

Forest Applications

Training for the Forest's Future!

NEWS

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News
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Photo from the work area of the park at Mt. Madonna. A well maintained camping area!

California Tour

After being home three days from the New England tour, Laura and I departed the day after Thanksgiving for California. We had enough training days out west to make it worthwhile to drive it this time. If you fly in to the closest port and try to get to the locations with gear and rental cars, etc. you still have at least two days to arrive on site. It's a three and a half-day drive but in the bus it's quite enjoyable. The less stress three and a half-day's -It was a great trip!

Laura and I did have one of those near death experience's getting to the Mt. Madonna training site though. It surprised us as we began the trek to the Mt. Madonna site with the bus. We made it up through the park turn off, then up a grade and... it went straight up from there. We couldn't pull the grade. No place to go! The emergency parking brake wouldn't hold. Luckily, Laura holding down the brake did. You can't back up when you are towing a vehicle so the thought processes (and pucker-factor) were stimulated a bit. What to do?

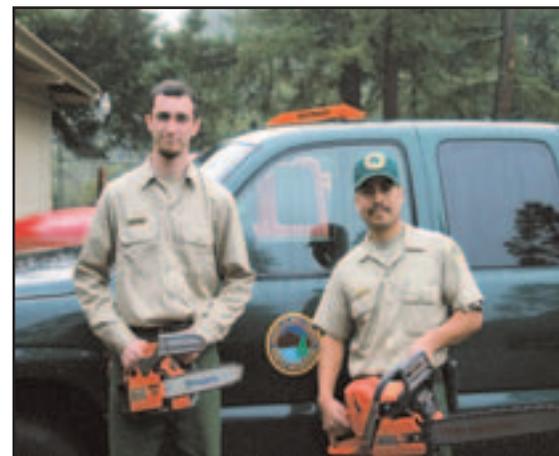
We discussed the situation and then I realized... that's a FORD back there! Yeeeah! Although a small Ford Ranger, I decided the thing to do was to assist the bus with a little Ford Power. I started truck, placed it into 4x4 low and proceeded to push the bus up the mountain. Oh, where are those TV cameras when you need them. I could do Ford commercials as we speak! Everything ended great! We decided to keep the old bus and not trade to a different Kenworth rig. However, it's in PA as of this writing having an engine transplant. 500hp series 60 with turbo will tackle Mt. Madonna next time.

While we were there - the results of our trip...

Santa Clara County Training Mt. Madonna, CA

We had a super training session with Santa Clara County on our December West Coast Training Tour. The program was held this time in a SCC Park Forest where we could remove some trees in a more actual application setting for the groups. The first session was with a new group of participants. Covering basics and looking at the falling and limbing processes. The second group of more advanced. Participants, who had completed the basic day a year ago, were able to get into more details of the planning process and techniques. The second class did very well...

I (Husqvarna) lost two saws. There is a first time for everything I guess. Two perfect scores and not enough time for a tiebreaker so... They deserved it (both of them) though? They did a great job!



Thank you...
Husqvarna, PFERD
and Oregon for your
2004 sponsorship of

Recent burn area of San Diego County, we led to park at Pine Valley, CA (about 1000 ft) and drive on up to the training site there. This program was a train-the-trainer format. The standard three-day saw program and then two days to work on training techniques. The group did very well. We had a large group of participants from the fire and fire departments in the pine areas. It was an interesting experience. Everything was as planned. It was one of the areas in southern California that was hit by the recent fires. This program's participants will be carrying the training to their own operations around San Diego County. It's in good hands!



We were pleased a few months ago to receive a request from South Florida Water Management area for training. Southwest Florida Water has been a training customer for several years from the Tampa area, but it was our first time to the southern most system.



The water management organizations do a great deal of saw work cleaning up storm damage and removing situations around their water systems. We are pleased to be able to work with them presenting saw basics, RDT maintenance, felling, limbing and bucking for removal techniques.

Brushing Up

Stonington, CT

The wind and cold came a little earlier than expected. I wish it would have waited just a few more hours until we finished the brushing training there. The wind came in and being the first cold air of the season it felt blistering to the class attendees and especially the instructor.

The Stonington, CT employees spend a bit of their winter months cutting brush around the parks and recreation areas of the city. They had never had a specific course on brush clearing/brushcutter applications. There is a lot to cover from operator harness set-up to brushcutter and attachment maintenance. The group learned a lot but it was impossible to complete everything planned for the class because of the weather conditions. We may try to do a refresher and include some chain saw, on the next trip to the area in the spring.

Warren Wilson College

Wilmington, NC

The Natural Resources class at WWC work throughout the year performing Timber Stand Improvement and some harvesting on the school's forest. Our first visit to the college was about five years ago and enjoy very much, when possible, working with the new students. We were able to arrange a session on the way back toward Georgia from our New England tour.

We had a short evening orientation with the students upon arriving Friday and then a hands-on Saturday in the school forest where all were involved in various saw application tasks. It was unusual because of the prior training from the instructor (Richard Sanders), the class did a fantastic job with the fieldwork. It is great to see the students who are happy to spend their time to attend a special class. Thanks to the staff for the opportunity... Thanks Husqvarna for making it possible.

We had a super group for the first program and have been invited back the first quarter of 2004 for another group.



First Day of Winter in Stonington

MWCD Ohio Training

The Muskingum Watershed Conservancy District contacted Forest Applications Training to hold a two-day saw program for their employees. Tim held day one of the program with the entire group of close to fifty participants then separated the group into three classes for the hands-on day two of the program. Everyone did very well and seemed to enjoy the program. Thanks go to Scott Tritt their Safety Coordinator for organizing the program.



TCIA Show

Baltimore, MD

The annual Tree Care Industry show was held in Baltimore, MD. Again this year Tim was part of the Tree Worker's Demo Area. The demo area began at last year's show in Milwaukee as an exhibit of the training available through the TCIA's Tree Worker program. At this year's show, presentations were made

use and other presenter's (Robert Phillips and Stanley Longstaff) on rope splicing, mechanical climbing and rope mechanics.

Forest Applications Training presentations included height measure, notching and hinging techniques and the most popular - chain sharpening techniques.

Tim would like to say a special thank you to Oregon® Cutting Systems for sponsoring Forest Applications Training's travel and presentations at the show.



again this year. Tim presented three chain saw applications workshops per day and had sculptures throughout the three-day event on behalf of Husqvarna. The presentations were a crowd draw for the Husqvarna area. Show attendees were very interested in chain saw applications and safety. Husqvarna had saws, trimmers, commercial chainsaws and other products that visitors could try out. A local dealer had special show prices and attendees took advantage of to purchase their own Husqvarna. The Sunbelt Expo is one of the nations largest farm and equipment shows. Over 250,000 attended this years show. The near square mile exhibit area has something you want to see in farm, hunting goods, outdoors and lawn and garden tools.



Get chain saw safety material to use for your tailgate and scheduled safety meetings? The Forest Applications Website has articles and pictures you are welcome to use. Surf around the site when you get a little time...

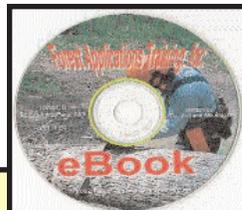
Another great resource is our Forest Applications eBook. You can access it through your laptop on a tailgate for a presentation to your employees. Look at a technique or discuss a hazardous situation with the crew - all at a click of a mouse. Or with the SP version you can print a section for your use. Give it a look-see at www.forestapps.com

I know we are now into the new year by the time each of you receive your copy of the News, but I wish to say that I hope that each of you have had a Happy Holiday season.

In my last article, we talked about upgrading our bus to a new "rig." After a lot of research and discussion, we decided to keep our dear faithful bus and do some upgrades to make it more efficient. Tim will have more power soon; he has the bus in PA getting a new engine with more power. After the episode in California trying to climb the mountains and then getting stuck on one, I was all for the new engine! I still cannot believe that our Ford Ranger...yes I saw the Ford Ranger pushed our 40 ft loaded bus up that mountain. It was one of the most terrifying moments in my life. That bus was not going to go, it would not even hold with the brakes on. I had to sit in the driver's seat holding on for my dear life, pushing down on the brake pedal while Tim was out behind the bus trying to unhook the truck. Not able to unhook the truck he came to the window of the driver's side and said we are going to have to do this together. I am going to get in the truck...our FORD truck and push us up this mountain. Of course, I am beyond calm by this point. He cranked that FORD, I let off the brakes, and up we went. I was shocked it actually worked. If I could have had that camera running this would have made a great Ford commercial.

We have just a few dates open for Winter/Spring. If you would like to schedule a chain saw safety class, please feel free to contact me at info@forestapps.com or call the office at 770-459-3791. May your 2004 continue with JOY, PEACE and LOVE; May your business/career succeed beyond your greatest expectations; These things I do hope for each of you as we go through 2004.- Laura

Sensible Woodcutting Videos are still available. Contact us via the website registration and we will send it to you no charge! <http://www.forestapps.com>



Find out more on our NEW e-book...
The Complete Guide to Chain Saw Safety & Directional Felling

Up A Tree...

Is it important to know how tall a tree may be? If there are hazards and obstacles within its reach, it may well be! Now you can be a bit more confident in your planning procedure before felling a tree. The Cross-Sight from Forest Applications Training, offers you precise tree measurement. Folding to fit easily in your pocket, you can now have a tool handy to quickly size up a tree.

You can read more about the Cross-Sight on our web at <http://www.forestapps.com>. The tool may be purchased from **our new eBook on the web** or from Sherrill, Inc. at 1-800-525-8873. The cost is \$12.00.



man: Greg Imus

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Medford, Oregon 97521-2127

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reduced-weight version on its popular Power
Chain® guide bar. Currently available in 32-
inch .063 gauge, 3/8"pitch the new
Oregon® bar offers the timber cutter a signif-
icant 26% weight reduction. Reduced-
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pitch chains with a simple tip replacement.

Oregon® has been awarded an initial patent
on this innovative new guide bar. The
patent process will continue.

In addition to the long-bar selections to the
Oregon® reduced-weight bar offering are
currently in development. These additions
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When operating with Oregon® reduced-
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and general use of chain saws as well as
purchase from their unique on-line dealer
system. Let'em know where you heard

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Saito. "We earn it through our program of
constant innovation and improvement."

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processes. The company offers a com-
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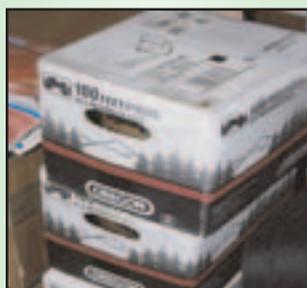
By Tim Ard

It's much easier to just open the bag or box and
pull out a loop of saw chain already cut to length
for your saw and mount it up, but there are situ-
ations where having the ability to produce your
own loops to length can be great!

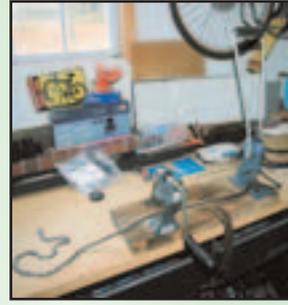
If you have a company or organization that uses
a large number of chain loops in its saw opera-
tions or you have several guide bar lengths and
need the ability to cut chains to fit, this article
may give you some cost saving ideas. Purchasing
saw chain in bulk, roll lengths of 100ft, could
reduce the cost of chain per foot greatly.

With the proper tools you can *break and spin*
saw chain and make up chain loops of any
desired length. You can, as well, repair some of
your damaged chain loops. *Breaking* is the
process of separating saw chain at the tie
straps to size it for a given guide bar length.
Spinning is the process of re-joining the links by
replacing the preset and tie-strap with new
ones, making the loop complete.

Breaking and Spinning tools like Oregon®
Cutting System's new professional units (see
photos) make the process a breeze. These
tools are bench mountable and can be quite



Using these
tools for the
process, but I
can tell you
that other
than an occa-
sional in-field
repair, these a
tools are not
going to give
you profes-
sional results.
If you invest in
a good bench
mounte d
breaker-spin-
ner set, you
will be much
happier. (As
you can see in the
photo, you can make
bench mounted tools
somewhat portable
by mounting them on a short board and
clamping it to a work area. You can also
attach a bracket to the mounting board and
secure it in a vise at the worksite).



The process...

1. Make sure to wear gloves. Saw chain
will cut you! Also, when working with
breaking and spinning tools you should
wear safety glasses or goggles to protect
your eyes.

2. Locate the number of drive links
needed to make up the loop. Count the
drive lengths on the inside of the old saw
chain loop. Recheck the pitch and gauge
of the saw chain needed for the bar and
sprocket of the saw. Make sure to cut the
chain from
the proper
bulk roll.
Sometimes
the guide bar
will have
markings
indicating
pitch, gauge
and link
counts. If not,



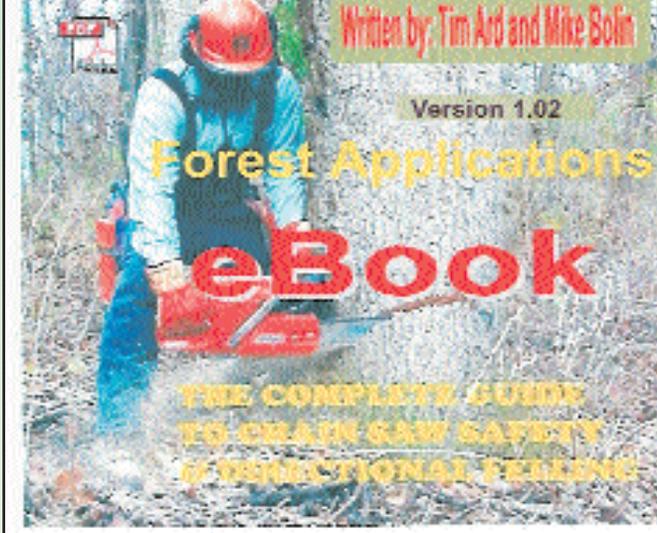
you can reference materials like Oregon®
's chain and guide bar manual or their
line information at www.oregonchain.com.
Typically a regular 3/8" pitch 16" guide bar
saw will use a 60E
(the E designates
drive links) chain
loop. A 20" is 72E.

3. Roll off enough
chain, counting the
drive links, to con-
struct the desired loop size. Make sure you
be accurate with the count. You'll also want



The Forest Applications Training eBook has over 200 pages, 180 photos and 13 unique video clips. All can be read, seen and played from your computer. This is a great training tool for tailgate sessions, new employees or just as a great refresher for yourself. Get yours today for as little as \$19.95 including shipping and handling from the eStore. Pay by credit card on the secure authorize.net pay connection from our website or call 1-800-208-1171 pin# 1235 to place your order.

If you're not computerized... a black and white printed version is available for only \$ 29.95 + \$4.00 shipping and handling.



Don't want to punch out the wrong rivet. A felt marking pen can be used to mark the strap when you finish your count. This will keep you focused on the right link when approaching the breaker.



4. Reference the breaking tool information/manual to make sure the tool is equipped with the proper size punch. Then press up the chain on the correct area of the anvil. The anvil will be marked for the chain link. You must use the proper anvil slot so it supports the chain link properly. The punch is somewhat pointed to line up correctly on the rivet head of the strap you desire to punch out. The anvil must support the link to make sure the chain drive links and adjacent links are not bent under the pressure of the punching process.

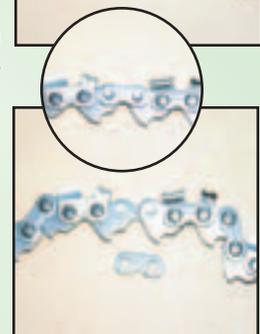
With the selected link on the anvil, pull the handle down slowly lining up the punch on the first rivet to remove. The long lever of the breaker makes for easy work of pressing out the rivet. Apply slow, even pressure, on the handle downward. Jerking the handle will cause damage to the chain and the anvil. Then move to the second rivet of the strap and repeat the handling process. The cut length of chain should now be ready to move to the spinner.



To join the two ends of the chain piece together into a loop, you will need the proper preset and tie-strap for the chain. The preset tie-strap with rivets already pre-set into it can be placed into the two drive links you want to connect. Once you have the

preset in place, put the tie-strap in place over the preset. Make sure to turn the cut out area of the strap and the tie-strap down toward the drive link. This cut out area of the strap gives clearance to the sprockets. It is very important to perform this assembly correctly. Look at the straps around the rest of the loop to make sure it's right before spinning the rivets.

7. The next step is to spin the two rivets to flare or expand them securely. This is done with the chain on the spinning tool. It sometimes seems to take three hands to accomplish this, but the new spinner makes it a lot simpler. You just align the rivet to spin with the spinning anvil, and then tighten the handle against the backside of the tie-strap. Now, turning the handle the rivet compresses and flares the rivet head. Once the rivets are "braded" from the spinning process the chain loop is completed. Take the time to inspect the loop one more time. Inspect the rivets, tie-straps and links. All should be secure. The joints tight but still move freely.



Finally, with everything correct in the inspection, you're ready to mount it up and enjoy the new sharp saw chain. Don't forget your leg, head, eye and ear protection (PPE). Good Sawing! - Tim



If you have any questions or want to know more about the chain tools used in this article please contact Tim at info@forestapps.com.



The new design of the anvil really holds the chain well!



ad a super time during this fall's training to the eastern states. We had an action and five weeks out, which was a long time home, but it was great!

egan in Storrs, CT with a demonstration with the University LTAP program. We've large groups each visit to Storrs and again 65 attendees were present for the session trip.

the *Brushcutter* article for our next stop -ington, CT

Connecticut we headed to Long Island, r a training/demo day with the Long Island st Association. The day was held at the d Cutting Arboretum. The arboretum is a iful, historic location with so many species es. We had 19 attend the session there. overed PPE, notching and limbing techs. This was the second session with the oup and we hope to make it back in 2004 ve a hands-on session at a cutting site e they can apply the techniques for them-

Long Island we drove up the coast to Cod, MA. There we held a two-day train- r the Bay State s program. The on went well. It held at the DPW outh. outh DPW s does a super ganizing the nd taking care participants e class is on ape.



little further into Massachusetts, the next am was held at Belchertown, MA. Another ay program held at the Quabbin Reservoir

ve you tried one or all of the prod- ts we show in the News? asquarna Saws, Oregon Chain and rs, PFERD Files, PFERD Chain arp/SharpForce, See Clear?

nd us a note and let us know at you think!

mail us at info@forestapps.com

gram. The first session was a two-cycle small-engine theory class. Thirty-three (33)

attended. This small engine class is becoming very popular with the DPW's and towns employees. It gives an operator a better understanding of the need for maintenance and how to upkeep the power tools they operate. We hope to offer a second level to this program in the future with a little more hands-on work. We plan to add a tear down module to the program. This will let participants disassemble and become more familiar with carburetion, starter, and maybe even the cylinder and crankcase of a saw or trimmer.



For three more days, classes were held in Potterville. The first two, a chain saw hands-on class and then a limbing and bucking class for those who had previously



Tough Name. Tough Equipme

completed a two-day pro. As always, Jeff Cathcart super job organizing the gram and he tells us the cl for spring 2004 are already. Thanks Jeff!

Before heading south we one more two-day training sion over in Westford, MA o ized by the Mass-Highway program. The training went well

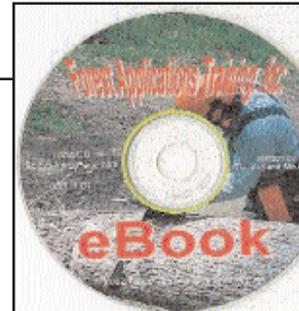
tak- ing down some pine trees in an expansion for a new cemetery in the city.



We are very pleased to see the England area gaining more and interest in our training programs ya again in the spring...

We've released a new version...

The Forest Applications Training, Inc. eBook is selling well. We are quite happy with its progress. The Standard versions are still available from the Forest Applications Training eStore at www.forestapps.com.



The National Arborist Association (NAA) will begin marketing a version for arborists offering four (4) CEU's of ISA credits for the **Certified Arborist's** continued education requirements.

This NAA version Forest Applications Training, Inc. eBook is available from the NAA online library at www.natlarb.org. The new version is printable and has study hyperlink's and a printable quiz that when returned to NAA is worth four ISA credits. The eBook is a great tool for *Tailgate Safety Sessions* with your Tree Care crew. When completed, the employee can take the quiz and receive the continuing education credits.

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2003	
6	Husqvarna - Charlotte, NC
3	Husqvarna Training - Gary House (Husqvarna) Foreman's Academy - Macon, GA (Husqvarna)
2004	
0	Amsler's Saw - Brooksville, FL (Husqvarna)
5	SW FL Water Management - Brooksville, FL SFWMD - Miami, FL Inverness, FL
ch 2004	
4	Forestry Workshop - Birmingham, AL
6	Davey Tree - Atlanta, GA
1	Husqvarna Dir Open House - Grays Lake, IL
4	Roads Conference - Newark, DE
6	Delaware LTAP
1	GEO Met - Bradshaw, WV (tentative)
2004	
6	Maryland LTAP
1	West Virginia LTAP
7	University of Connecticut, Storrs, CT
9	Rhode Island Career Days
	LTAP Rhode Island with Jeff Cathcart
	Rhode Island DOT
2004	
2	PDRMA Illinois
5	Principia College - MO
5	Small Wood Conference - Sacramento, CA
	Great Smoky Mtn Trails - NC
e 2003	
5	VA LTAP (Tentative)
8	Expo Richmond, VA (Husqvarna)
0	Logger Training - KY, VA, TN Program
	Logger Training - Covington, VA
	Forestry Program - American Samoa (Tentative)

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a banner year. Training 212 days, on the road 187 nights and drove over 1000 miles presenting to 4500+ trainees and participants. Hands on classes were more frequent than in years passed. Hands-on programs seem to be a growing trend. A large increase in city, county and state training programs filled the calendar. It is evident that chain saw and brushcutter training is viable to produce results and most of all safety in government work places. Public Works and Transportation Managers are looking at more extensive programs for the future. Training programs are stable with new employees attending, but no new areas were added for the year. Tree Care programs have been tuned to mostly train-the-trainer programs with key employees bringing the hands-on concepts to the other employees. Lawn maintenance crews in other areas have also gained technical skills and safety from the Forest Applications saw and brush saw training.

Homeowner's and farming areas are good candidates for basic saw safety classes and we feel we could find more interest but it will take saw dealers, hardware outlets and county agriculture departments to make it happen. In this one area of training we plan to expand on next year.

2004 - a great year! Thank you to our sponsors - Husqvarna, Oregon Cutting Tools and Pferd for their involvement to make it happen and for their continued support for 2004. Forest Applications Training doing more in 2005...

**order your ChainSharp
PFERD sharpening tool.
How?
Call PFERD 1-800-342-9015**

PFERD

We are amazed at the continued interest in the PFERD Chain Sharp (Husqvarna SharpForce) tool. Everywhere I go people are asking where to buy it and more details as to

it's been years ago now but I can still remember the presentation. A sales representative's pitch at a regional training class. We were all asked to put together presentations on a product feature. One of the gentlemen chose the topic of saw files.

In his presentation he passed around a file and asked each of us to look at the teeth. We looked over the file and passed it on. Once everyone had a chance to observe the file briefly he then asked, "How many teeth are on that file? Did anyone count?" "If you really want a quality file, one that files the material smooth and will also quickly take the material away, it must have teeth." He then said, "Should a quality file that does all this have more teeth or less teeth?"

PFERD's ChainSharp



still remember the presentation today. I can say he was also very right. I don't think I have an exact tooth count, but the file he was using was filled with teeth and it worked well.

There is a lot more to a quality file than a tooth count however. What about tooth cutting angle, the spiral wrap of the teeth, the depth of the teeth, so as to clean itself and remove debris from the filing process. Then, there is the discussion of the hardening process. It is important to the file's ability to cut the hard saw tooth and to stay working at it a long time in the process.

Compare the teeth on your files and name them. Give 'em a count. You may be counting while... it's easier to just look for a name on the box. Many chain saw, accessory manufacturers and users do - look for the name PFERD.



PFERD

Forest Applications

eStore

We have had such a great response to our eStore over the past few months we decided to make it a little more up to date with a real shopping cart service. You can now go to the eStore from several areas of the website and when you do, you can easily select one of the **Forest Applications Training eBooks, Cross-Sight tool, or re-subscribe to the Forest Applications Training Newsletter.**

Just fill your shopping cart and click check out. You are taken to a fully secure check out and credit card processing system to complete your order. It's fast, safe and simple and all from the convenience of your computer.

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