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FEEDING HABIT OF SILVER PHEASANT (Lophura nycthemera)

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ABSTRACT: The silver pheasant belongs to a family "Phasianidae", order "Galliformes". Thefeeding behaviour silver pheasant was studied for a period of twelve month duration. The of silverpheasantsareomnivorousbirds. Theirfoodhabitsdependuponthesize & shapeof their beaks & claws. Thebirds were provided with laboratory balanced diet with asset of protein content which contains wheat, soyabean, rice polish, groundnut cake, seeds, grains seeds, grains, meat meal, vitamins, minerals, grits etc. Each pheasant feeds about 100 to 150 gms. of food daily. Percentage of feeding is high during the morning time than the evening time. It was found that the diet of pheasants were more in winter seasons. Maximum feeding was recorded in the month of November and February: where as minimum feeding was recordedinJune.Inpheasantsadequatefoodsupplyreflectsincreaseinbodyweight, increased reproductive capacity and better survival.

KEYWORDS:-Feeding behaviour, silverpheasant.

I. INTRODUCTION

Pheasants belong to a family Phasianidae Order 'Galliformes'. The western countries are having a very sophisticated poultry industry and careful research has resulted in balanced feeds of known protein, fibre & oil content which can be relied upon pheasantbreeders over the past decade or more have found that in particular the feeds produced for turkeys provide almostall the basic requirements for mostpheasant species.

The feeding of pheasant has undergone redical change in the last two decades, and properly balanced in pellet form are available in both Europe and America. In the absence of pellets produced specially for pheasant it is perfectly safe to use turkey breeders pellets manufactured by any of the large and reputable feeding stuff firm.

A female only with sufficient amount of food for its daily needs cannot start itsbreeding. They scratch the groundwith theirsharp claws to getseeds and insects to eat them.

Their food habits depend upon the size of shape of their beak and claws. Habit of searching food or grasping food of birds, is almost unknown. A blackbird was seen to dig soil for search of food with one foot, then with the other and on other hand a Reef Heron (Demiegretta Schistacea) was observed to use right foot more of ten the left. The most of the Nutcracker (Nucifraga caryocatactes) which largely relies. For all bird species, their feeding habitshavebeendeclaredaspositiveandnegative. Thepositivefeedinghabitswhenthey feed on carrion, insects, rodent, reptiles, mollusca and other invertebrates. On other hand, the negative feeding habit appears when they attack on human foods, although some foods are favored over others and individuals crows may have individual preference (Hothem *et al.*, 1988). From economic point of view, crows and sparrows can be categorized as useful and harmful birds. (El-Danasory 2006; Srivastava, 1977).

II. MATERIALS AND METHOD

- (I) Study Area: Feeding behavior of silverpheasant (Lophura-nycthemera)was studied monthly for a period of one year at Zoological garden, Kanpur (U.P.) India. The birds were kept in 100 Sq. feet wire net cages.
- (II) Study Methods: During the course of study birds were provided with food (containing ingredients like maize, wheat, soyabean, grain, groundnut cake, rice polishing, meat meal, lettuce, salt, minerals & vitamins.) and water ad-libitum. Grit or limestone was available to the birds at all time. Sea table IA. For feeding behaviour one pair of male & female bird were observed regularly in captivity. About 200 gm of food were given to them daily.

Observations :-Pheasants are omnivorous bird which feed upon different type of grains, seeds, in florescence grapes, a wise variety of plant and animal food, meat meal, Greenleaf, vegetable, insect, grits. Wheat was found to beagood staple diet of pheasant. Daily observation reveals thatone pair of pheasant feeds about 100to 150 gm. of food daily. Corn was the most important diet of pheasant during Jan., Feb. & March. Percentage of feeding is high

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during the morning time than the evening time. It was found that the diet of pheasant were more in winter seasons. MaximumfeedingwasrecordedinthemonthofNovemberandFebruary,whereas minimum feeding was observed

in June. See table 2.A, Test Fig : 1.1.

It has been also observed that bird feed on their own faeces.

Table1A:PercentageofIngredientsofmealin100kg.

Ingredient	100kg.
Maize	17.00kg.
Wheat	17.500kg.
Soyabean	20.00kg.
Groundnutcake	10.00kg.
Ricepolishing	10.00kg.
Meatmeal	7.00kg.
Limestone	.40kg.
Salt	.22kg.
Minerals-Vitamins(Concitone&Concimin)	.38kg.
Gram	17.00kg.
Palak	.500gm.

Table2A:Monthly-wise

Average of the Annual Feeding of one pair of silverpheasant(LaboratoryFeeding)

Months	Averagefeeding
September	125.95
October	132.25
November	150.16
December	144.41
January	134.45
February	150.17
March	148.29
April	143.16
May	114.25
June	108.16
July	110.93
August	110.70

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Discussion

The feeding behavior of different large land bird was studied by different workers like Barnese (1981) on number of birds, Rowley, et al., (1989) on Cockatoos. It has been suggested that birds foraging on predictable resources postpone their feeding until late in the dayas atradeoffbetweenstarvationandpredation(Olssonetal.2002).Tielemanand Williams studiedon effects of foodsupplementon behaviourof hoopoe-larks in (2002)

The feeding behaviours of different species of pheasant was studied by differentworkerslikeBeer(1989),Pyke(1989),Moreby(1993),Green(1983),Hill(1985),Hiron (1983),Ohlsson(2001),Craig andRamos(1986).

The effect of feeding on body condition of captive-reared ring-necked pheasants were studiedbyDroycott,*etal.*,in 1998.Draycott,*etal.*,(1997)provide availability of weed seeds and waste cereals to birds on arable fields during spring.

Theeffects of fluctuating food availability on breeding. Arctic terns (sterna- paradisaea) was reported by suddaby and ratcliffe in 1997. Wise (1994) made great study on weight, carcase composition and reproductive performance of pheasants (Phasianus-coichicus). Wheatwas eaten chiefly in March, at spring wheat sowing time. Animal Matter was mostly insects, which formed over 6% of food of the year.

They were going to eat less as it gets hotter, and when the temperature starts to drop, their eating habits will change again and they will feeding more. Halata & Grim worked on sensory nerve in skin of quail.

Feeding pheasants is a science. Making sure you are offering your birds the correct protein percentage will help you to raise the highest quality pheasants and remember an abundant supply offreshwater is anextremely important component of any gamebirds diet.

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