

## About Corn Heating

### Central Heating with Shelled Corn or Pellet Fuels

The vast majority of today's central heating systems are dependent upon natural or propane gas, oil or electricity as a fuel source. Save costly electricity, these sources of energy are all completely non-renewable. Solar and wind power are simply not up to the full task of satisfying the high demands of home heating in most climates. Recent history has seen continuous evolution in the technology of central heating systems. From primitive wood stoves and open fireplaces to central systems burning wood and coal, to oil and gas, to modern advanced systems combining solar and ground heat pumps with conventional fuels. Environmentally conscious engineering has come full circle, returning us the option of using renewable wood and organic biomass fuels with exceptional efficiency! Today, the BM991 hot water heating boiler can be easily integrated into the most advanced, sophisticated and environmentally sound HVAC plants to provide total or supplemental home heating comfort at lowest cost with the lowest of all environmental impacts. Consider these facts:

- The world's supplies of oil and gas are limited and non-renewable.
- Fossil fuel costs will continue to increase as demand increases.
- As dependence on fossil fuel energy grows, future energy crises are inevitable.
- Electricity use, either nuclear or thermo-electric, causes onerous environmental impacts.
- Importing oil, and the high costs of transporting, exploring and developing that scarce resource has many negative consequences.
- Save for natural gas, all other common fuels, including wood, produce significant, unwanted emissions.
- We must look to take advantage of alternate, clean domestic fuels that utilize renewable energy resources. Wood burning heating appliances burn a renewable resource, but they require hard work and continuous attention to stoke and regulate, and produce dangerous exhaust byproducts (creosote). Only the highest grades of dried firewood are suitable, usually old growth hardwoods or premium softwoods, which are themselves endangered. Typically, they are not very efficient, either with heat transfer, distribution or combustion efficiency (emissions). Raw log burning systems cannot provide adequate or efficient heating temperature output regulation. These considerations first lead to the introduction of residential wood pellet fired furnaces. Designed not only to meet, but to exceed by a large margin today's most stringent air quality standards, these pellet fired furnaces perform effectively and efficiently without the numerous drawbacks of typical woodburning appliances. Now, those earlier pellet fuelled central heating appliances have evolved into today's shelled corn burning furnaces and boilers which are the most efficient renewable resource burning automatic heating appliances available today. In addition to shelled corn, switchgrass or wood pellets, many surprising new types of low cost Renewable Biomass Fuels are available that will also burn with high efficiency in J & H Industries' furnaces. One such other recycled alternative fuel is low cost cherry pits! If you are thinking of upgrading or installing a new central heating system with a renewable biomass energy burning appliance, remember J&H Industries!