Figure 1 Seasonal Feeding Guidelines of Asiatic Black Bears (Ursus thibetanus) © Else Poulsen

Season	Behavior Notes	Diet & Presentation Notes	Calendar of Diet Adjustment					
		Category	Items	Ratios		Date Range ¹		
				With chow	Without Chow			
FALL	Asiatic black bears move into period of	Chow	Omnivore chow or bear diet or without ²	≤ 30%	0	August -		
	hyperphagia. Will be voracious eaters, as they	Meat	Fish	= 15%	= 21%	November		
	put on weight to get them through denning in		Meat	= 10%	= 14%			
	the coming winter and the post-denning	Vegetation	Fruit and Vegetable Materials [nuts, berries, fruits,	= 45%	= 65%			
	wander in the ensuing spring. Fish, berries,		leafy greens, browse, root vegetables]					
	fruits, and nuts are a large part of the Asiatic							
	black bear diet.							
	Asiatic black bears move into period of	Chow	Omnivore chow or bear diet	≤ 30%	0	October -		
	metabolic depression characterized by a	Meat	Fish	= 15%	= 21%	November		
	marked decrease in appetite, decrease in		Meat	= 10%	= 14%			
	activity level, bears repeatedly move on and	Vegetation	Fruit and Vegetable Materials [nuts, berries, fruits,	= 45%	= 65%			
	off feeding grounds to investigate possible		leafy greens, browse, root vegetables]					
	den sites and to nest build.							
Fall			es mimicking feeding strategies and choice of nesting					
Enrichment	should be available, either by giving the bear the ability to dig dens in their enclosure, or giving them access to their indoor winter denning							
	bedrooms, and enough fresh bedding material to make up their winter nests, on average 1.5 bales of straw-type vegetation per bear is suit							
	winter denning							
WINTER	During the onset of metabolic depression the	Chow	Omnivore chow or bear diet	100%	0	October -		
	bears' appetites begin to decrease. Also they		Whole foods – single pile ex. nuts	0	100%	March		
	come and go from feeding grounds and begin	Water	Fresh water source					
	to investigate possible winter denning sites.							
	They become interested in nest building. Since							
	a human cannot gauge if each bear has							
	received enough nutrients and calories during							
	hyperphagia there must always be one or							
	several piles of chow or whole foods available							
	to the bears throughout denning. And there							

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	must always be a source of fresh water						
	available to them. Food variability tends to						
	interfere with denning as bears will get up for						
	treats therefore a selection of foods is not						
	offered. The objective of the single piled chow						
	or whole food such a nuts is only to provide						
	those bears that were not able to compete						
	with con-specifics to gain nutrients and weight						
	according to need.						
Winter	-	nust cease as th	ney directly interfere with denning. Giving the bear the prop	er conditi	ons for effe	ective denning	
Enrichment	is the enrichment. Bears are not to be sought-out for programs or called for keeper interaction. They are too be left alone to den.						
SPRING	In the wild bears get up in the spring when the	Chow	Omnivore chow or bear diet	≤ 30%	0	March - May	
	weather warms up a bit and the snow and ice are	Meat	Fish	= 15%	= 21%		
	melting. At this time there is still no new food		Meat	= 15%	= 21%		
	available to them in the wild, so they root around	Vegetation	Fruit and Vegetable Materials [nuts, dried fruits, browse	= 40%	= 58%		
	and find overwintered food sources like old berries		with fresh spring growth, root vegetables]				
	and fruits, tender shoots and branches. Food is still						
	scarce in the spring so the wild bear(s) caloric						
	intake is not high. When bears come out of						
	denning they therefore still rely on their food						
	stores to get through the spring. The captive bear						
	must not come out winter denning bone thin and						
	must still have fat reserves on him. Zoos often						
	make the mistake of immediately offering their						
	newly risen bears a full diet with lots of calories						
	which should actually be fed during the late						
	summer and fall. It's at this time that captive bears						
	become fat, because they are now given additional foods to store on top of the previous fall's fat						
	reserves. The captive black bear diet can include						
	more meat proteins at this time of year.						
Spring	In the spring bears will need intensive enrichment w	l hich includes m	l imicking wild feeding strategies				
Enrichment	in the spring bears will need intensive emicriment wi	incii inciddes in	innexing who recalling strategies.				
SUMMER	The caregiver should be increasing the food	Chow	Omnivore chow or bear diet	≤ 30%	0	June -	
SUIVIIVIER	variability as the summer passes mimicking the	Meat	Fish	≥ 30% = 9%	= 12%	August	
	foods appearance in the wild as it grows. Therefore	ivicat	Meat	= 7%	= 10%	August	
L	Toous appearance in the wild as it grows. Therefore	1	ivicat	- //0	- 10/0		

	fruits and berries should become abundant	Vegetation	Fruit and Vegetable Materials [browse, leafy greens,	= 54%	= 78%	
	midsummer in the captive diet. Tree branches and		fruits, root vegetables]			
	grasses, sedges, and clover should always make up	Insects	Rotting logs with insects, meal worms, wax moth larvae			
	part of the bears summer diet		etc.			
Summer	In the summer bear(s) will need intensive enrichment mimicking their normal feeding strategies and choice of day-bedding sites.					
Enrichment						

Notes

1. Date Range – The date range is a guideline only. http://www.iucnredlist.org/details/22824/0, Shimoruru 2012 The increase or decrease in diet must be responsive to the bears' appetite changes. Thus, during hyperphagia – if bears eat all of the foods offered continue to increase the daily ration by significant amounts. The only way to gauge if the bears are sated is if there is food left over. During the onset of metabolic depression, when the bears slow down, food is only decreased according to the bears' decreased appetites. There must always be foods leftover in both scenarios.