion of its conservation funding to assist socially disadvantaged farmers, beginning farmers, and limited resource farmers. For more information on eligibility, programs and practices go to Iowa NRCS website at www.ia.nrcs.usda.gov Additionally, our local USDA/NRCS (Natural

Resources Conservation Service) Service Center, in partnership with the IA Department of Land Stewardship and the Johnson County Conservation District staff can provide technical assistance in the assessment, recommendation, and design of many conservation practices to help conserve, maintain, and improve our natural resources and environment. Our local staff is also knowledgeable on available State Financial Incentive Programs for conservation application including some urban practices.

Also see the Johnson County Soil and Water Conservation District website at www.jcswcd.org

When to Request a Wetland Determination

Submitted by: Wendell Jones

The abnormally mild weather that we have experienced in SE Iowa allowed earthmoving projects to proceed well into the month of December. As a result, many farmers would like to conduct drainage improvements and have contacted our office with questions on whether or not their planned drainage activities are in compliance with the Swampbuster provisions of the 1985 Farm Bill. The most common question: Is a wetland determination needed before installing tile? The simple answer - YES!

Most landowners appear to be aware of the need to have a wetland determination before doing drainage alterations on flat or depressional low land that has never been drained or farmed. However, confusion occurs on areas that are currently being cropped and/or have existing tile; and on land with slope such as a hillside or upland drainageway. While not as prevalent on these types of sites, wetlands do exist on such areas throughout the county.

The only way to be certain about the presence or absence of protected agricultural wetlands is to ask someone who

has been trained to recognize and apply wetland delineation conventions outlined in the *Corps Of Engineers Wetland Delineation Manual* and the *Food Security Act Manual*. The NRCS is required to provide this service to eligible agricultural producers and have staff available to assist you.

In order to initiate a certified wetland determination, you will need to contact the Farm Services Agency and answer the relevant questions on Form AD 1026. The time frame to complete the determination will vary from a few days to a few months, depending on the complexity of the site and the time of year (some wetland determinations cannot be completed when the ground is frozen). **So it becomes important to request the determination well in advance of the time you plan to do the drainage work. Ideally the request would be received at least six months prior.** After-the-fact determinations leave some of the burden of proof with the landowner and that situation makes it more difficult for all involved.

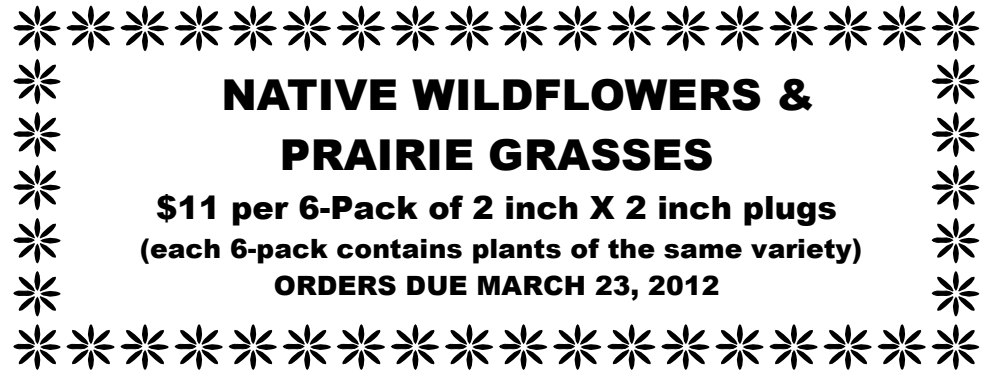
FREE!!! Food Plot Seed



The Johnson County Pheasants Forever Chapter has once again donated FREE food plot seed. Please stop by the USDA-NRCS office for pick-up in

Contractor Directory

Looking for a contractor? Check out our website for a list of contractors in our area for earthmoving, tiling, fencing, custom seeding, CRP maintenance, prescribed burning, pond maintenance etc. Want to be on our list? Contact us now at 319-337-2322 ext. 3 or jcswwcd@yahoo.com



NATIVE WILDFLOWERS & PRAIRIE GRASSES

\$11 per 6-Pack of 2 inch X 2 inch plugs
(each 6-pack contains plants of the same variety)
ORDERS DUE MARCH 23, 2012

Wildflower Common Name	Color	Sun	Bloom	Height	Soil Type	Qty.
Black-eyed Susan	Yellow	SP	June-Sept	1-3'	M-D	
Butterfly Milkweed	Orange	S	June-July	2-3'	M-D	
Cardinal Flower	Red	SP	Aug-Sept	2-4'	W-M	
Columbine	Red/Yellow	SPSh	May-June	1-2'	W-M	
Pale Prpl Coneflower	Purple	S	May-Aug	2-3'	M-D	
Purple Coneflower	Purple	SPSh	May-Oct	2-3'	M-D	
Great Blue Lobelia	Blue	SP	Aug-Sept	1-4'	W-M	
Jacob's Ladder	Blue	PSh	Apr-May	8"	W-M	
Lupine Perennis	Purple	SPSh	May-June	1-2'	D	
Missouri Evening Primrose	Yellow	SPsh	Jul-Aug	8"	D-M	
Prairie Blazingstar	Purple	S	Aug	3-5'	W-M	
Prairie Coreopsis	Yellow	SP	June-July	1-3'	M-D	
Prairie Smoke	Red	SP	May-June	6-12"	M-D	
Showy Beardtongue	Purple	SP	May-June	2-3'	D	
Smooth Aster	Blue	SP	Aug-Sept	3-5'	W-M	
Sub-Total	Wildflowers			Total	Units	

Prairie Grass Common Name	Sun	Bloom	Height	Soil Type	Price	Qty
Big Bluestem	S	Sept-Oct	3-8'	W-D	11.00	
Indian Grass	S	Sept-Oct	3-6'	M-D	11.00	
Little Bluestem	SP	Sept-Oct	1-3'	M-D	11.00	
Side-oats Grama	S	Sept-Oct	1-3'	M-D	11.00	
Switch Grass	SP	July-Oct	3-5'	M-D	11.00	
Sub-Total		Grasses			Total	

Total Order _____ **6-packs @ \$11 each = \$** _____
Add to other side for sales tax

KEY S=Sunny - P=Partial Sun - Sh=Shade - W=Wet - M=Medium - D=Dry

Evergreens — Bareroot

Cedar, Red **Native** **5 for \$25** **25 for \$115**
 15-18" (*Juniperus virginiana*) Small tree growing 20-30' tall and 1-2' in diameter. Grows well on dry upland sites, including those with alkaline soils. High resistance to drought and winter burn. Heartwood is aromatic and resistant to most pest problems. Excellent species for wildlife habitat and windbreaks. Foliage may turn a striking purple color in the winter and return to green during spring weather.



Pine, Red **5 for \$20** **25 for \$90**
 7-15" (*Pinus resinosa*) Medium to large growing tree 60-80' tall and 2-3' in diameter. Grows best in light or sandy soils. Moderately fast growth rate. Normally planted in windbreaks, shelterbelts, or in pure stands. Wood is used for lumber in the native range.



Pine, White **Native** **5 for \$20** **25 for \$90**
 7-15" (*Pinus strobus*) Grows to 90-120' and 2-3' in diameter. Tolerates many soils and moisture conditions, rapid growing on a variety of soils. Easily identified by its bluish-green needles and almost black bark. Commonly planted in windbreaks and mixed hardwood stands. Winter deer browse can be a problem.



Spruce, Blue **5 for \$25** **25 for \$115** **12-18"**
 (*Picea pungens*) Grows to 75-100' and 1-2' in diameter. Prefers moist, well-drained soil, full sunlight, and requires little shaping. Good winter cover for wildlife. Well-known landscape ornamental, sometimes used as a Christmas tree.



Spruce, Norway **5 for \$20** **25 for \$90**
 7-15" (*Picea abies*) grows up to 100'. Does well on a variety of sites, but prefers moist cool areas along streams or lakes. Moderate growth rate. Foliage has dark green color. Branches have a distinctive drooping appearance. Large cones up to 9". Planted as an ornamental or windbreak.



Spruce, White **5 for \$20** **25 for \$90**
 7-15" (*Picea glauca*) Grows to 60-70'. Prefers moist soil, but does grow on drier sites. Moderate growth rate. Bluish green color makes it popular in windbreaks and ornamental plantings. Timber used for lumber and pulpwood.



The Rapid Creek Watershed is 25 square miles and located NE of Iowa City. It is a major subshed of the drainage area that flows into the segment of the Iowa River between the Coralville Lake Dam and the Burlington Street Dam. This area of the Iowa River is listed on the impaired list for excessive indicator bacteria.

Since 2008 the Johnson County SWCD has made

concentrated efforts of outreach, assessment, water monitoring and conservation planning within the watershed. These efforts were funded by grants received from the state. Although all contracted grants have now expired, the Johnson Co. SWCD is striving to finish the Rapid Creek Watershed Management Plan and will continue to seek out other grant opportunities for the watershed.

Johnson County Passes Stormwater Ordinance

Submitted by: Kate Giannini

In May of 2011, the Johnson County Board of Supervisors passed the Stormwater Ordinance amending the Johnson County Unified Development Ordinance. The purpose of this ordinance is to limit disruption of natural hydrology by reducing impervious cover, increasing onsite infiltration, and manage stormwater runoff. It is stated that no plat of a major subdivision or site plan shall be approved unless it includes a stormwater management plan.

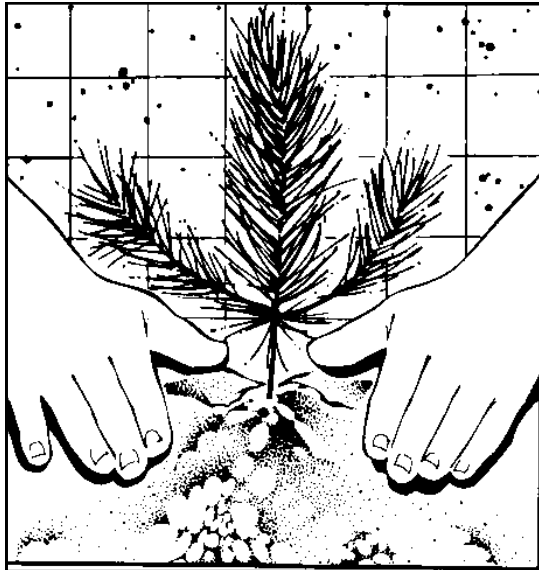
Calendar of Events

- 2012 Iowa Water Conference
March 6-7th, Ames, Iowa
- CRP Mid-Contract Management Informational Meeting
March 7th 6:30pm
Johnson County ISU Extension Office
- Prairie Preview XXIX
March 8th 6:30pm
Parkview Evangelical Free Church,
Iowa City, IA
- Last Day to get Annual Sale orders in: March 23rd
- Tree Pick-up date
April 20th at Johnson County Fairgrounds
- Plant Pick-up date
May 18th at Johnson County Fairgrounds

SWCD Staff will be a key resource in reviewing these site plans and assisting the Johnson County Planning and Zoning Department & engineering consultants. This is a great accomplishment of the county as they move forward to becoming more environmentally sustainable.

**Johnson County
Soil & Water
Conservation District**

**2012
ANNUAL FUNDRAISER**



**Tree, Wildflower,
Prairie Grass & Seed
— SALE —**

Order online at www.jcswcd.org

**Mission: "To clear our water by treating
every acre with respect."**

Order deadline March 23rd

Dogwood, Red Osier **Native** **5 for \$21** **25 for \$105**
2-3' (*Cornus sericea*) Grows to 10-15' and spreads beyond 10'. One of the smaller dogwoods with deep-red stem. Forms a large plant colony. Cream flowers followed by white berries. Tolerates most locations, grows in moist wet soils, in sun or shade. Excellent for wildlife food and cover.



Dogwood, Silky **Native** **5 for \$17** **25 for \$85**
2-3' (*Cornus amomun*) Grows 6-10' tall. Attractive red twigs with white flowers blooming in mid June. Prefers moist and wet soils where many shrubs do not grow well. Tolerates almost any location, sun or shade. Provides good food and cover for wildlife.



Hazelnut **Native** **5 for \$20** **25 for \$100**
2-3' (*Corylus americana*) Medium sized shrub growing 8-10' tall and spreading 6-8' wide. Adaptable to a wide variety of sites, but does best in well-drained, loamy soil. Full sun or light shade. Root suckers quite easily. Great wildlife species. Edible nut.



Lilac **5 for \$18** **25 for \$90**
18-24" (*Syringa vulgaris*) Medium to large sized shrub, reaching 12-20' in height. Commonly planted as an ornamental/screen throughout the United States. Adaptable to a wide range of planting sites. Attractive dark green foliage. Fragrant lavender flowers in the spring.



Ninebark **Native** **5 for \$20** **25 for \$100**
2-3' (*Physocarpus opulifolius*) Grows 5-9' tall. Usually as wide as it is tall with peeling bark. Foliage is small and attractive, white clusters of flowers in May and June, followed by numerous small red pods. Medium to fast growing shrub. Leaves are yellowish green in summer and fall; used in living snow fence in roadsides. Excellent wildlife food and cover.



Plum, American **Native** **5 for \$18** **25 for \$90**
2-3' (*Prunus americana*) Large shrub or small tree. Grows up to 25' tall. White flowers bloom in May; plum red tangy fruit ripens late August-early September and is utilized for jellies and jams. Adaptable to a variety of sites. Prefers moist areas, but found in upland fence rows.



Serviceberry **Native** **5 for \$20** **25 for \$100**
2-3' (*Amelanchior alnifolia*) Shrub species growing to 10' with a crown spread of 5-8 feet. Tolerant of harsh sites and alkaline soils. White flowers in the spring. Edible berries are bluish purple when ripe. Red fall color. Once used by Native Americans to mix with buffalo meat and fat for winter food.



Northern Hardwood Trees - Bareroot

Oak, Swamp White Native 5 for \$19 25 for \$90

18-24" (*Quercus bicolor*) Grows to 50-70'. Among the hardiest of the oaks. Adaptable to most soils, yet grows best in wet, swampy, soils. Requires full sun. Acorns eaten by songbirds, game birds and a variety of mammals. Excellent shade tree that turns yellowish-brown to rich red in autumn. Wood used for furniture and flooring.



Oak, White Native 5 for \$18 25 for \$105

2-3' (*Quercus alba*) Large tree reaches 50-80' tall. Does best on slightly moist to well-drained sites. Requires full sun. Broad, rounded crown with leaves turning purplish-red in autumn. Valuable wood products tree. Acorns provide excellent wildlife food source.



Poplar, Norway 5 for \$21 25 for \$100

3-4' (*Populus deltoids x Populus nigra*) Grows to 40-60'. A hybrid mix of cottonwood and black poplar. A seedless hardy, rapidly growing tree. Adaptable to most sites. Prefers full sun. Valuable as trainer trees and fuelwood trees. Yellow fall color.



Walnut, Black Native 5 for \$21 25 for \$100

18-24" (*Juglans nigra*) Grows to 60-80'. Most sensitive of the hardwood species. Prefers rich, deep, fertile, well-drained soils, but does well on upland sites with adequate moisture. Fast growing. Most valuable of the timber species, commonly used for furniture. Nuts are delicious.



Hardwood Shrubs — Bareroot

Chokeberry, Black Native 5 for \$20 25 for \$100

18-24" (*Aronia melanocarpa*) Grows 6-10'. Vase shaped, branching from the base. This fast growing shrub does fine in wet or dry soil, in sun or partial shade, even in poor soils. White flowers in May and bright red fall color, blackish purple fruit. Excellent for borders, wildlife habitat, or erosion control.



Cranberrybush, American Native 5 for \$17 25 for \$70

2-3' (*Viburnum trilobum*) Small to medium sized shrub growing up to 12' tall and 12' wide. Attractive, dark green, maple-like foliage. One of the few shade tolerant shrub species. Prefers moist, fertile, well-drained soils. Suffers under excessive water conditions. Bold, red fruit clusters remain on plant through most of winter, but have limited wildlife value. Used in preserves and jellies.



Prairie Seed Mix

Leopold #1

Big Bluestem, Indiangrass, Sideoats Grama, Little Bluestem, Canada Wild Rye, Virginia Wild Rye, Rough Dropseed, Prairie Dropseed, Prairie Onion, Lead Plant, Thimbleweed, White Sage, Rose Milkweed, Butterfly Milkweed, Sky Blue Aster, Heath Aster, Smooth Blue Aster, New England Aster, Upland White Aster, Milkvetch, White Wild Indigo, Indian Plantain, New Jersey Tea, Partridge Pea, Prairie Coreopsis, Little Rattlebox, Illinois Bundleflower, Showy Tick Trefoil, Pale Purple Coneflower, Rattlesnake Master, Tall Boneset, Cream Gentian, Sneezeweed, Early Sunflower, Alumroot, Great St John's Wort, False Boneset, Roundheaded Bush Clover, Rough Blazingstar, Great Blue Lobelia, Wild Bergamot, Evening Primrose, Foxglove Beardtongue, White Prairie Clover, Purple Prairie Clover, Prairie Cinquefoil, Yellow Coneflower, Blackeyed Susan, Sweet Blackeyed Susan, Browneyed Susan, Wild Petunia, Compass Plant, Dwarf Goldenrod, Stiff Goldenrod, Ohio Spiderwort, Hoary Vervain, Ironweed, Golden Alexander, Culver's Root

1 Acre.....\$450.00	1/2 Acre.\$250.00	1/8 Acre. \$ 65.00
3/4 Acre\$ 375.00	1/4 Acre\$125.00	1/16 Acre \$ 32.00

Leopold #2

Big Bluestem, Indiangrass, Sideoats Grama, Little Bluestem, Canada Wild Rye, Virginia Wild Rye, Rough Dropseed, Prairie Dropseed, Wild Garlic, Nodding Onion, Prairie Onion, Leadplant, Thimbleweed, Tall Thimbleweed, White Sage, Prairie Milkweed, Butterfly Milkweed, Whorled Milkweed, Sky Blue Aster, Heath Aster, Smooth Blue Aster, Calico Aster, New England Aster, Upland White Aster, Silky Aster, Milkvetch, White Wild Indigo, Cream Wild Indigo, Indian Plantain, New Jersey Tea, Partridge Pea, Prairie Coreopsis, Tall Coreopsis, Little Rattlebox, Prairie Larkspur, Illinois Bundleflower, Showy Tick Trefoil, Pale Purple Coneflower, Rattlesnake Master, Tall Boneset, Joe Pye Weed, Boneset, Sweet Joe Pye, Flowering Spurge, Bottle Gentian, Cream Gentian, Sneezeweed, Showy Sunflower, Western Sunflower, Early Sunflower, Alumroot, Great St. John's Wort, False Boneset, Roundheaded Bushclover, Rough Blazingstar, Prairie Blazingstar, Cardinal Flower, Great Blue Lobelia, Wild Bergamot, Evening Primrose, Wild Quinine, Foxglove Beardtongue, Largeflowered Beardtongue, White Prairie Clover, Purple Prairie Clover, Prairie Phlox, Obedient Plant, Prairie Cinquefoil, Mountain Mint, Yellow Coneflower, Prairie Wild Rose, Blackeyed Susan, Sweet Blackeyed Susan, Browneyed Susan, Wild Petunia, Rosinweed, Compass Plant Cup Plant, Dwarf Goldenrod, Stiff Goldenrod, Showy Goldenrod, Prairie Spiderwort, Ohio Spiderwort, Blue Vervain, Hoary Vervain, Ironweed, Culver's Root, Golden Alexander, Prairie Violet

1 Acre.....\$550.00	1/2 Acre.\$300.00	1/8 Acre. \$ 75.00
3/4 Acre\$450.00	1/4 Acre \$150.00	1/16 Acre \$ 40.00



Specialty Prairie Seed Mixes

Dry/Mesic Pollinator - Statewide 10/30 **\$265.00 AC**

Little Bluestem 1#, Sideoats Grama .1#, Prairie Dropseed .15#, Big Bluestem .15#, Prairie Junegrass .02#, Fox Sedge .04#, Butterfly Milkweed .01#, Canada Milkvetch .1#, Black-eyed Susan .2#, Gray-headed Coneflower .2#, Purple Prairie Clover .2#, Partridge Pea .2#, White Prairie Clover .2#, Pale Coneflower .02#, Pale or Yellow Gentian .01#, Tall Thoroughwort .02#, Alumroot .01#, Tall Blazingstar .03#, Red Columbine .03#, Skyblue Aster .03#, Wild Bergamot .08#, Common Evening Primrose .07#, Stiff Goldenrod .1#, Hoary Vervain .1#, White Sagebrush .03#, Slender Mountain Mint .01#, Flowering Spurge .01#, Prairie Larkspur .01#, Prairie Cinquefoil .02#, Meadow Garlic .01#, Common Mountain Mint .03#, Rattlesnake Master .05#, Tall Bellflower .01#

Wet/Mesic Pollinator - Statewide 10/30 **\$290.00 AC**

Big Bluestem .15#, Virginia Wildrye .15#, Fox Sedge .08#, Broom Sedge .08#, Bluejoint .01#, Hop Sedge .1#, Fowl Mannagrass .05#, Black-eyed Susan .26#, Rattlesnake Master .03#, Swamp Milkweed .03#, Sneezeweed .01#, Sawtooth Sunflower .01#, Blue Flag .05#, Cardinal Flower .025#, Great Lobelia .02#, Winged Loosestrife .003#, New England Aster .01#, Blue Vervain .1#, Ironweed .05#, Culver's Root .01#, Giant St. Johnswort .05#, Monkey Flower .004#, Canadian Anemone .01#, Rosinweed .03#, Showy Goldenrod .01#, Golden Alexander .1#, Showy Ticktrefoil .03#, Canadian Milkvetch .1#

The Hawkeye: Tall Grass - Statewide Mesic 20/20 **The Hawkeye \$280.00 AC**

Big Bluestem 1.5#, Indiangrass 1#, Virginia Wildrye .4#, Canada Wildrye .4#, Switchgrass .3#, Prairie Dropseed .1#, Composite (rough) Dropseed .4#, Fox Sedge .06#, Blackeyed Susan .09#, Grayheaded Coneflower .15#, Prairie Mimosa .5#, Purple Prairie Clover .5#, Partridge Pea .5#, Roundhead Lespedeza .04#, White Prairie Clover .1#, Smooth Blue Aster .01#, Showy Tick Trefoil .03#, Candle Anemone .01#, Butterfly Milkweed .05#, Sky Blue Aster .01#, Wild White Indigo .06#, Pale Coneflower .08#, Rattlesnake Master .08#, Wild Bergamont .06#, Common Evening Primrose .012#, Compass Plant .06#, Field Goldenrod .015#, Stiff Goldenrod .12#, Golden Alexander .06#, Culver's Root .006#, Common Mountain Mint .009#, False Dragonhead .008#, Flowering Spurge .008#, Red Columbine .008#, Canadian Milkvetch .09#, Prairie Cinquefoil .015#, Lead Plant .01#

The Cyclone: Short Grass - Statewide Mesic 20/20 **\$280.00 AC**

Little Bluestem 2#, Side Oats Grama 1.5#, Prairie Dropseed .02#, Big Bluestem .15#, Indiangrass .15#, Canada Wildrye .2#, Virginia Wildrye .2#, Composite (rough) Dropseed .3#, Fox Sedge .01#, Blackeyed Susan .09#, Grayheaded Coneflower .15#, Prairie Mimosa .5#, Purple Prairie Clover .5#, Partridge Pea .5#, Roundhead Lespedeza .04#, White Prairie Clover .1#, Smooth Blue Aster .01#, Showy Tick Trefoil .03#, Candle Anemone .01#, Butterfly Milkweed .05#, Sky Blue Aster .01#, Wild White Indigo .06#, Pale Coneflower .08#, Rattlesnake Master .08#, Wild Bergamont .06#, Common Evening Primrose .012#, Compass Plant .06#, Field Goldenrod .015#, Stiff Goldenrod .12#, Golden Alexander .06#, Culver's Root .006#, Common Mountain Mint .009#, False Dragonhead .008#, Flowering Spurge .008#, Red Columbine .008#, Canadian Milkvetch .09#, Prairie Cinquefoil .015#, Lead Plant .01#

Dry/Mesic Pollinator \$265.00 AC 3/4 \$198.00 1/2 133.00 1/4 67.00

Wet/Mesic Pollinator \$290.00 AC 3/4 \$218.0 1/2 \$145.00 1/4 \$73.00,

The Hawkeye \$280.00 AC 3/4 \$210.00 1/2 \$140.00 1/4 \$70.00

The Cyclone \$280.00 AC 3/4 \$210.00 1/2 \$140.00 1/4 \$70.00

Northern Hardwood Trees — Bareroot

Birch, Paper Native 5 for \$20.00 25 for \$90

2-3' (*Betula papyrifera*) Grows 30-50' tall. Best adapted to loam to sandy soils; found along stream banks and bottomlands. Lustrous medium to dark green in summer changing to yellow in fall. Medium to fast growth rate. Handsome landscaping tree. Good for firewood.



Cherry, Black Native 5 for \$18 25 for \$80

18-24" (*Prunus serotina*) Grows up to 60' in moist, fertile, well-drained soils. Grows rapidly when given full sun. Native black cherry occurs in upland woods, wood edges and fencerows throughout Iowa. The principle value of the black cherry is its wood. Fruit also used for jelly and wine. Produces excellent wildlife food.



Maple, Red Native 5 for \$18 25 for \$90

2-3' (*Acer rubrum*) Grows to 80'. One of the most abundant and widespread hardwood trees in North America. Can thrive on a wide variety of soil types and sites (dry ridges to swamps). Leaves are light green with pale greenish yellow underside. Brilliant red leaves in the fall when conditions are right. Fast growing on moist sites. Commonly planted as an ornamental.



Oak, Bur Native 5 for \$22 25 for \$90

18-24" (*Quercus macrocarpa*) Grows to 60-80'. A slow grower. Tolerates most soils. Requires full sun. Acorns provide excellent wildlife food source. Autumn color yellowish-brown. Used for making whiskey barrels, railroad ties, flooring and furniture.



Oak, Pin Native 5 for \$19 25 for \$100

2-3' (*Quercus palustris*) Grows to 60-80'. One of the faster growing oaks. A pyramidal shaped tree with slightly drooping branches. Does best on moist or well-drained sites and full sun. Valuable wood products and timber tree. Acorns provide excellent wildlife food source. Autumn color is scarlet red.



Oak, Red Native 5 for \$21 25 for \$90

2-3' (*Quercus rubra*) Grows to 70-90'. Very adaptable, does best on moist sites in full sun. One of the fastest growing oaks, round form, excellent shade tree. Fall color ranges from vibrant red, orange-red to brown. Acorns eaten by turkeys, blue jays and ruffed grouse.

