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How to Build a DIY Fan/Filter Air Cleaner

Breathing in particulate matter from wildfire smoke is unhealthy.

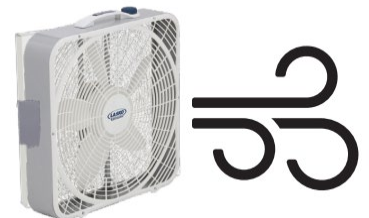
A simple box fan / filter will help you keep your indoor air clean during wildfire season.

What you'll need:

- ✓ 20-inch box fan
- ✓ 20" x 20" x 1" high high-efficiency furnace filter (MERV 13)
- ✓ Tape, bungee cord, or pre-made clips

INSTRUCTIONS

1. **Place a MERV 13 filter on back (air intake side) of fan.** Make sure that the arrow on the side of the filter is pointing towards the fan.
2. **Use duct tape, bungee cords or clips to attach the filter securely to the fan.** Tape only around the edges; do not block the airflow through the fan.
3. **Place in an area away from any obstacles and turn the fan on.** Run the fan on high for a few hours if your indoor air quality is already poor, then turn it to medium to keep it clean. Remember to replace your filter when it gets dirty!
4. **When in use, keep windows and doors closed to prevent new pollution from getting into your home.**



Learn more & prepare at
montanawildfiresmoke.org



WARNING: Older models of box fans can ignite and start a house fire. To prevent this, use a newer fan equipped with a fused plug (2012 or newer).