

# **EPA Burn Wise Program: Products and Partnerships**

Ellen Wildermann Wood Smoke Workshop March 6, 2018





### What is Burn Wise?

- Voluntary Education Partnership Program
- Key Message: Learn Before You Burn Burn the right wood, the right way, in the right appliance
- Goal:
  - educate users on how to properly use their wood burning
  - promote upgrades to cleaner burning technologies





## **Burn Wise Education Program**

Target audience

Current and future owners of wood burning appliances

- Fireplaces
- Wood Stoves
- Hydronic Heaters/Outdoor Wood Boilers
- Forced Air Furnaces
- Outdoor fire-pits/chimeneas (limited)





## What Burn Wise Materials are Available?

- Tip Sheet
- Posters
- Brochures
- Postcard
- Tear Pads
- Wood Shed Construction Plans
- Videos

<sup>\*</sup> Free hard copies are currently available for most tools







### Learn Before You Burn Poster

#### **Overview**

- Poster encourages wood burners to "Burn the right wood, the right way, in the right appliance" and outlines 3 benefits and a call to action
  - Available in English
  - Size: 17" X 11"



https://www.epa.gov/burnwise/burn-wise-posters





## **Burn the Right Wood Tear Sheet**

#### **Overview**

- Same message as "Learn Before You Burn" poster
- Quick tips for homeowners
  - Developed in partnership with the Chimney Safety Institute of America and National Fireplace Institute
  - Available in English
  - Size: 3 1/2" X 8 1/2"



https://www.epa.gov/burnwise/burnwise-other-materials

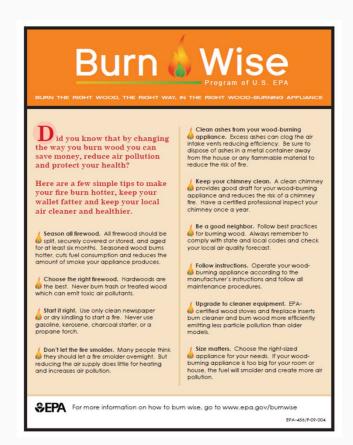




## **Burn Wise Tip Sheet**

#### **Overview**

- Basic tips for starting a fire, seasoning wood, proper operation and maintenance of wood stove, and upgrading to a cleaner burning appliance
  - Available in Spanish (online) and English
  - Size: 8 1/2" X 11"



https://www.epa.gov/burnwise/tip-sheets

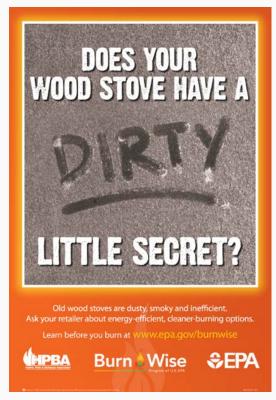




## Your Old Wood Stove's Dirty Little Secret Poster

#### **Overview**

- Poster focuses attention to the issue of old stoves
- Ideally the similar brochure would accompany this poster
- Explains why it is important to upgrade to a new stove
  - Available in English
  - Size: 17" X 11"



https://www.epa.gov/burnwise/burn-wise-posters





## Your Old Wood Stove's Dirty Little Secret Brochure

#### **Overview**

- Spells out the benefits of replacing an uncertified wood stove with a cleaner burning option like an EPA-certified wood stove
  - Available in Spanish (online) and English
  - Size: 8 1/2" X 11"



https://www.epa.gov/burnwise/burn-wise-brochures





### Wet Wood Is A Waste Brochure

#### **Overview**

- Provides four simple steps to properly dry firewood
  - Available in Spanish (online) and English
  - Size: 8 1/2" X 11"



https://www.epa.gov/burnwise/burn-wise-brochures





## Don't Let Your Investment Go Up in Smoke Tear Sheet

#### **Overview**

- Tear sheet has a similar message to our "Wet Wood is a Waste" brochure
  - Developed in partnership with the United States Forest Service for fire wood permit holders
  - Available in English
  - Size: 3 1/2" X 8 1/2"



https://www.epa.gov/burnwise/burn-wise-other-materials





## Split, Stack, Cover and Store Video

#### **Overview**

- Demonstrates four simple steps to properly dry firewood
- Wet wood can create excessive smoke, which is wasted fuel
- The "Wet Wood is a Waste" brochure relays the same message

#### Video

http://www.youtube.com/watch?v=y o1--Zrh11s







## Build a Firewood Storage Shed - Plans and Materials List

#### **Overview**

- Provides a list of the materials, cost, photo and simple schematics for building a wood shed holding about one cord of wood
  - Available in English
  - Size: 8 1/2" X 11"



ITEM	QTY	DESCRIPTION	UNIT COST	SUBTOTA
2"x6"x8 Treated Pine	2	Floor Frame	\$5.27	510.54
1"x4"x8 Treated Pine	13	Floor Slats, Side & Back Slats	\$4.97	564.61
2"x4"x8 Treated Pine	8.	Floor Frame, Joists, Roof Rafters	53.37	\$26.96
4" x 4" x 12" Treated Pine	3	Posts	\$13.17	\$39.51
4" x 8" x ½" CDX Plywood	3	Roof	\$15.77	\$15.77
16" x 5" Hex Lag Screws	12	Secure posts to 2"x6"& 2"x 4" Floor Frame	50.54	56.48
3" Galvanized Deck Screws	11b. Box	Secure Floor Frame, Joists & Roof Rafters	\$9.89	59.89
11/4 Galvanized Deck Screws	1th Box	Secure Floor Slats, Side & Back Slats, Roof	50.80	50.80
Liquid Roofing	1-5 Gal	Weather Protection	\$47.00	547.00
	1-5 Gal	Weather Protection Raise Woodshed off ground	\$47.00 \$6.55	0,000
Liquid Roofing 12°Deck Bolts  To view a 6 mi this firewo	inute	Raise Woodshed off ground video on how to build torage shed, go to:	P.11100	\$39.30
Liquid Roofing 12°Deck Bolts  To view a 6 mi this firewo	inute	Raise Woodshed off ground video on how to build	\$6.55	\$47.00 \$39.30 \$269.99

https://www.epa.gov/burnwise/burn-wise-other-materials

Link to video demonstrating how to build this shed: <a href="https://www.epa.gov/burnwise/burn-wise-videos">https://www.epa.gov/burnwise/burn-wise-videos</a>

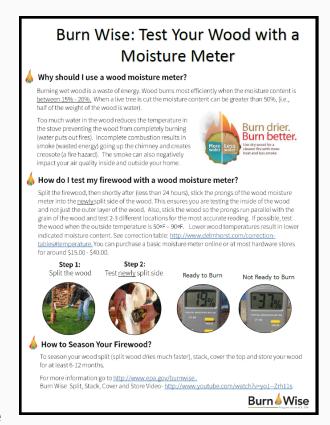




## **Test Your Wood with a Moisture Meter**

#### **Overview**

- Outlines the benefits of knowing the wood moisture content and how to properly test firewood using a moisture meter.
  - Available in English
  - Size: 8 1/2" X 11"



"How-to" Burn Wise video also available

https://www.epa.gov/burnwise/burn-wise-other-materials





## How to Use a Moisture Meter Video

#### **Overview**

#### Tips on how to properly use a moisture meter to test firewood moisture levels

 Burning dry, seasoned firewood with a moisture content of 20% or less can save money and help reduce harmful air pollution - indoors and out

#### Video

http://www.youtube.com/watch?v=j M2WGgRcnm0







## **Wood Smoke Activity Book**

#### **Overview**

- Children can read the story about best burning practices, color the pictures, and do the activities included in this activity book.
  - Available in English
  - Size: 8" X 11" or 8" X 7",16 pages



https://www.epa.gov/burnwise/wood-smoke-activity-book





### Learn Before You Burn Postcards

#### **Overview**

- Postcards are a great reminder for homeowners to schedule an annual chimney inspection
  - Developed in partnership with the Chimney Safety Institute of America (CSIA)
  - Available in English
  - Size: 6" X 4"



https://www.epa.gov/burnwise/burn-wise-other-materials





### Wood Smoke and Your Health Poster

- Covers the lung and heart impacts of wood smoke and ways to reduce it.
- Not available as poster (yet).







### **Asthma and Wood Smoke Videos**

#### **Overview**

 Highlight the health effects (e.g., asthma) related to particulate matter (PM) exposure from residential wood smoke



#### **Videos**

- Wood Smoke and Asthma: Breathe Easier http://www.youtube.com/watch?v=sJQ
  - 4IVDDA6Q
    Wood Smoke and Asthma:
- Reduce Smoke

  http://www.youtube.com/watch?v=aJX

  j9j3g7EM
- Wood Smoke and Asthma: Dry Firewood http://www.youtube.com/watch?v=Z-

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## Who is Promoting the Burn Wise Message?

- EPA Headquarters & Regions
- States, Tribes and Local Agencies
- Chimney Sweeps
- Non-profit Organizations
- Hearth, Patio, and Barbecue Association
- Hearth Retailers & Manufacturers





## Partnerships and Innovation Examples:

- Michigan Firewood Permit Program
- Washington State's Northwest Clean Air Agency "Learn Before You Burn" Poster
- Washington State's Northwest Clean Air Agency Firewood Shed Construction
- Alaska Department of Environmental Conservation: "Burn Wise, Breathe Easy"





## Michigan Dept. of Natural Resources: Firewood Collection Permit



Michigan Department of Natural Resources - Forest Resources Division

## PERSONAL USE FUELWOOD APPLICATION

Issued by authority of Part 5, 1994 PA 451, as amended. Noncompliance with the provisions of this act may result in revocation of this permit.

DNR USE ONLY PERMIT NUMBER			
GENERAL	SPECIFIC		

This form is the application for personal use fuelwood. After approval, it will be attached to a Personal Use Fuelwood Permit and Receipt (PR4166). A permit is required to remove timber and must be in your possession when removing fuelwood from State land.

APPLICANT INFORMATION			
Name of Applicant / Permittee	Mailing Address		
Telephone	City, State, ZIP		
Location of Permit Requested	MI Driver's License or MI ID Number Date of Birth		
County			
	Vehicle Information		
Township(s)	Make/Model		
Map ID:	License/State		
LIABILITY AND INDEMNIFICATION			
LIABILITY. Permittee hereby releases, waives, discharges, and co	venants not to sue the State of Michigan, its departments, officers,		









## Washington State, Columbia Valley Clean Air Committee: "Learn Before You Burn"



Poster modified to include local air quality district's logo





## Alaska Department of Environmental Conservation: Burn Wise, Breathe Easy







## WA State Northwest Clean Air Agency Supports Firewood Shed Construction and Distribution









## How to Apply the Burn Wise Messages

- Post Burn Wise logo and website link on your organization's website
- Share Burn Wise message on social media
  - Post EPA ready-made messages on Facebook and Twitter
- Make printed educational materials available at all your outreach events
- Conduct educational campaign in conjunction with all wood burning appliance replacement programs





Questions? Contact Ellen Wildermann Wildermann.ellen@epa.gov or 919-541-5408.

To order educational materials, order online at www.epa.gov/burnwise/orderform or email burnwise@epa.gov.