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- [Sign In](#)
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- [Mud Tire Reviews](#)
- [Find Trails](#)
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[Computer Help](#)
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[ATV World](#)

[ATV Clubs](#)
[ATV Tire FAQs](#)
[ATV Tire Mounting](#)
[Cool ATV Products](#)
[LiteFoot Track Sys](#)
[ATV Lift Installs](#)
[Quad Tire Reviews](#)
[ATV Laws By State](#)
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An ongoing Budgeted Rebuild/Build up of a Rock Crawling Machine.

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From Basic Equipment to Well Equipped. An extensive list guide to help you prepare your vehicle for the offroad.



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Wood Variety	Rating	Heat Yield	Burn Difficulty	Split Difficulty	Smoke	Sparks	BTUs per Cord
Ash	Excellent	High	Easy	Hard	Light	No	25.9 Mil
Red Oak	Excellent	High	Easy	Hard	Light	No	21.7
White Oak	Excellent	High	Easy	Hard	Light	No	26.5
Beech	Excellent	High	Easy	Hard	Light	No	21.8
Birch	Excellent	High	Easy	Hard	Light	No	21.3
Hickory	Excellent	High	Easy	Hard	Light	No	30.8
Hard Maple	Excellent	High	Easy	Hard	Light	No	29.7
Pecan	Excellent	High	Easy	Hard	Light	No	
Dogwood	Excellent	High	Easy	Hard	Light	No	24.3
Soft Maple	Good	Medium	Easy	Hard	Light	No	19.1
Cherry	Good	Medium	Easy	Hard	Light	No	18.5
Walnut	Good	Medium	Easy	Hard	Light	No	20.3
Elm	Fair	Medium	Medium	Easy	Medium	No	23.8

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[Conversion to Inches](#)
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[Wheel Terminology](#)
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[Truck Tire Info](#)
[Tires - What Hits What Fits](#)

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[Mud Terrain MT Tire Reviews](#)

[All Terrain AT Tire Reviews](#)

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- [Engines](#)
- [Transmissions](#)
- [Transfercases](#)
- [Axles](#)
- [Engine Swaps](#)

Installing
23,000 Volt
Offroad Lights



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[What are HID Lights?](#)

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Converting a York
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to Pump Air



Warn 9500i
Winch
Installation



Warn X8000i
Winch Installation

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Review



Sycamore	Fair	Medium	Medium	Easy	Medium	No	18.5
Gum	Fair	Medium	Medium	Easy	Medium	No	18.1
Mesquite	Good	High	Medium	Easy	Medium	No	
Aspen	Fair	Low	Easy	Hard	Medium	No	14.5
Basswood	Fair	Low	Easy	Hard	Medium	No	12.6
Cottonwood	Fair	Low	Easy	Hard	Medium	No	12.2
Chestnut	Poor	Low	Easy	Hard	Medium	Yes	
Yellow Poplar	Poor	Low	Easy	Hard	Medium	Yes	16.0
Southern Yellow Pine	Good	High	Easy	Hard	Heavy	Yes	
Douglas Fir	Good	High	Easy	Hard	Heavy	Yes	21.4
Cypress	Fair	Medium	Medium	Hard	Medium	No	
Redwood	Fair	Medium	Medium	Hard	Medium	No	
White Cedar	Good	Medium	Easy	Hard	Medium	Yes	17.5
Western Red Cedar	Good	Medium	Easy	Hard	Medium	Yes	17.5
Eastern Red Cedar	Good	Medium	Easy	Hard	Medium	Yes	17.5
Juniper	Good	Medium	Easy	Hard	Medium	Yes	
Piñon	Good	Medium	Easy	Hard	Medium	Yes	
Eastern White Pine	Fair	Low	Medium	Hard	Medium	No	15.8
Western White Pine	Fair	Low	Medium	Hard	Medium	No	15.8
Sugar Pine	Fair	Low	Medium	Hard	Medium	No	15.8
Ponderosa Pine	Fair	Low	Medium	Hard	Medium	No	17.0
True Firs	Fair	Low	Medium	Hard	Medium	No	19.5
Tamarack	Fair	Medium	Easy	Hard	Medium	Yes	20.8
Larch	Fair	Medium	Easy	Hard	Medium	Yes	20.8
Spruce	Poor	Low	Easy	Hard	Medium	Yes	15.9
Alder	Fair	Medium	Fair	Hard	Medium	Yes	17.6
Apple	Fair	Medium	Hard	Easy	Medium	Few	17.6
Ironwood (Hornbeam)	Excellent	Very High	Hard	Easy	Light	Few	24.7
Black Locust	Excellent	Very High	Hard	Easy	Light	No	26.5
Madrone	Excellent	High	Hard	Easy	Light	No	30.0
Willow	Fair	Low	Hard	Hard	Fair	Fair	14.5

Firewood vs. Oil or Natural Gas

Wood Heat Yield	Amount of Wood	BTU Production	Oil Equivalent	Natural Gas Equivalent
High or Very high	1 cord	21,000,000 - 24,000,000 BTU	200-250 gal. of fuel oil	250-300 cu. ft. of natural gas

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[Cooper Discoverer ST](#)
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[Cooper Discoverer ST/C](#)
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[Firestone Destination MT](#)
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[General Grabber AT2](#)
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[Dick Cepek Fun Country Nylon](#)
[Dick Cepek Fun Country Kevlar](#)
[Mastercraft Courser MT](#)
[Mastercraft Courser HTR](#)
[Mastercraft Courser HTR Plus](#)
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[Maxxis MA-751 Bravo](#)
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[Maxxis MT-762 BigHorn](#)
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[Nitto Dura Grappler](#)
[Nitto Dune Grappler](#)
[Nokian Vatiiva MT](#)
[Pit Bull Rocker Extreme](#)
[Pit Bull Maddog](#)
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Wheeling in the Valley of the Ferns



Tellico North Carolina



Paragon Adventure Park
◦ **Rock Krawl** ◦

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Medium	1 cord	17,000,000 - 20,000,000 BTU	150-200 gal. of fuel oil	200-250 cu. ft. of natural gas
Low	1 cord	12,000,000-17,000,000 BTU	100-150 gal. of fuel oil	200-250 cu. ft. of natural gas

Firewood Measurements - 1 cord measures 8 feet long, 4 feet high and 4 feet wide or 128 cubic feet

Think about the cost of 1 cord of firewood vs. the cost of fuel oil or the cu. ft. of natural gas at today's prices. Firewood cost is usually more stable than the cost of gas and fuel oils. Supplementing your heating costs with wood burning will typically provide huge savings on your heating bill. Additionally in the event of power outages, heating with wood, especially from a wood burning stove located within the room will provide heat with no electrical power.

Burning Tips

- For firewood, use dry hardwood such as oak, cherry, hickory, maple. Split logs into pieces about 4 inches on each side. Ideally allow it to dry for about one year before use.
- To get a fire going use just enough softwood for kindling. Stack a few pieces of kindling below your hardwoods. Do not burn pine exclusively for firewood as pine quickly builds up creosote in your chimney, setting up conditions for a chimney fire.
- Don't burn plastics or paper with color printing, such as junk mail, flyers, comics, magazines, gift wrap, etc. because they may give off toxic fumes.
- Absolutely NEVER use flammable liquids in your fireplace or wood burning stove.



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[Nitto Dura Grappler](#)
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[Mud Tire Reviews](#)
[Product Reviews](#)
[Tire Reviews](#)

ATV Tire Index

[Carlisle 489 Titan](#)
[Dunlop Quadmax](#)
[Dunlop Quadmax Sport](#)
[Quadmax Sport Development](#)
[Highlifter Outlaw](#)
[ITP Holeshot](#)
[ITP Holeshot MX](#)
[ITP Holeshot ATR](#)
[ITP Holeshot XC](#)
[ITP Holeshot XCR](#)
[ITP Holeshot MXR](#)
[ITP Holeshot XCT](#)
[ITP Mud Lite](#)
[ITP Mud Lite XTR](#)
[ITP Sandstar](#)
[Kenda K538 Executioner](#)
[Tubeless Bearclaw K299](#)
[Kenda Klaw K532](#)
[Kenda Klaw K533](#)
[Kenda K534 Sand Gecko](#)
[Maxxis M961/M962 Mud Bug](#)
[Maxxis Rooster Paddle Tire](#)
[Maxxis M917/M918 Bighorn](#)
[Maxxis M966 Mudzilla](#)
[Super Swamper TSL ATV](#)
[Super Swamper TSL](#)
[Vampire](#)
[Super Swamper Vampire](#)
[EDL](#)
[Swamp Lite ATV Tires](#)

[ATV Tire FAQs](#)
[ATV Tire Mounting](#)
[ATV / Quad Links](#)

[Quad Tire Reviews](#)
[Index](#)



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- [Capacities](#)
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[of material](#)

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[Pressure - Fixing a](#)
[smashed fingernail](#)

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[alternative to](#)
[undercoating](#)

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Skid-Plate
protection for the Oil
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bucks!](#)



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- [All Terrain Reviews](#)
- [LT Tire Reviews](#)
- [Winch Reviews](#)
- [ATV Tire Reviews](#)

Offroad Tires

- [AT MT Guide](#)
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- [AT Tire Info](#)
- [Tire Size Guide](#)
- [Tire Tech](#)
- [Most Popular](#)
- [Least Popular](#)

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- [PA Destinations](#)
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