

1973

EC73-2029 Energy Conservation in the Home : Cooling

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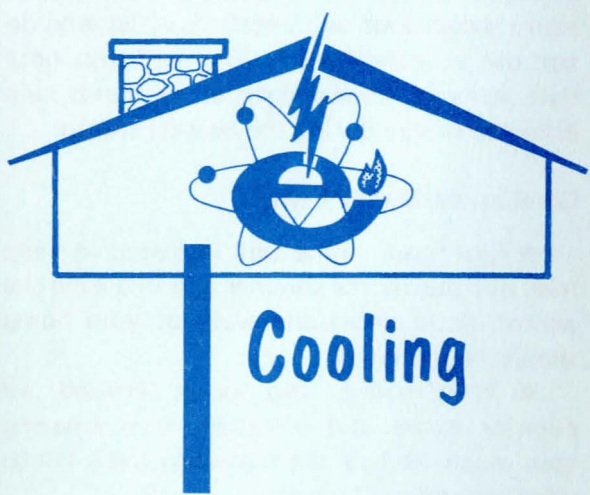
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Energy Conservation in the Home-



Extension Service
 University of Nebraska-Lincoln College of Agriculture Cooperating with the
 U. S. Department of Agriculture and the College of Home Economics
 E. F. Frolik, Dean J. L. Adams, Director

COOLING

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Heard of the energy crisis? Don't despair. You can't solve it alone--but you can do your part! Here are just a few ways you can conserve energy while cooling your home. Many suggestions will benefit families who do not use air-conditioning. You will also note that many of these suggestions will also help conserve energy during the heating season.

Combat the Energy Crisis

- Have your home well insulated to keep heat out during the summer and in during the winter. Attic floors and walls of your home should be insulated.

- Weatherstrip and caulk around all exterior doors and windows. It is amazing how much cool air can slip away. Use a fan to ventilate and cool the attic.

- Install storm windows or insulating glass windows. If the house is air-conditioned, keep the storm windows up all summer on windows not used for ventilation. The storm windows will form significant barriers to the transfer of outdoor air heat to the indoors.

- Provide shade trees to shade windows and roofs.

- Shade windows by roof overhangs, porches, balconies or other horizontal projections. Shade trees, awnings or sun screens can

also be used. This shade can reduce the transfer of heat from outside to the inside by as much as 80%. The changing angle of the sun from winter to summer makes it possible to shade sun out in the summer and let it in during the winter.

- Select central cooling systems over window units when possible. These generally provide more efficient cooling than do window units.

- Take care in selecting air-conditioners. Some are more efficient users of fuel than others. Check the efficiency ratings on window units by dividing the BTU by the wattage rating. The higher the number the more efficient the unit.

- Buy the proper size cooling unit for comfort and efficient use of fuel through less starting and stopping.

- Keep shrubbery from blocking the flow of air to the outside air-conditioning condenser.

- Avoid direct sunlight on the air-conditioner condenser outside.

- Insulate air-conditioning ducts to prevent loss of cool air through the metal.

- Place the thermostat where sun or other heat sources do not overrun the temperature. The heat from these sources will cause the air-conditioner to work harder than necessary.

- Vent the clothes dryer to the outside to reduce heat and moisture in the house.

- Use exhaust fan to remove excess moisture in the bath or kitchen. Keep the fan on for only the short time it is needed.

- Have a light color roof. It will reflect heat from the summer sun. Dark roofs absorb heat.

Appliance Use

In the summer reduce the amount of heat from inside the home by careful and limited use of heating appliances. You can:

- Turn off light bulbs, radios, TV and even phonographs when they are not in use.
- When possible, do heavy baking in the cooler time of the morning or evening.
- Use washer, dryer and iron in the cooler time of the morning and evening. This saves energy used by the air-conditioner and also avoids peak electrical load periods.
- Use small appliances as much as possible instead of your large oven. The oven may produce more heat than you need, use more energy, and put a strain on the house cooling unit.

Want to know more ways of conserving energy? Contact your County Extension Office for other energy conservation circulars.

EC 73-2025 Energy Conservation in the Home--There Is an Energy Crisis!

EC 73-2026 Energy Conservation in the Home--Kitchen

EC 73-2027 Energy Conservation in the Home--Inside the House

EC 73-2028 Energy Conservation in the Home--Building and Remodeling

EC 73-2029 Energy Conservation in the Home--Cooling

EC 73-2030 Energy Conservation in the Home--Heating

EC 73-2031 Energy Conservation in the Home--Outside the House