



Woodland News

The Value of Deadwood Rance Scott Harmon Penn State

Forest Resources Extension
UNIVERSITY PARK (Centre Co.) — Most of us recognize the importance of living trees: they provide wildlife habitat, oxygen, timber, beauty, and many other assets. However, a common belief is that when a tree's vigor deteriorates, so does its ability to provide benefits. In fact, my American Heritage Dictionary defines deadwood as "anything burdensome or superfluous" — certainly not the qualities of something a landowner would want to have around.

However, dead and deteriorating trees are actually vital elements of healthy forests; they release nutrients, prevent erosion, store moisture, protect seedlings, and supply food and shelter for wildlife. Despite their importance, the number of dead and dying trees in many forest lands has declined due to timber salvaging, fire prevention, firewood

cutting, and worker safety regulations. Good forest stewardship, then, requires us to consider both living trees and deadwood as vital, interacting components of the forest ecosystem that we can manage to meet sustainable forestry objectives.

As a tree's health deteriorates, it begins to lose the battle against invading organisms and the wood becomes weaker and softer — ideal for the work of cavity excavators such as woodpeckers. Many wildlife species use tree cavities for sanctuary against predators, extreme temperatures, and unfavorable weather conditions; and for nesting and brooding. Cavity nesters play a significant role in forest ecosystems by preying on harmful insects and helping to disperse seeds.

Wood ducks, bluebirds, woodpeckers, owls, chickadees, squirrels, raccoons, bats, and mice are among the 35 species of birds and 20 species of mammals that use tree cavities in Pennsylvania.

Standing dead trees (snags) not only provide cavities but also are favorite perching sites for flycatchers, hawks, and owls. Along the water's edge, snags are excellent places to find perching kingfishers, ospreys, and bald eagles. Nuthatches and some bats and salamanders use spaces between loose bark and tree trunks for roosting. Woodpeckers and grouse produce audible reminders of the importance of deadwood for wildlife by using the resonant qualities of deadwood for drumming — a communication technique used to indicate territorial boundaries and attract mates.

Dead trees retain their ability to benefit wildlife and contribute to forest health even after they fall to the ground. Downed, decaying wood provides cover, foraging habitat, and egg laying sites for salamanders; and secure winter travel corridors and thermal protection for small mam-

mals and mustelids, such as weasels. Twenty-three species of amphibians and reptiles take refuge in decaying wood in the northeastern United States, including box turtles, salamanders, and snakes.

By providing habitat and nutrition for organisms such as fungi, centipedes, beetles, and ants — which, in turn, provide food for larger animals such as skunks, bears, and woodpeckers — deadwood plays a key role in forest food webs. Besides directly benefiting wildlife, deadwood plays an important role in forest health by promoting soil fertility. As they decompose, rotting logs slowly release nutrients that help nurture future tree growth and prevent erosion by holding soil in place. The branches and tops of fallen trees help enable the regeneration of forests by protecting new tree growth from animal browsing.

Woody debris also plays a critical role in aquatic environments. Logs and branches that fall into streams and rivers help diversify habitat by creating deep pools, shady areas, and shelter. Consequently, aquatic habitats with

sufficient woody debris support a greater variety of fish, invertebrates, algae, and other organisms than habitats devoid of woody debris. Besides habitat, logs can protect stream banks and lake shores from erosion and trap leaves, which, together with deadwood, are the major source of nutrients and energy for small streams.

In conclusion, good forest stewardship involves regarding dead and deteriorating trees as vital elements of healthy forests to manage for sustainable forestry objectives. For more information about deadwood, request the free publication, Pennsylvania Woodlands Number 7: Deadwood for Wildlife from the Forest Stewardship Program by calling 1-800-235-WISE, sending e-mail to RNRext@psu.edu, or writing: Forest Stewardship Program, Forest Resources Extension, Pennsylvania State University, 7 Ferguson Building, University Park, PA 16802.

The Pennsylvania Bureau of Forestry and USDA Forest Service, in partnership with the Penn State's Forest Resources Extension, sponsor the Forest Stewardship Program in Pennsylvania.

National No-Till Conference Slated For January

BROOKFIELD, Wis. — Heading into its 11th year, the National No-Tillage Conference, being conducted in Indianapolis, Ind., from Jan. 8 to 11 promises to provide hundreds of new ways to reduce costs and increase profits.

Planned exclusively by no-tillers for no-tillers, the National No-Tillage Conference features 54 no-till experts, 18 informative no-till classrooms, seven general sessions and 80 no-till roundtables in a four-day stretch. Best of all, it's all no-till, all the time, with 125 hours of intensive no-till learning.

In a much-anticipated Thursday morning session, Jill Clapperton, a rhizosphere ecologist for Agriculture and Agri-Food Canada at the Lethbridge Research Centre in Lethbridge, Alberta, will explain how microscopic animals in no-tilled soils stabilize soil aggregates while helping build a better soil habitat and improve soil structure, tilth, and productivity. Conference organizers have fulfilled a three-year quest to get this speaker, who has a worldwide reputation, on the program.

"Thursday morning speaker Jill Clapperton is years ahead of anyone else when it comes to analyzing the microbiology of no-tilled soils," said Les Seiler, a no-tiller from Fayette, Ohio. "She'll have answers for things happening in no-till fields that you can't explain."

Another session that is sure to be a hit among no-tillers is the Wednesday evening panel discussion dealing with the 2002 Farm Bill and how it's going to affect no-tillers. Four reputable no-tillers will take the stage, break down the effects of the Farm Bill, and answer questions dealing with this important topic.

Aside from all the valuable knowledge and networking, no-tillers also will receive six no-till books and reports valued at \$148.70.

No-tillers can also save money by registering other members of their farm at a \$50 discount. For more information on this, to request a copy of the 12-page conference program for yourself or neighbors, or to register for the conference, contact Alice Musser at (800) 645-8455 (U.S. only) or (262) 782-4480.

Also, check out No-Till Farmer's Website, www.notillfarmer.com to find a printable file of the entire conference program and registration form.

Major Equipment, Trk & Trl Auction MIDATLANTIC CONTRACTORS AUCTION

Fri., Dec. 20, 2002 at 8:30 AM
FREDERICK FAIRGROUNDS in MD

◆ Drive Thru Auction ◆

DIRECTIONS: Traveling West on I-70, take E Patrick St (Exit 56) to Fairgrounds. Traveling East on I-70, take South St (Exit 55) to Fairgrounds. Traveling North on I-270 take Rt 85 East left onto 355, left onto I-70 East continue to South St Exit 55 to Fairgrounds.

PARTIAL LISTING ONLY
UPDATED LISTS AVAILABLE ON OUR WEBSITE
www.wolfeauctions.com

TRACKLOADERS & DOZERS: Cat 953C, Orops, 4+1 bkt, Cat 953, Orops, Cat 943, Orops, LGP, Cat 941B, 4+1 bkt, Cat 955H, Orops, 4+1 bkt, Case 855D crawler ldr, Orops, GP bkt, Case 855D, Orops, 4+1 bkt, Case 455C crawler ldr, Orops, GP bkt, JD 755 crawler ldr, Orops, GP bkt, KOMATSU D66S crawler ldr, Orops, GP bkt, Fiat FL 11E, Orops, GP bkt, Cat D6D dozer w/tilt, '95 Cat D4C series III dozer, 6-w, Orops, 6 cyl eng, Cat D3C series III dozer, 6-w, Orops, '99 Komatsu D39P dozer, 6-w, Orops, (2) JD 450G dozer, 6-w Orops, Case 550 E dozer, 6-w, Orops, JD 450C dozer

BACKHOES & WHEEL LOADERS: JD 444E rt ldr, cab, GP bkt, JD 544D rt ldr, Erops, Cat 910 G rt ldr, Erops, Case 580 SK 4x4 bkho, Erops ext hoe, Case 580 SK bkho, 4x4 ext hoe, Erops, (2) Case 580K bkho, 4x4, ext hoe, Erops, Case 580K bkho 4x4 Erops, JD 510C bkho, Orops, std hoe, JD 410D bkho, Orops std hoe JD 310D bkho, 4x4 ext hoe, Erops, JD 310D bkho, 4x4, Erops F-stuck Ford 655 A bkho, 4x4 ext hoe Erops Case 680H bkho Erops S/N 9150920 91 JCB 1400B bkho 4x4 ext hoe IH 3414 bkho, Terramite T5C bkho S/N 220127, Terramite T5C bkho Lodi bkho

SKIDLOADERS & ATTACHMENTS: New Case 95 X1 skdstr JD 270 skldlr New Thomas 1700 skdstr GP bkt Bobcat 751 skstr '98 NH LX885 skdstr aux hyd '95 Case 1840 skdstr aux hyd '95 Gehl 5625 skdstr aux hyd ASU MD 70 post truck aux hyd VSU DI 7000 post truck aux hyd FFC soil prepator (2) Bobcat snow blower Set 48 pallet forks Indeco breaker attach

EXCAVATORS & MOTOR GRADERS: Cat 320 hyd exc Cat 312 hyd exc Cat 120B hyd exc Cat 119B hyd exc Hitachi 120 hyd exc Hitachi 200 LC hyd exc '95 Bobcat 331 exc Bobcat X325 exc, Kubota KH61 exc Tekuchi mm exc Galion 1400 motor grader lit scarifier, cab, dsl

FORKLIFTS & CRANES: Zoom Boom 8040 forklift S/N B603401658L Pettibone A 3520 18000 lb forklift dsl eng '98 JCB 530 shooting boom forklift Bantam S 626 15 ton, 3-sect boom Drott vd crane

LOADER TRACTORS & FARM TRACTORS: JD 401C ldr tractor S/N 2695167 Ford 7740 tractor w/boom mower cab air Case 595 util tractor Orops 3 pt pto dual outlets Kubota B2400 4x4 w/ldr ID 4020 ps JD 855 4x4 w/ldr JD 855 w/60 mower MF 135 MF 1140 4x4 w/ldr **ROLLERS:** IR SD 40D smooth drum rlr w/pad foot kit Orops ID dsl S/N 51605 Dynapac C 1111 pad foot rlr Tempo RS 16D pad foot rlr Hyster 625 A dim drive rlr, Wolfe Pac 4000 gas rlr

AIR COMPRESSORS: (10) IR 185 ID dsl IR 250 air comp w/Deutz dsl IR 375 air comp w/Deutz dsl IR 1 apert tagalong air comp

ROAD TRACTORS: 94 IH 8200 1/A rd tractor Dycab Cummins 9 spd AB '89 IH 1/A Rd tract Cummins 13 spd AB '85 Mack S/A Rd tract dsl 5 spd AB

DUMPS: '91 IH 1/A dump '94 Ford F8000 S/A dump dsl 6 spd '92 Ford F350 flatbed dsl auto 4x4 w/snowplow '91 Chevy Kodiak S/A flatbed dump gas 6 spd '91 Chevy S/A dump Cat dsl 6 spd AB

CAB & CHASSIS: '95 Ford F8000 8 3 Cummins 6 spd '91 Ford F700 C&C 7.8 dsl auto '90 Ford F700 C&C gas auto '90 GMC Topkick C&C 3116 Cat 5 spd, '89 Ford F700 C&C 6.6 dsl 5/2 spd

FLATBEDS: '99 Chevy 3500 flatbed, 6.5 dsl, auto '93 FORD F350 flatbed, gas 5 spd 4x4 w/snowplow, '88 Ford F800 18 flatbed dsl, auto AB '98 GMC 3500 HD 12 flatbed dsl auto '94 GMC Topkick 16 flatbed, Cat 3116, Allison auto

BOX TRUCKS: '96 Ford F350 12' box truck w/ltf gas auto '94 Mitsubishi truck dsl auto '93 IH 4700 18 box truck dsl 5 spd '95 Ford '96 21' box truck w/ltf gas 8 3 Cummins 6 spd '91 GMC Topkick 24

CRANES: '95 Mitsubishi rllbr 11' 6 spd AB '92 IH 3900 26 rllbr ldr Dan body 4 car unit DT466 5/2 air brake '95 Ford SD 18 rllbr steel bed w/wheel lift dsl 5 spd IH 1270 S/A tow truck Detroit dsl sleeper '96 Ford F450 bkt truck gas auto '89 Ford F350 bkt truck (2) '95 Ford F8000, bulk oil distribution body w/pumps & meters, 8 3 Cummins 6 spd '85 IH 1700 w/specialty body & hys (2) '92 Ford F800 sewage trucks dsl 6 spd '95 1 rightliner F180 flatbed w/Hiab 22 crane Cummins 9 spd '90 GMC Topkick S/A fuel & lube truck 3116 Cat 6 spd AB 6 prod uct reels w/air comp '90 Mack Rd 690S 1/A flatbed w/41 G 800 BT crane

w/outriggers, max torque 8 spd, ext range trans
EX-VERIZON FLEET: (8) Dodge Ram cargo vans, gas, auto, '96 Ford F350 fiberglass utility, Powerstroke dsl, auto, '92 Ford F150 pu, 4x4, gas, auto, '91 Ford F150 pu, 4x4, gas, 5 spd, '89 Ford F150 pu, 4x4, gas, 5 spd, '88 Ford F150 pu, 4x4, gas, auto, GMC 3500 cube van, gas, auto w/Kohler generator, dual air comp, hot air htr, Ford E-350 cube van, gas, auto w/Kohler generator, dual air comp, hot air htr, GMC 3500 bkt truck, gas, auto w/generator

EX-B & E FLEET: '90 Ford F800 Digger derrick, dsl, auto, AB, '88 Ford F700 svc body truck w/air comp, dsl, auto, AB, '88 Ford F700 bkt truck, dsl, auto, AB, '91 Ford F700 bkt truck, dsl, auto, AB, '90 Ford F800 Digger derrick truck, dsl, auto, AB, '90 Ford F800 Digger derrick truck, dsl, auto, AB

UTILITIES: '94 Chevy 30 HD enc util gas auto '92 Ford F250 ext cab util, V-8, XLT, '92 GMC 3500 HD 12' util w/ltf gate, V-8, Auto PICKUPS: '00 Dodge 1500 pu, V-6, Auto, (2) '00 Chevy 2500 pu, 4x4 gas, auto, '99 Chevy 2500 ext cab pu, 3rd dr gas auto '99 GMC 3500 dually ext-cab pu dsl, auto, '99 Ford F250, dsl, auto '98 Dodge Dakota ext cab 4x4 '97 Ford F250 pu, dsl, 4x4, auto, '93 Ford F350 crewcab pu dsl, auto 4x4 '92 GMC 2500 pu gas, auto 4x4 w/snowplow '86 Chevy K1500 pu w/dump bed, '97 Ford F250 pu 5 spd '02 Ford F150 pu '01 Ford F150 4.6 5 spd '99 Ford F350 crewcab pu dsl 6 spd, 4x4, 1 amat pkg

VANS: '90 Chevy cargo van gas auto '93 GMC step van '87 Ford F250 van (2) '86 Ford E-350 vans (3) '85 Chevy 30 series vans '83 Dodge 350 custom van '93 Chevy cargo van gas auto Chevy 3500 high cube van gas auto '96 GMC cube van '83 Ford cargo van

CARS & SUV'S: '98 Ford Expedition 4x4 V 8 Eddie Bauer '89 GMC Jimmy S-15 (2) '94 Dodge Shadow '93 Dodge Shadow '91 Chevy Caprice '90 Chevy Caprice '90 Chevy Cavalier '87 Dodge Aries station wagon (2) '87 Dodge Omni '84 Chevy Cavalier

TRAILERS: New Fager Beaver 50 ton equip trailer enclosed 45 1/A cu hauler trailer '95 Transco flatbed spread axle trailer no title '93 9 ton Lager Beaver T/A equip trailer 11/16 equip trailer '87 Lager Beaver 1/A flatbed equip trailer Vermeer 9 ton equip trailer S/A tilt top F loader trailer S/A Util trailer Harland 1/A horse trailer

HEAVY WORKING EQUIPMENT: Chicago bender Pexto stump shear South band lathe Walker turner belt/disc sander Miller 300 amp wldr Pexto steel worker's table w/tooling std buggy long reach Lock former bandsaw Sears lapping machine Pexto crimper bath band roller Pexto crimper Lake Erie 48" press brake Manual back gauge Perkins punch press Diaero 24 rollers Widdman bench top Pexto 36 hand brace Craftsman shaper Sears bench top snapper Duro 6 jointer Grizzly 10 arbor saw Craftsman 10 radial arm saw Sears 10 arbor saw Powermatic wood lathe Powermatic 12 planer Delta 6 jointer 6 wood work table w/isc Central 6x4 belt/9 disc sander Whiker turner 12 ped drill press 8 2 wheel trailer 30 gal elec collector

MISC: Betco C26 flex wing mwr Marlow 6 pump w/1 rster dsl Capt boat & trailer Mobark 12 chipper Portable wood mizer sawmill Portable wood mixer twin blade edger (2) car dollies MQ concrete mixer MQ mortar mixer Stump grinder Dale Farnhart Jr golf cart JD 6x4 Gator Yamaha bear 4 wheel

AUCTIONEER'S NOTE: There is a large amount of Rental Equipment from Rentals Unlimited in this auction. A lot of everyday small hand tools pumps & misc equipment. They are well maintained and will sell Absolute.

PRE-SALE FINANCING: CONTACT Telmark LIC at 800-451-3322

TERMS OF SALE: Complete Payment On Sale Day with Cash or Cashiers Check Company or personal check accepted only if accompanied by a Current Bank Letter of Guaranteed Payment visa & Mastercard accepted a 5% administrative fee charged on all non cash/non check purchases.

PRE-SALE INSPECTION: Tuesday, Dec. 10, 2002, 10:00 a.m. to 5:00 p.m.

SALE CONDUCTED BY:

Wolfe INDUSTRIAL AUCTIONS, INC 9801 Hansonville Rd., Frederick, MD 21702
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