FACTS ABOUT PROTECTING YOUR PLANTS AGAINST TEMPERATURE ***EXTREMES!!!***

- **Fiber pots provide good insulation against heat and cold.**

Molded fiber (cellulose) is an excellent insulator. For example, please note the relative "R-Values" for materials commonly used for pots, hanging baskets, etc.:

Type of Container & Material	*Nominal Wall Thickness*	[1] Resistance (R-Value) °F ·Foot² ·Hour/BTU	
		Per inch of thickness	*For wall thickness listed*
Molded Fiber Pot	.446"	2.643	1.178
Wood Container (Cedar)	.75"	1.11-1.48	0.83-1.11
Plastic Pot - HDPE	.05"	0.44	0.022

[1] Data extracted from Pittsburgh Testing Laboratory, Report #823-16298 & ASHRAE Pocket Handbook, 1987 edition.

In the above example, a molded fiber container with a wall thickness of .446", would have approximately **50+ times the insulation value** than a HDPE plastic container with a wall thickness of .05", and a slightly better value than a cedar container with a wall thickness of .75".

In conclusion, since molded fiber containers are made from cellulose (an excellent insulative material with a superior R-value to HDPE and cedar) and are manufactured with a much thicker wall than most plastic containers, *they offer good insulation against heat and cold.*

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