

EFFECT OF CARBON DIOXIDE ON
Prostephanus truncatus (Horn)

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Prostephanus truncatus (Horn) was exposed to CO₂ concentrations of 40%, 60%, 90% in air at 30±2°C and 60±3% R.H. Eggs, larvae, pupae and adults showed different levels susceptibility. The 40% and 60% CO₂ atmospheres produced different results, while no difference was found between the 60% and 80% concentrations. A 95% of death-rate is obtained with 60% CO₂ after 3 days exposure of eggs and within 4 days exposure of first instar larvae, while third instar larvae needed 7 days exposure. Last instar larvae are most tolerant while eggs and adults are more susceptible.