



高黎贡山赧亢白眉长臂猿 (*Hoolock hoolock*) 春秋季食物资源可利用性与取食

吴建普¹, 周伟¹, 罗红², 邓忠坚¹, 李家鸿³, 艾怀森³

1. 西南林业大学 云南省森林灾害预警与控制重点实验室, 云南 昆明 650224;
2. 中国科学院 西双版纳热带植物园, 云南 昆明 650223;
3. 高黎贡山国家级自然保护区 保山管理局, 云南 保山 678000

Feeding and food resource availability of Hoolock Gibbon (*Hoolock hoolock*) at Nankang, Mt. Gaoligong in spring and autumn

WU Jian-pu¹, ZHOU Wei¹, LUO Hong², DENG Zhong-jian¹, LI Jia-hong³, AI Huai-sen³

1. Key Laboratory of Forest Disaster Warning and Control in Yunnan, Southwest Forestry University, Kunming 650224, China;
2. Xishuangbanna Tropical Botanical Garden, Chinese Academy of Sciences, Kunming 650223, China;
3. Baoshan Administration, Gaoligongshan Natural Reserve, Baoshan 678000, China

- 摘要
- 参考文献
- 相关文章

全文: PDF (1192 KB) HTML (1 KB) 输出: BibTeX | EndNote (RIS) 背景资料

摘要 为了解白眉长臂猿取食与食物资源可利用性之间随季节变化的适应性,探讨食物资源可利用性与活动范围的关系,作者于2009年3~4月和10~12月在高黎贡山赧亢进行了野外调查.采用样带法调查食物资源可利用性,焦点动物取样法记录白眉长臂猿取食行为,瞬时扫描法记录其活动范围,利用ArcGIS 9.3 软件计算并显示每个栅格内的取食量和食物资源可利用性.结果表明,3~4月和10~12月白眉长臂猿每种食物资源及果实食物资源的可利用量与其取食量呈相关性.3~4月总食物资源、果实食物资源可利用性较10~12月的高,且分布也较集中,海拔1800m以下少有或无可利用食物资源.在3~4月和10~12月2个时间段,白眉长臂猿的活动范围多与总食物资源、果实食物资源可利用性分布高的区域重叠.在3~4月,活动区内、外的总食物资源及果实食物资源可利用性差异性不显著;而在10~12月,它们的差异性显著.在两时间段,白眉长臂猿均倾向选择食物资源可利用性高的区域取食,但季节间取食范围存在变化,10~12月的取食区域大于3~4月的.取食量高的区域在两个季节虽有重叠,但重叠区域较少.3~4月的食物资源可利用量与对应栅格内取食量呈显著相关,10~12月的呈微弱相关.事实表明,赧亢白眉长臂猿食物资源呈不均衡分布;食物资源可利用性影响其活动范围选择;随着季节变化,白眉长臂猿取食与食物资源可利用性相适应.

关键词: 白眉长臂猿 食物可利用性 取食 活动范围 高黎贡山

Abstract: To understand the adaptation between feeding and food resources availability of Hoolock gibbon (*Hoolock hoolock*) by season changes and discuss the relationship between food resources availability and home range, field investigation was conducted at Nankang, Mt. Gaoligong from March to April and October to December in 2009. The food resources availability was surveyed by the line transect method, the feeding behavior was recorded by the focal animal sampling method and the home range was recorded by the scanning samples method. The food resources availability and feeding amount in the grid were calculated and displayed by ArcGIS 9.3. The results showed that the availability of food resources and fruit food resources of Hoolock gibbon were correlated with feeding amount at Nankang from March to April and October to December. The availability of total food resources and fruit food resources was higher and also the distribution was more concentrated in March to April than October to December, and there was just a little or even no food resources under 1800m. The home range of Hoolock gibbon overlapped the areas with higher availability of total food resources and fruit food resources during the two periods. The total food resources and fruit food resources availability inside and outside the home range made no difference from March to April, but was significant different from October to December. Hoolock gibbon tended to feed in the region with high food resource availability in the two periods. However, the feeding areas changed by seasons and the area from Oct to Dec was larger than from Mar to Apr. The feeding regions partly overlapped during different seasons. Total available food resources amount was significantly correlated to the feeding amount in the grid from Mar to Apr but weakly correlated from Oct to Dec. The facts showed that the distribution of food resources of Hoolock gibbon was not uniform at Nankang. The food resources availability affected the choice of the home range of Hoolock gibbon. The feeding of Hoolock gibbon adapted to food availability by seasons.

服务

- ▶ 把本文推荐给朋友
- ▶ 加入我的书架
- ▶ 加入引用管理器
- ▶ E-mail Alert
- ▶ RSS

作者相关文章

- ▶ 吴建普
- ▶ 周伟
- ▶ 罗红
- ▶ 邓忠坚
- ▶ 李家鸿
- ▶ 艾怀森

Key words:

收稿日期: 2010-06-15;

通讯作者: 周伟(1957-),男,云南人,博士生导师,主要从事野生动物与自然保护区管理研究,E-mail:weizhouyn@163.com.

引用本文:

吴建普,周伟,罗红等. 高黎贡山赭穴白眉长臂猿 (*Hoolock hoolock*) 春秋季食物资源可利用性与取食[J]. 云南大学学报(自然科学版), 2010, 32(6): 715-723 .

\$author.xingMing_EN,\$author.xingMing_EN,\$author.xingMing_EN et al. Feeding and food resource availability of Hoolock Gibbon (*Hoolock hoolock*) at Nankang, Mt. Gaoligong in spring and autumn[J]. , 2010, 32(6): 715-723 .

没有本文参考文献

没有找到本文相关文献

版权所有 © 《云南大学学报(自然科学版)》编辑部

编辑出版: 云南大学学报编辑部 (昆明市翠湖北路2号, 650091)

电话: 0871-5033829(传真) 5031498 5031662 E-mail: yndxxb@ynu.edu.cn yndxxb@163.com