Does the Vulnerable sun bear *Helarctos malayanus* damage crops and threaten people in oil palm plantations?

ROSHAN GUHARAJAN, NICOLA K. ABRAM, MOHD AZZUMAR MAGGUNA, BENOÎT GOOSSENS SIEW TE WONG, SENTHILVEL K. S. S. NATHAN and DAVID L. GARSHELIS

TABLE S1 Mean destructiveness of mammal species ranked by respondents (n = 104) from oil palm plantations in the lower Kinabatangan, Sabah, Malaysian Borneo (Fig. 1), with the total number of records and the number of records in which respondents were able to rank the species.

Species	Mean ± SD destructiveness rank ¹	Total no. of records	No. of ranked records ²
Muntjac Muntiacus spp.	0.00 ± 0.00	2	2
Civet Viverra tangalunga, Paradoxurus hermaphroditus	0.25 ± 0.50	4	4
Sun bear Helarctos malayanus	0.33 ± 0.58	5	3
Bornean orang-utan Pongo pygmaeus	0.40 ± 0.51	16	15
Macaque Macaca spp.	0.60 ± 0.49	117	105
Bearded pig Sus barbatus	0.68 ± 0.47	73	63
Porcupine <i>Hystrix</i> spp.	0.71 ± 0.47	20	17
Bornean elephant <i>Elephas maximus</i> borneensis	0.80 ± 0.41	55	44

¹Ranks: 0, not destructive; 1, destructive.

²This number was used in the calculation of the mean destructiveness rank.

SUPPLEMENTARY MATERIAL 1 Questionnaire used to interview oil palm plantation workers and farmers in the lower Kinabatangan floodplain region, Sabah, Malaysian Borneo (Fig. 1).

Oil Palm Plantation Farmer/Worker Interview Sheet					
Plantation information	On I ann I lana	tion i armor, wor	Ref Interview Blicet		
Owner					
Size					
Location					
Palm ages					
Condition (Sparse/Dense understorey)					
Respondent information					
Age					
Ethnicity					
Religion					
Occupation					
Time working in plantation	< 1 year 1-5 years	6-10 years > 1	0 years		
Time in Sabah	< 1 year 1-5 years	6-10 years > 1	0 years		
Species	0 = Rare 1 = Common 2 = Very common	0 = Morning 1= Noon 2 = Evening 3 = Night	0 = Within planted area 1 = Plantation–forest border	Encountered during specific weather season? 0 = Unsure 1 = No 2 = Rain 3 = Dry	Encountered during forest fruiting season? 0 = Unsure 1 = No 2 = Yes (which month?)
		3			

Species (Feeding)	0 = Palm fruits 1 = Palm shoots 2 = Other crops (record in notes)	If fruits, 0 = Loose fruits 1= Fruit bunches 2 = Fruits on palm	How do you know? 0 = Seen 1 = Sign 2 = Heard from others	0 = Not destructive 1 = Destructive	Notes

	Attacked/threatened people?	No of times? $0 = 3$ or	How dangerous? 0 = Least	Reaction? 0 = None/Retreat	
Species (Feared)	0 = No 1 = Yes	fewer 1 = 4 or more	1 = Dangerous 2 = Extremely	1 = Chase away 2 = Catch/trap 3 = Kill	Notes
	Sur	n bear-focused qu	estions		
Encountered in this plantation? $0 = No$ $1 = Yes$	If yes, 0 = Seen personally 1 = Heard from someone	How often? 0 = Rare 1 = Common 2 = Very common	What was the bear doing?	Encountered during specific weather season? 0 = Unsure 1 = No 2 = Rain 3 = Dry	Encountered during forest fruiting season? 0 = Unsure 1 = No 2 = Yes (which

					month?)
Distance from forest? 0 = In forest/forest edge 1 = < 2 km $2 = \ge 3 \text{ km}$	Feeds on oil palm fruit? 0 = No 1 = Yes	0 = Loose fruits 1 = Fruit bunches 2 = Fruits on palm	How do you know? 0 = Seen 1 = Found sign 2 = Heard from others	Destructive? 0 = No 1 = Yes	Reaction? 0 = None 1 = Retreat 2 = Chase away
Attacked/threatened people? 0 = No 1 = Yes	Are bears hunted/killed in oil palm plantations? $0 = No$ $1 = Yes$	How do you know? 0 = Seen 1 = Found evidence 2 = Heard from others	Is bear hunting targeted (1) or opportunistic (2)?	Hunted for specific body parts (1, record parts in notes), to protect crops (2), or in self-defense (3)?	What happens to the body parts? 0 = Subsistence 1 = Sold (record information in notes)
Notes					
What is your opinion on bears?					

Should people be given the chance to hunt/keep wildlife? $0 = \text{No}$, $1 = \text{Yes}$	Which species?	
Should wildlife be protected? 0 = No, 1 = Yes	Which species?	