

Using Residual Hot Coals Produced During The Boiling Phase For Cooking During The Simmer Phase

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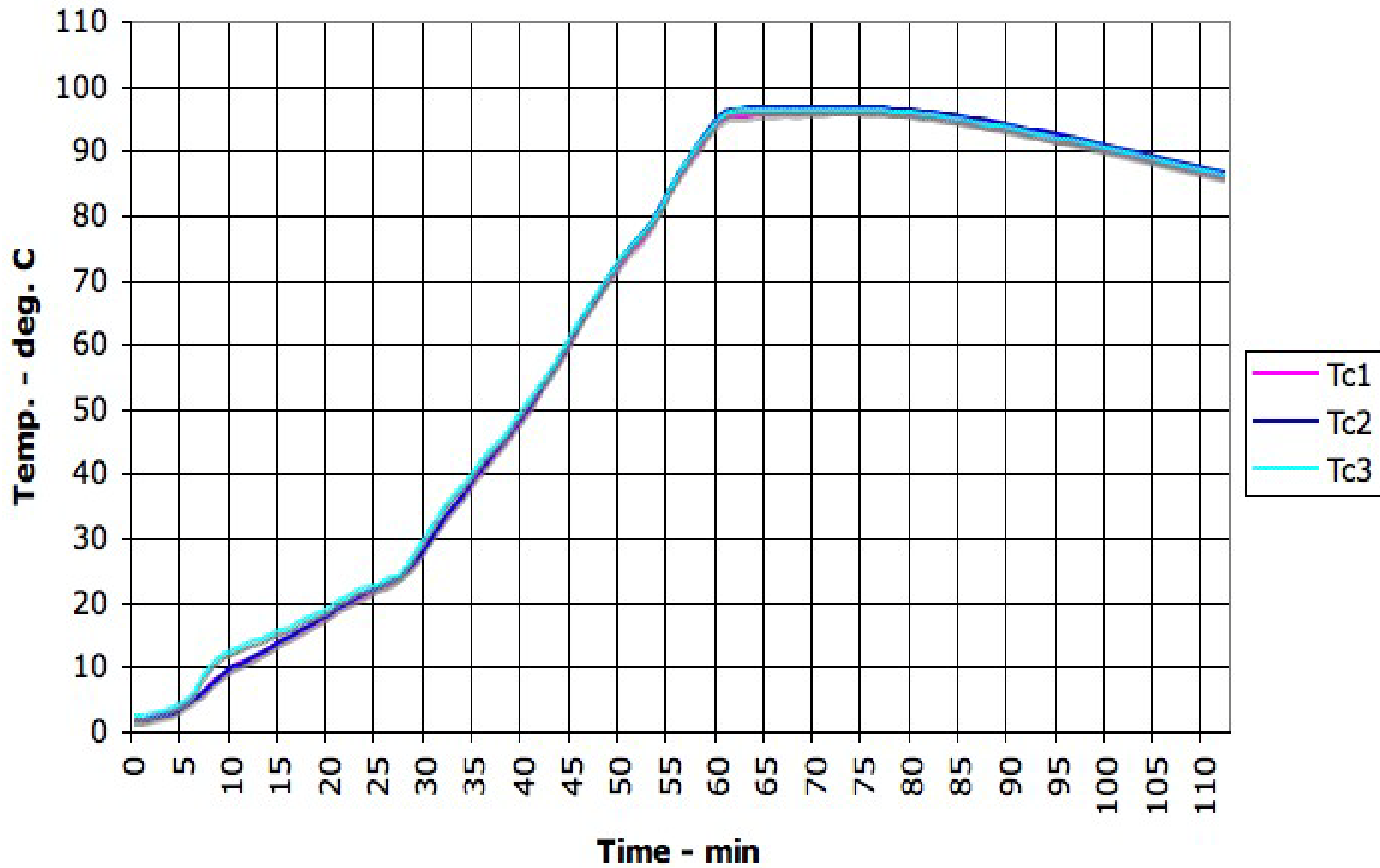
Aprovecho Research Center

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Advantages

- Saves fuel
- Simplifies the cooking procedure
- Minimizes toxic emissions

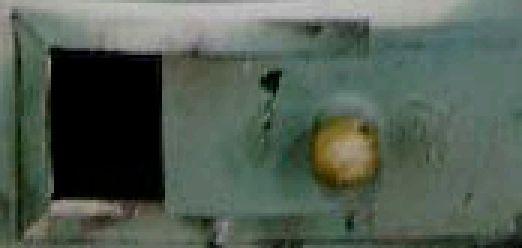
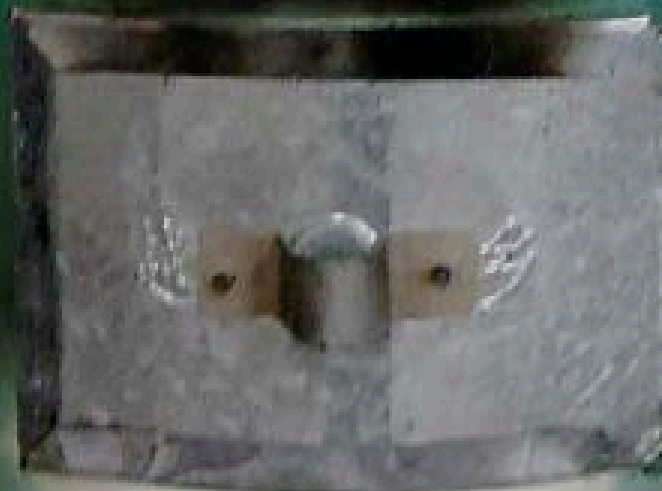
Hot Coals Simmer - Multichannel Thermocouples



Yue-Xiang[®]



Yue-Xiang





Comparison of Emissions

Emission	Hot Coals	Std. Method
CO ppm	3.7	7.1
Particulate Matter-ppm	95	165







Wood used and Simmer times

Food	Wood Used Gm	Time at Simmer min
Beans	390	45
Rice	293	25
Potatoes	373	15

Conclusions

- The hot coals simmering technique saves fuel
- The technique also simplifies cooking and saves time
- Using this technique reduces toxic emissions