

Impact of Human on Prey of Birds in North West Rajasthan

Authors : Dau Lal Bohra, Sradha Vyas

Abstract : Bird species are already showing climate-related changes in the dates they migrate and breed, and in the timing of other key life-history events. Treats of feeding managements raptors have performed important ecological, traditional and aesthetic functions throughout the Indian subcontinent. The declines in India result from elevated adult and juvenile mortality, and low breeding success. The widespread and rapid pattern of declines, i.e. in all areas irrespective of habitat or protection status suggest that persecution through shooting or poisoning, whilst important at a local scale, are unlikely to have caused the declines. A mass killing of several species of vultures in the Indian subcontinent over the last two decades is largely blamed on the presence of a drug. Veterinary diclofenac caused an unprecedented decline in South Asia's Gyps vulture populations, with some species declining by more than 97% between 1992 and 2007. Veterinary diclofenac causes renal failure in vultures, and killed tens of millions of such birds in the Indian sub-continent. The drug was finally banned there for veterinary purposes in 2006. This drug is now 'a global problem' threatening many vulnerable birds of prey. Recently, steppe eagles are also susceptible to veterinary diclofenac, effectively increasing the potential threat level, and the risks for European biodiversity. Steppe eagles are closely related with golden eagles (*Aquila chrysaetus*), imperial eagles (*Aquila heliaca*) and Spanish imperial eagles (*Aquila adalberti*), and all these species scavenge opportunistically on carcasses throughout their range. The Spanish imperial eagle, considered Vulnerable at global level, is now particularly at risk, due to the availability of diclofenac in Spain. These findings strengthen the case for banning veterinary diclofenac across. From year 2011 to 2014 more than 300 hundred birds dead in jorbeer, Bikaner. Now, with unequivocal evidence that this veterinary drug can cause a much wider impact on Europe's biodiversity, it is time for action - please ban diclofenac human brand also in multi-dose vial from market.

Keywords : mortality, prey of birds, diclofenac, Rajasthan