

The age when cows first have a heat period is 8 to 20 months. Insufficient or inaccurate estrus detection leads to delayed insemination, reduced conception rates, and thus extended calving intervals (Mebratu et al., 2020). Where AI is being used, estrus detection is the most important limiting factor for optimum reproductive performance. The best time to look at animals to see if they are in heat is early in the morning or in the evening (Hadgu et al., 2020).