*Although the Jetstream will consume wood with moisture contents above 35%, the output is so low on wet wood, it is not recommended.

MOISTURE CONTENT

The impact of moisture content on combustion and output must be understood by the Jetstream operator. The Jetstream will burn most woods at a constant rate of 25 lb. of wood per hour. If wood of 50% moisture content by weight is burned, then only 12.5 lb. of dry wood equivalent per hour are available for heating.

For example, 1 lb. of wood, oven dry, has a potential 8600 BTU's of energy. At 20% moisture this same wood has available 6880 BTU's, and at 40%, 5160 BTU's, etc. The following chart illustrates these losses on a per cord basis.

	Available Heat per Cord in millions of BTU		Percent More Heat for Air-Dry Wood
Species	Green Wood	Air-Dry	
Ash	16.5	20.0	21
Aspen (poplar)	10.3	12.5	25
Beech,American	17.3	21.8	26
Birch, yellow	17.3	21.3	23
Douglas Fir	13.0	18.0	38
Elm,American	14.3	17.2	20
Hickory	20.7	24.8	19
Maple,sugar	18.4	21.3	16
Maple,red	15.0	18.8	24
Oak,red	17.9	21.3	19
Oak,white	19.2	22.7	18
Pine,white	13.1	13.3	10
Pine,yellow	14.2	20.5	44