1969

Population Dynamics of Microtine Rodents

Norman C. Negus

Tulane University

Follow this and additional works at: http://repository.uwyo.edu/jhrs_reports

Recommended Citation
Available at: http://repository.uwyo.edu/jhrs_reports/vol1969/iss1/17

This Research Project Report is brought to you for free and open access by Wyoming Scholars Repository. It has been accepted for inclusion in Jackson Hole Research Station Annual Report by an authorized administrator of Wyoming Scholars Repository. For more information, please contact scholcom@uwyo.edu.
This project is designed to investigate the influences of environmental variables on microtine populations.

The year 1969 was particularly critical since Microtus populations in Wyoming are approaching a peak in their cycle. Visits to the Research Station were made in May, July and October. Data were collected on population density, reproductive activity and success, pineal gland activity and pituitary gland activity. Plant samples were taken throughout the season for extraction and bioassay of estrogenic potency. By midsummer, densities of Microtus montanus were extremely high. Reproductive success was considerably higher than that recorded for 1968.

Supported by New York Zoological Society grant.