



# Shiawassee Conservation District

Your Land, Your Water ~ Your Michigan

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

Spring 2010

## SHIAWASSEE CONSERVATION DISTRICT CELEBRATING 60 YEARS OF CONSERVATION!

### 60th Annual Meeting

**Thursday March 18th, 2010**

Knights of Columbus  
1259 E. M-21, Owosso  
\$15.00 per person

**Cash Bar and Social 6:30 pm**

**Dinner Served 7:00 pm**

Baked Chicken, Roast Beef  
Red Potatoes, Green Beans & Salad

### Film Maker and Song Writer Bill Jamerson presents: Dollar-A-Day Boys - Civilian Conservation Corps



The Civilian Conservation Corps was a depression era work program created by President Roosevelt. The teenaged boys worked in camps restoring America's damaged natural resources. They built dozens of National Parks, constructed thousands of miles of roads, fought forest fires, and worked to prevent soil erosion.

Bill presents a fast moving multi-media presentation that includes heartwarming stories, original music, excerpts from his novel and a short clip from his PBS film. Bill's story telling and songs keep people on the edge of their seat and their feet tapping.

**Reservations can be made at the District office or at (989)723-8263, ext. 3**

**MARK YOUR CALENDAR!**

### Upcoming Opportunities

*More Details Inside!*

Beekeeping Classes - January 30 & February 13

Equine Workshop - February 27

Shiawassee Conservation District  
Annual Meeting - March 18

Deer Habitat Management Workshop - March 27

Tree Pickup Days - April 15 & 16

Tree Disease &  
Pest Workshop - May 24

#### January 2010

S	M	T	W	T	F	S
24	25	26	27	28	29	30
31						

#### February 2010

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

#### April 2010

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

#### March 2010

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

#### May 2010

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23/20	24/21	25	26	27	28	29

# Winter/Spring Workshops

## Beekeeping Classes

Class 1 - **January 30, 2010**; 9am - 12:00am  
Class 2 - **February 13, 2010**; 9am - 12:00am  
Shiawassee County Fairgrounds  
Community Center  
2900 E Hibbard Road; Corunna

Managing honeybees can be a very rewarding enterprise and a profitable endeavor. Folks want to keep bees for the honey they produce or for the pollination they provide. This two part class is designed for beginning beekeepers to answer questions, avoid many pitfalls and understand the things that are necessary to get started in beekeeping.

Workshop fee is \$15.00 & includes admission to both workshops, an informational packet & refreshments.

## Equine Workshop

**February 27, 2010**; 9:30am - 2:00pm  
Shiawassee County Fairgrounds  
Community Center  
2900 E Hibbard Road; Corunna

This workshop will cover the most current resource concerns for equine operations. Dr. Karen Waite, Michigan State University, will discuss equine health and unwanted horses; Betsy Dierberger, Natural Resources Conservation Service (NRCS), will discuss toxic plants and NRCS opportunities; Tom Wert, Shiawassee Conservation District will cover the Small Farm\*A\*Syst, evaluation system for pollution risk areas on small farms.

Workshop fee is \$20.00 & includes **lunch** and a valuable informational packet.

For more information on any of the workshops and to RSVP, please contact the Shiawassee Conservation District at (989) 723-8263, ext 3.

## Deer Habitat Management

**March 27, 2010**; 9:30am - 1:30pm  
Shiawassee Dog & Gun Club  
155 S Vitified Hwy; Corunna  
*(off M-21 near Michigan Brick)*

Ed Spinazola has written 3 books focusing on White Tail Deer Management. He will presenting his highly renown program "From Basic Food Plots to Creating Combination Cover and Forage Fields". We will be joined by a biologist from the Michigan Department of Natural Resources to discuss white-tail deer biology, their health and habitat requirements; and Jeff Tuller, a local forester will cover forest management.

**Workshop is free** and includes an informational packet and **lunch provided by Shiawassee River Branch QDMA**

## Tree Disease & Pest Workshop

**May 24, 2010**; 6:30pm - 8:30pm  
Shiawassee Conservation District  
1900 S Morrice Road; Owosso

Jeff Tuller, a local forester will focus on tree diseases and pests, including how to identify and treat issues as well as preventive measures you can take to avoid future problems. Jeff will discuss disease and pest issues as it pertains to forest management as well as managing your backyard trees. **Attendees are encouraged to bring samples of infected trees to be identified during the workshop.**

Workshop fee is \$10.00 & includes an informational packet and refreshments.

# SPRING 2010 TREE FUNDRAISER ORDER FORM

## SHIAWASSEE CONSERVATION DISTRICT

Office Use Only
Order Number
Date Received
Processors Initials

Name \_\_\_\_\_

Address \_\_\_\_\_

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

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

Email \_\_\_\_\_

TREE PLUGS		Size	5	10	25	50	100	QUANTITY	TOTAL			
Norway Spruce		6-10"	\$6.50	\$11.50	\$25.00	\$45.00	\$70.00					
Tamarack		8-12"	\$6.50	\$11.50	\$25.00	\$45.00	\$70.00					
White Pine		4-6"	\$6.50	\$11.50	\$25.00	\$45.00	\$70.00					
White Spruce		6-10"	\$6.50	\$11.50	\$25.00	\$45.00	\$70.00					
CONIFERS	BARE ROOT SEEDLINGS	Size	5	10	25	50	100	500	1000	QUANTITY	TOTAL	
	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		
	Red Cedar		8-12"	\$3.75	\$7.00	\$14.00	\$20.00	\$35.00	\$150.00	\$250.00		
	Red Pine		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		
	White Spruce		8-12"	\$3.75	\$7.00	\$14.00	\$20.00	\$35.00	\$150.00	\$250.00		
HARDWOODS / SHRUBS	American Chestnut		8-14"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00	***	***		
	American Elderberry		18-24"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00	***	***		
	Burr Oak		18-24"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00	***	***		
	Button Bush		18-24"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00	***	***		
	Canoe Birch		18-24"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00	***	***		
	Common Lilac		10-20"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00	***	***		
	Gray Dogwood		18-24"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00	***	***		
	Highbush Cranberry		18-24"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00	***	***		
	Nannyberry		18-24"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00	***	***		
	Red Maple		8-12"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00	***	***		
	Red Oak		8-12"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00	***	***		
	Red Osier Dogwood		18-24"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00	***	***		
	Silver Maple		8-16"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00	***	***		
	Sugar Maple		8-12"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00	***	***		
White Oak		8-12"	\$10.50	\$19.50	\$45.00	\$70.00	\$125.00	***	***			
LARGE TREES		SIZE	PRICE EACH									
Adams Flowering Crabapple		4-5'	\$17.50									
White Flowering Dogwood		3-4'	\$12.00									
Red Bud		3-4'	\$12.00									
									<b>SUBTOTAL</b>			

See reverse for additional products

**Supplies are limited! First orders received will take first priority.**

\*\*\* call District office to place a special order

FRUIT TREES - BARE ROOT	SIZE	EACH	QUANTITY	TOTAL
Honey Crisp Apple	5'	\$17.50		
Snow Sweet Apple	4-5'	\$17.50		
Wolf River Apple	4-5'	\$17.50		
Marquis Ida Red Apple	5'	\$17.50		
Lucky Jon Apple	5'	\$17.50		
Macoun Apple	5'	\$17.50		
Regina Sweet Cherry	6'	\$17.50		
Emperor Francis Sweet Cherry	5'	\$17.50		
Balaton Tart Cherry	5'	\$17.50		
Coralstar Peach	5'	\$17.50		
SummerBeaut Nectarine	4'	\$17.50		
WILDFLOWER SEEDS		EACH		
Bee Feed Flower Mix - 1oz		\$4.50		
Bird & Butterfly Mix - 1oz		\$4.50		
Deer Resistant Mix - 1oz		\$4.50		
MISCELLANEOUS		EACH		
Fruit Wrap, H 30"		\$2.00		
Mesh Tree Guard, H 36"		2/\$1.50		
Solid Tree Protector, H 36"		\$2.50		
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		
3lb granular (covers 1800 sq ft)		\$30.00		
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 19, 2010**

Total Back	
Total Front	
<b>6% Tax</b>	
Handling Fee	\$2.00
Donation	
Total Due	

Total Enclosed	
Check No.	



## Wildflower Seed Mixes

### Bird & Butterfly Mix

This choice mixture provides seeds and nectar to songbirds, hummingbirds and butterflies.



### Deer Resistant Mix

This mixture is a blend of plants known to be resistant to deer browsing. Keep in mind that if natural food supplies are low, or local populations of deer are dense, even these plants may be browsed by deer.



### Bee Feed Flower Mix

This mixture is a blend of nectar and pollen producing flowers for honey bees, native bees, bumble bees and other pollinators. This mix will provide bee forage all season long.

***For a list of seeds included in mixtures, please contact the District office at (989)723-8263, ext 3***













#### For use with credit card payment










Card Number		
Visa / MasterCard	Exp. Date	Security Code
Authorization Signature		
Name how it appears on Credit Card		
Street Address		
City, State and Zip		

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 15th, 9 AM to 7 PM**  
**Friday April 16th, 9 AM to 4 PM**

# Tree Descriptions

	Variety	Height	Light Tolerance	Soils	Notes
Conifers	Colorado Blue Spruce	30-90' tall	Full sun	Best in moist to well drained soils but will tolerate dry conditions	Excellent for wildlife cover & windbreaks; drought tolerant
	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
	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 referred deer food
	White Spruce 	50-80' tall	Shade tolerant	Able to establish on wet sites	Found with balsam fir, red maple, trembling aspen
Hardwoods / Shrubs	Adams Flowering Crabapple	The pollination solution! Increased pollen through increased bee activity; occupies little space; can be inter planted between regular fruit tree spaces; produces an abundance of dense deep pink flowers, resistance to fire blight, cedar apple rust, mildew and scab.			
	American Chestnut 	30-60' tall	Shade intolerant	Tolerant of droughty soils	Nuts enclosed in a bristly bur; 1-3 nuts in each bur & are sweet & edible
	American Elderberry 	5-12' tall	Best in full sun	Wide spread, but grows well on well drained, slightly acid soil bordering streams	Whitish flowers in late spring early summer; purple black fruit in August
	Burr Oak 	60-80' tall	Moderately shade tolerant	Found on a variety of soils; highly drought tolerant yet tolerant of spring flooding	Acorns germinate in autumn, reportedly more tolerant of city pollutants than other oaks
	Button Bush 	5-15' tall	Shade intolerant	Characteristic of open swamps, lake shores, & stream margins	Bush with attractive summer foliage; white flowers in late summer; typical low area where water stands at least 1/2 year
	Canoe Birch (Paper Birch) 	50-70' tall	Full sun, shade intolerant	Adapted to variety of soils, does best on well drained acid, sandy or silty loam	Bark is brown to bronze on young trees & older trees have chalk white and peels away
	Gray Dogwood 	10-15' tall Spreading shrub	Sun and shade tolerant	Best in moist soils, but will grow in wet or dry soils	Deer resistant; flowers are white; fruit are white drupes; maroon or purple red fall color
	Highbush Cranberry 	8-12' tall	Moderately shade tolerant	Frequent along streams, open or lightly shaded swamps & wet grounds	Flowers May-June; clusters of white flowers; scarlet fruit in September
	Lilac, Common	12-16' tall	Grows well on any upland soil	Full sun	Flowers in May, showy fragrant white to purple flowers
	Nannyberry 	15-18' tall 6-10' wide	Full sun to partial shade	Wide variety of soil conditions	Creamy white flower; red/blue berry; berries are edible; poor drought tolerance

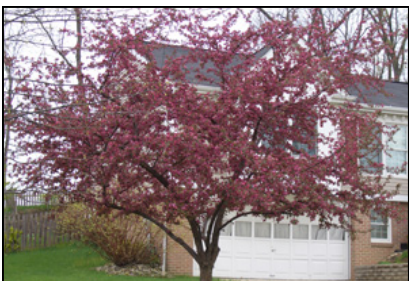
Hardwoods / Shrubs	Variety	Height	Light Tolerance	Soils	Notes
	 Red Bud, Eastern	20-30' tall 25-35' wide	Full sun, moderately shade tolerant	Grows well on many soils	Vase shaped tree with purplish pink flowers that bloom in spring
	 Red Maple	50-70' tall	Partial to full sun	Grows well on a wide range of soils	Fruit attracts birds, squirrels & 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 & 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 & into winter months
	 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 & well drained soils; poor drought tolerance	Extremely showy fall colors; principal source of maple syrup; good wildlife value
	 Tamarack	65' tall	Full sun	Can withstand high soil moisture, high acidity & low soil temperature	Various wildlife eat the seeds and bark; birds use trees for nesting
	 White Flowering Dogwood	16-32' tall	Very shade tolerant	Wide site tolerance; intolerant of flooded sites	Flowers May/June; dense clusters of green leaves surrounded by 4 very large white or pinkish petals
 White Oak	50-80' tall	Full sun; Intermediate shade tolerance	Found on many soil types, does best on coarse, deep, moist, well-drained, & slightly acid soils	Fruit are acorns which are poisonous when eaten raw; acorns eaten by wildlife; makes a good ornamental tree	

# Fruit Tree Descriptions

Fruit Trees	Variety	Size	Fruit Description	Picking Dates
	Honey Crisp Apple	Semi-Dwarf	Large; skin is 50-90% red over yellow background; exceptionally crisp & juicy	9/15 - 9/25
	Lucky Jon Apple	Semi-Dwarf	Skin has a dark red blush covering 80-90% of surface	9/15 - 10/1
	Macoun Apple	Semi-Dwarf	Highly aromatic; well-colored McIntosh type dessert apple; color is dark purplish-red blush over green ground; flesh is white, firm & high quality	9/15 - 9/25
	Marquis Ida Red Apple	Semi-Dwarf	All purpose apple; large bright red fruit; flesh is white, firm & crisp	10/1 - 10/15
	Snow Sweet Apple	Semi-Dwarf	Delightful sweet taste with slight tart balance & rich overtones; snowy white flesh is slow to oxidize and turn brown after cutting	9/15 - 10/1
	Wolfriver Apple	Semi-Dwarf	Large to very large; skin is pale yellow to green with carmine red blushes & stripes; cooking apple	9/15 - 10/1
	Regina Sweet Cherry	Standard	Large, firm fruit; exceptional tolerance to splitting	7/15 - 7/25
	Emperor Francis Sweet Cherry	Standard	Large beautiful high quality red blushed white sweet cherry; very productive	7/5 - 7/15
	Balaton Tart Cherry	Standard	New high quality tart cherry; compared to Montmorency cherry the fruit is significantly firmer and sweeter	7/15 - 7/25
	Coralstar Peach	Standard	Attractive freestone peach with 80% coral red blush; fruit is large	8/15 - 8/25
SummerBeaut Nectarine	Standard	Medium to large fruit sizes; fruit is excellent quality; early freestone with 75-85% red color	8/5 - 8/15	

## Spring 2010 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 19, 2010.**
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 19, 2010.**
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 15th; 9:00 AM to 7:00 PM**  
**Friday April 16th; 9:00 AM to 4:00 PM**



**Adams Flowering  
Crabapple**

**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. A crabapple tree, such as the Adams Flowering Crabapple, can be used as a cross pollinator. They take up little space and produce and abundance of dense pink flowers. Call the Shiawassee CD Office for more information.

### **Solid Tube Tree Protector** **Protex<sup>®</sup> Pro/Gro Solid Tube Tree Protectors**



Each 4" diameter tube speeds photosynthesis by trapping moisture, thereby raising relative humidity and ambient temperature inside the tube. Also protects the tree from animals, wind desiccation, small rodents, and insects. Diameter around the tree may be expanded by linking two or more of the tubes using the easy latch hasp. Constructed of type 2 recyclable polyethylene. **Place with shiny side out.** Note: The tubes should be buried a minimum of 2" into the soil for optimal results.

### **White Flowering Dogwood**





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

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

**CURRENT RESIDENT or**

**2010 SPRING TREE FUNDRAISER *DETAILS INSIDE***

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**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.  
*conservation***

**Directors:**  
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 Duane Leach, Vice Chairperson  
 Larry Lee, Treasurer  
 Lyle Luft, Director  
 Josh Crambell, Director

**Staff:**  
 Melissa Higbee, Executive Director  
 Donna Flagg, Conservation Specialist  
 Thomas Wert, Agricultural Technician  
 Andrea Berry, Watershed Technician  
 Tina Tuller, District Conservationist, NRCS  
 Greg Lienau, Soil Conservation Technician, NRCS

*www.shiawasseed.org*

**SHIAWASSEE CONSERVATION DISTRICT**