



# Shiawassee Conservation District

## Your Land, Your Water ~ Your Michigan

1900 S. Morrice Road • Owosso, MI 48867 • (989) 723-8263, Ext. 3

Spring 2009

## Shiawassee Conservation District's 59th Annual Meeting

**Thursday March 19th, 2009**  
Memorial Healthcare Auditorium  
826 W. King Street, Owosso

**Social 6:00pm**  
**Dinner Buffet Served at 6:30pm**

"Animal Welfare"  
Presentation by Dennis Rudat,  
Michigan Farm Bureau  
Awards and Door Prizes

**Conservation Farmer of the Year**  
**Lyle Luft**

**Dennis Rudat, Director of  
Information & Public Relations Division  
Michigan Farm Bureau**

**Presents: Animal Welfare**

What has happened in Florida, Arizona, California and Colorado that could affect your farm operation here in Michigan? Who are the special interest groups behind the ballot initiatives and the legislation that could dramatically change, if not end, livestock production – ultimately affecting all farming? The threat is real. Find out why Michigan may likely be the next state on the list for animal rights special interest groups and what you can do to defend agriculture in your community.

Reservations will be taken at the District office or at (989) 723-8263, ext. 3  
\$10 per person



## Backyard Orchardist Pruning Workshop

*Featuring Jeff Tuller, District Forestry/Wildlife Specialist*

**February 28th, 2009**  
9:00 AM - 12:00 PM  
\$5.00 per person

**Please RSVP by February 23rd.**

Workshop & on-site demonstration  
(*weather permitting*) will be held at the  
**Shiawassee County Fairgrounds**  
in the **Community Room** located at  
2900 E. Hibbard Road; Corunna

**For further details and to RSVP please call  
the Shiawassee Conservation District at 989-723-8263, ext. 3.**

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## Forestry Assistance

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*Jeff Tuller, District Forestry/Wildlife Specialist*

Shiawassee County is approximately 13.5% forested which equates to almost 50,000 acres. When compared to most of Michigan this is not much area, but because many of these forested acres in our county are in rich soils and stocked with quality hardwood trees, these lands can be very productive. How we use these forestlands can make a big impact on their future timber value, health, productivity, wildlife habitat, and more. This is a good reason to consult with a forester when making management decisions about your woodland.

As a forester working with Conservation Districts for almost 13 years, I have seen many woodlots and worked with many landowners. Each landowner has unique values when it comes to their forestland. I have assisted these landowners on many issues such as forest management plans, timber harvesting, forest stand improvement, tree pruning, forest pest management and control, tree planting, reforestation, wildlife habitat, invasive species control, urban forestry, and more. Most of this forestry assistance has been on site working with individual landowners, but I have also conducted workshops dealing with one or more of these issues.

Much of the time I spend with landowners is focused on forest management. A forest management plan is a great start for a landowner and is often required for cost share programs or programs that require forestland certification like Tree Farm.

There is also a new property tax incentive program through the state that requires a forest management plan. As a certified forest management plan writer, I begin by interviewing a landowner as part of the initial walk of the property. Then an extensive inventory of the forestland is conducted to determine exactly what composes the forest stand. The plan itself contains information such as a description of the land, soils information, forest types, maps, forest management activities over the next 10 years and much more. Currently there is opportunity to have ½ the cost of a forest management plan paid for through the Forest Stewardship Program.

Not only do I assist forest landowners with forest management planning, but I also provide assistance with forest management practices. I mark trees in your woodlot for timber harvesting, thinning, and forestland improvement as well as terminate unwanted trees with herbicides or girdling. I also do grape vine control, pruning for timber value, and invasive species control. Additionally, I have planted hundreds of acres of trees, shrubs, and grasses for landowners with the appropriate weed control to benefit desired plants. In recent years I have been able to save hundreds of ash trees in the urban landscape using the latest technology in trunk injections. If you are interested in professional forester services or would like to learn more, please contact me at (810)841-4414.

### Forestry and Wildlife Conservation Program Service Fees

Site Visit Fee.....	\$75 first hour; \$25 each additional hour (call for price outside of regular service area)
Tree Planting—By Machine .....	\$0.16/seedling (\$185 minimum) plus cost of trees & planter rental
Tree Planting—By Hand .....	\$0.25/seedling or \$1/transplant plus cost of trees & full site visit fees
Herbicide Application—Reforestation .....	\$0.10/seedling plus full site visit fees
Herbicide Application—Site Prep.....	\$50/acre plus full site visit fees
No Till Drill Seedling .....	\$25/acre plus cost of drill rental
Tree Marking—Wildlife Habitat .....	\$10/acre plus full site visit fees
Forest Stand Improvement .....	\$30/acre plus full site visit fees
<i>Marking Trees</i>	
Forest Stand Improvement .....	\$60/acre plus full site visit fees (herbicide cost is included)
<i>With Herbicide</i>	
Forest Stand Improvement .....	\$25/hour plus full site visit fees
<i>Cutting Cull Trees</i>	
Forestry and Wildlife Plans .....	\$125
Forest Stewardship Plans.....	\$300 minimum



# SPRING 2009 TREE FUNDRAISER ORDER FORM

## SHIAWASSEE CONSERVATION DISTRICT

Office Use Only	
Order Number	
Date Received	
Processors Initials	

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ Zip \_\_\_\_\_

Phone-Day \_\_\_\_\_ Evening \_\_\_\_\_

Email \_\_\_\_\_

Please send me more information

**Energy Savings for the Novice** workshop Saturday April 4th, 2009  
 Please check the box for more information or contact the Shiawassee Conservation District

	PLUGS	SIZE						QUANTITY	TOTAL		
			5	10	25	50	100				
CONIFERS	Balsam Fir	5"	\$6.50	\$11.50	\$25.00	\$45.00	\$70.00				
	Colorado Blue Spruce	7"	\$6.50	\$11.50	\$25.00	\$45.00	\$70.00				
	Red Pine	4"	\$6.50	\$11.50	\$25.00	\$45.00	\$70.00				
	White Cedar	7"	\$6.50	\$11.50	\$25.00	\$45.00	\$70.00				
	White Pine	4"	\$6.50	\$11.50	\$25.00	\$45.00	\$70.00				
	White Spruce	7"	\$6.50	\$11.50	\$25.00	\$45.00	\$70.00				
HARDWOODS / SHRUBS	American Hazelnut	10"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00				
	Hard Sugar Maple	10"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00				
	High Bush Cranberry	14"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00				
	Honey Locust	12"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00				
	Juneberry	8"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00				
	Nannyberry	10"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00				
	Ninebark	10"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00				
	Red Elderberry	7"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00				
	Red Maple	10"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00				
	Red Oak	10"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00				
	Red Osier Dogwood	15"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00				
	Shagbark Hickory	8"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00				
	Silver Maple	12"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00				
	White Birch	14"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00				
<b>BARE ROOT SEEDLINGS</b>		<b>Size</b>	<b>5</b>	<b>10</b>	<b>25</b>	<b>50</b>	<b>100</b>	<b>500</b>	<b>1000</b>		
Colorado Blue Spruce		8-12"	\$3.75	\$7.00	\$14.00	\$20.00	\$35.00	\$150.00	\$250.00		
Norway Spruce		8-12"	\$3.75	\$7.00	\$14.00	\$20.00	\$35.00	\$150.00	\$250.00		
White Spruce		8-12"	\$3.75	\$7.00	\$14.00	\$20.00	\$35.00	\$150.00	\$250.00		
White Pine		8-12"	\$3.75	\$7.00	\$14.00	\$20.00	\$35.00	\$150.00	\$250.00		
Red Cedar		8-12"	\$3.75	\$7.00	\$14.00	\$20.00	\$35.00	\$150.00	\$250.00		
<b>LARGE TREES</b>		<b>SIZE</b>	<b>PRICE EACH</b>								
Autumn Blaze Maple		5-6 feet	\$25.00								
Tulip Poplar		5-6 feet	\$15.00								

See reverse for additional products

Subtotal

FRUIT TREES	SIZE	EACH	QUANTITY	TOTAL
Honey Crisp Apple	5-6 feet	\$16.50		
Lucky Jon Apple	5-6 feet	\$16.50		
Twin Bee Gala Apple	5-6 feet	\$16.50		
Sun Fuji Apple	5-6 feet	\$16.50		
Northern Spy Apple	5-6 feet	\$16.50		
Wolfriver Apple	5-6 feet	\$16.50		
Cresthaven Peach	5-6 feet	\$16.50		
Ulster Cherry	5-6 feet	\$16.50		
Black York Cherry	5-6 feet	\$16.50		
Montmorency Cherry	5-6 feet	\$16.50		
Pair of Pear trees - Harrow Delight and Harrow Sweet Pear	5-6 feet	\$30.00		
MISCELLANEOUS		EACH		
Wildflower Seeds - 1oz		\$4.00		
Fruit Wrap		\$2.00		
Solid Tree Protector		\$1.75		
Mesh Tree Guard		2/\$1.50		
Tree Flag		\$0.20		
PLANTSYDD DEER, ELK & RABBIT REPELLENT				
1lb Granular (covers 600 sq ft)		\$15.00		
1lb package (treats 200-400 plants)		\$25.00		
1qt pre-mixed spray (treats 80-100 plants)		22.00		
5qt pre-mixed spray (treats 400-800 plants)		\$55.00		

Checks payable to:  
**Shiawassee CD**  
Send order form &  
payment in full to:

**Shiawassee Conservation District**  
**1900 S. Morrice Road**  
**Owosso, MI 48867**

Phone: 989-723-8263, Ext. 3

**FINAL DATE TO ORDER**  
**MARCH 27, 2009**

Total Back	
Total Front	
<b>6% Tax</b>	
Handling Fee	\$1.00
Donation	
Total Due	

Total Enclosed	
Check No.	



Orders can be picked up at the:  
**Shiawassee County Fair Grounds; Draft Horse Barn**  
2900 E. Hibbard Rd, Corunna

Pick up dates and times:  
**Thursday April 16th, 9 AM to 7 PM**  
**Friday April 17th, 9 AM to 4 PM**




### FRUIT WRAPS

- ✓ Protection from Herbicide spraying and rabbits
- ✓ Easy to install wrap-round design
- ✓ Expands with tree growth
- ✓ 24" tall
- ✓ Designs to degrade naturally as tree grows
- ✓ Made from environmentally harmless polypropylene
- ✓ Available for only \$2.00 each!

### PLANTSKYDD REPELLENT

Plantskydd Deer Repellent works by emitting an odor that animals associate with predator activity, repelling the animal before it nibbles on plants. Research has proven that odor-based repellents are more effective than other repellent systems where the animal needs to taste treated plants before being repelled. Once animals are attracted to an area and begin feeding, it is more difficult to discourage them from returning. Plantskydd stimulates a fear-based response which will have deer, elk, moose, opossum, and rabbits looking for somewhere else to dine.



**Plantskydd®**  
**REPELLENT**  
DEER • RABBITS • ELK

**For use with credit card payment**

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Card Number

---

Visa / MasterCard      Exp. Date      Security Code

---

Authorization Signature

---

Name how it appears on Credit Card

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Street Address

---

City, State and Zip

## Spring 2009 Tree Fundraiser Ordering Information & Guidelines

1. Return the completed order form with full payment to: **Shiawassee Conservation District  
1900 S. Morrice Rd; Owosso, MI 48867  
989-723-8263, ext. 3**
2. The final date to order is **March 27, 2009.**
3. All returned checks will be subject to a \$35 fee.
4. After orders are placed there will be a \$25 service charge for any substitutions or cancellations. There will be no charge when only additions are made to an existing order.
5. We do not guarantee survival. Our liability ceases when seedlings are picked up. It is unlawful for these trees, shrubs and other plants to be resold with the roots attached in accordance with the Insect Pest and Plant Disease Act. PA 189 of 1931 as amended.
6. Orders not picked up will not be refunded.
7. No refunds on orders canceled after **March 27, 2009.**
8. The Shiawassee Conservation District reserves the right to cancel orders and refund payments due to reasons beyond their control.
9. Substitutions made by the nurseries are beyond the District's control.
10. Add orders carefully. Any errors \$10 and under will be considered a donation to the District.
11. All donations will be deposited into the Shiawassee Conservation District general fund.
12. Pictures and descriptions of all trees are available in the District office.
13. Orders can be picked up at: **Shiawassee County Fair Grounds in the Draft Horse Barn  
2900 E. Hibbard Road, Corunna**
14. Pick up dates and times are all follows: **Thursday April 16th; 9:00 AM to 7:00 PM  
Friday April 17th; 9:00 AM to 4:00 PM**

### Tree Plugs

Tree Plugs are germinated from seed and grown in trays for one to two years. Because seedlings are already growing in a "plug" of dirt, tree plugs have a better survival rate, are easier to plant and have immediate growth response benefits. They generally don't experience as much stress during transplanting as bareroot trees, and can be planted at almost any time of the year.



### Wildflower Seeds



1 oz ~ sows 250 sq ft

#### Mix includes:

















- |                             |                          |
|-----------------------------|--------------------------|
| * Prairie Aster             | * Butterfly Weed         |
| * Lance Leaved Coreopsis    | * Pale Purple Coneflower |
| * Plains Coreopsis          | * Rattlesnake Plant      |
| * Purple Coneflower         | * Ox-eye Sunflower       |
| * Blanketflower             | * Prairie Blazing Star   |
| * Indian Blanket            | * Purple Prairie Clover  |
| * Standing Cypress          | * Grey-headed Coneflower |
| * Perennial Lupine          | * Clasping Coneflower    |
| * Lemon Mint                | * Sweet Black-eyed Susan |
| * Evening Primrose          |                          |
| * Yellow Prairie Coneflower |                          |
| * Black-eyed Susan          |                          |


1 oz ~ \$4.00






### Solid Tree Protector


Tube speeds photosynthesis by trapping moisture, thereby raising relative humidity and ambient temperature inside the tube. Protects the tree from animals, wind, small rodents and insects. Diameter around the tree may be expanded by linking two or more of the tubes. \$1.75



	Variety	Height	Light Tolerance	Soils	Notes
Conifers	Balsam Fir 	40-60' tall	Partial sun; drought tolerant	Adaptable but prefers well drained soils	Good wildlife value; aromatic needles
	Colorado Blue Spruce	30-90' tall	Full sun, drought tolerant	Best in moist to well drained soils but will tolerate dry conditions	Excellent for wildlife cover and windbreaks
	Norway Spruce	75 - 100' tall	Shade tolerant	Prefers moist soils	Winter cover for wildlife
	Red Cedar 	25-60' tall	Sun; shade intolerant	Well adapted for most soils, drought resistant	Excellent wildlife value
	White Cedar 	40-70' tall	Shade intolerant	Prefers neutral to alkaline soils	Foliage & twigs eaten by deer; fruit eaten by birds
	Red Pine 	70-80' tall	Sun; shade intolerant	Prefers well drained sandy soils	Seeds used by songbirds & small mammals
	White Pine 	60-100' tall	Moderately shade tolerant	Adapted to most soils in its range; prefers well drained sandy soils	Great for Windbreaks; A preferred deer food
	White Spruce 	50-60'	Shade tolerant	Prefers moist, sandy loam soils	Food and winter cover for wildlife
	Hardwoods / Shrubs	Autumn Blaze Maple	40-60' tall	Full sun	tolerates clay soil, & will withstand wet soil conditions & drought
American Hazelnut 		10' tall erect bushy shrub	Shade intolerant	Characteristic of dry open sites in dry & moist situations.	Flowers March-April; Fruits August-September large nuts, 2-4 in cluster.
High bush Cranberry 		13' tall	Moderately shade tolerant	Frequent along steams, open or lightly shaded swamps & wet grounds	Flowers May-June, clusters of white flowers; fruits September scarlet fruit
Honey Locust 		30-50' tall	Full sun only	Adaptable but prefers rich, moist bottomlands	Large sharp thorns; fruit eaten by small mammals and deer
Juneberry 		6-15' tall 5-12' wide	Full to partial sun; poor drought tolerance	Prefers moist loams; high organic matter	White berries; excellent wildlife benefit; good for screen planting and landscape plantings
Nannyberry 		10-14' tall 8-12' wide	Full sun to partial shade; poor drought tolerance	Wide variety of soil conditions	Creamy white flower; red/blue berry; berries are edible
Ninebark 		8' tall 8' wide	Sun to partial shade, intolerant of full shade	Prefers will drained to moist soils	Good cover for wildlife, showy pink flowers
Red Elderberry 		10-20' tall	Prefers full sun; shade tolerant	Adaptable to a wide variety of soils	Small white flowers in spring; bright red berries in summer; berries used in jelly or wine
Red Maple 		50-70' tall	Partial to full sun	Grows well on a wide range of soils	Fruit attracts birds, squirrels and other mammals
Red Oak 		75-100'	Full sun; moderately shade tolerant	Prefers dry upland soils	Acorns eaten by turkey, ruffed grouse and blue jay. Relatively free of insect and disease pests
Red Osier Dogwood 		7-10' tall 10-15' wide	Full to partial sun; poor drought tolerance	Adaptable to a wide variety of soils; prefers wet to moist loamy soils	Fruit is very valuable to wildlife-ripens late summer & remains though the fall and into winter months

 Native to Michigan

	Variety	Height	Light Tolerance	Soils	Notes
Hardwoods / Shrubs	Shagbark Hickory 	60-80' tall	Full to partial sun	Adaptable to many soils; grows well in light well drained soils	Good ornamental tree; golden yellow fall color; relatively free of insect & disease pest
	Silver Maple 	60-80' tall	Sun; shade intolerant	Prefers moist or moderately drained soils	Seeds used by songbird & small animals
	Sugar Maple 	50-75' tall	Sun to partial shade	Prefers evenly moist and well drained soils, poor drought tolerance	Extremely showy fall colors, principal source of maple syrup; good wildlife value
	Tulip Poplar 	80-100' tall	Full sun	Prefers well drained, acid soil	Fragrant greenish-yellow tulip like flowers; fruit attracts birds
	White Birch 	45-50' tall	Full sun; shade intolerant	Well adapted to many soils, best in well drained acid, sandy or silty loam	White bark; yellow fall leaf color

 Native to Michigan

	Variety	Fruit Description	Picking Dates	Pollination
Fruit Trees	Honey Crisp Apple	Large; skin is 50-90% red over yellow background; exceptionally crisp & juicy	September 15 - September 25	Cross pollination
	Lucky Jon Apple	Skin has a dark red blush covering 80-90% of surface	September 15 - October 1	Cross pollination
	Twin Bee Gala Apple	Fruits have reddish-orange background & prominent red stripe that cover 90-100% of apple; flesh is crisp, firm & juicy with a sweet flavor	September 1 - September 10	Cross pollination
	Sun Fuji Apple	Standard Fuji sport with higher coloring characteristics with pink-red tones	November 5 - November 10	Cross pollination
	Northern Spy Apple	One of the finest old-time varieties with a delicious tart flavor; good pie & eating apple	October 5 - October 20	Cross pollination
	Wolfriver Apple	Large to very large, skin is pale yellow to green with carmine red blushes & stripes; cooking apple	September 15 - October 1	Cross pollination
	Cresthaven Peach	Skin is tough but smooth; flesh is clear, firm & resistant to browning	September 1 - September 10	Self fruitful
	Ulster Cherry	Sweet cherry; fruit is large; flesh is firm & dark red	July 5 - July 15	Cross pollination
	Black York Cherry	Sweet Cherry; cold hardy; resistant to bacterial canker & other cherry diseases; fruits are medium sized, round, dark red; good quality for fresh & processing	July 5 - July 15	Cross pollination
	Montmorency Cherry	The best red tart cherry for home & commercial processing	July 15 - July 25	Self fruitful
	Harrow Delight Pear	Skin is yellow with red blush; fruit size is comparable to Bartlett; very sweet & juicy with excellent taste & keeps well in in cold storage for 10 weeks	August 10 - August 20	Cross pollination
	Harrow Sweet Pear	Skin is yellow with red blush; fruit size is comparable to Bartlett; very sweet & juicy with excellent taste & keeps well in in cold storage for 10 weeks	September 20 - October 1	Cross pollination

**Pollination** The only way to insure a fruit tree crop is to have adequate pollination. To have cross pollination in an orchard, there must be more than one variety in each planting. The best production comes from orchards with at least three varieties. Call the Shiawassee CD Office for more information.

**Shiawassee Conservation District**  
1900 S. Morrice Road  
Owosso, MI 48867

Nonprofit  
Organization  
U.S. Postage  
**PAID**  
Owosso, MI  
Permit No. 87

## 2009 SPRING TREE FUNDRAISER *DETAILS INSIDE*

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (Braille, large print, audio tape, etc.) should contact USDA's TARGET Center at (202)720-2600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

*conservation*  
YOUR LAND, YOUR WATER  
YOUR MICHIGAN  
MAKE A LONG-LASTING,  
POSITIVE IMPACT ON  
MICHIGAN'S NATURAL RESOURCES.  
NO RESOURCE IS TOO SMALL  
OR TOO LARGE.

**Directors:**  
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Duane Leach, Vice Chairperson  
Larry Lee, Treasurer  
Lyle Luft, Director  
Josh Crambell, Director  
**Staff:**  
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Donna Flagg, CREP Technician,  
Administrative Assistant  
Bill Kuechenmeister, CREP Technician  
Thomas Wert, Groundwater Technician  
Andrea Berry, CMI Project Manager  
Kathy Schnell, Conservation Technician  
Tina Tuller, District Conservationist, NRCS  
Greg Lenau, Soil Conservation Technician, NRCS

*www.shiawasseed.org*

**SHIAWASSEE CONSERVATION DISTRICT**