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Effect of soil solarization on chilli wilt caused by *Fusarium oxysporum* f.sp. *Capsici*

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ABSTRACT : An experiment was conducted to study the effect of soil solarization on chilli wilt, caused by *Fusarium oxysporum* f.sp. *capsici*. Transparent polythene sheets covered plots with different combination of irrigation and ploughing treatment for up to 4 weeks maintaining appropriate controls. It was observed that soil temperature at different soil depth *i.e.* 5 to 15 cm varied widely among different treatment and especially in the irrigated ploughed combination it had a maximum average of 51.0^{0}C compared to 39.8^{0}C in control. Soil population of *Foc* in irrigated ploughed treatment was reduced to non detectable levels.

Key **W**ords : Soil solarization, Chilli wilt, *Fusarium oxysporum* f.sp. *Capsici*

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