

WEDNESDAY

OCT
02

4 PM - 5 PM

APPLE STEM NETWORK PRESENTS

SCIENCE IN OUR VALLEY



SUPPORTED BY OUR VALLEY OUR FUTURE

EVALUATING CLARK'S NUTCRACKER RELATIVE DIET VARIATION

PRESENTED BY JASMINE RUIZ

SCIENCE FACULTY, WENATCHEE VALLEY COLLEGE



Free & Open to the Public

No Registration Required

Intended for 'Science-Based' Audience

An assessment of Clark's nutcracker relative diet as it spans over years, seasons, and locations. Relative diet analysis performed through carbon-13 and nitrogen-15 stable isotopes. The Clark's nutcracker (*Nucifraga columbiana*) is in a mutualistic relationship with its obligatory partner, whitebark pine (*Pinus albicaulis*), a keystone species currently declining due to infection by white pine blister rust, attacks from mountain pine beetles, a changing fire regime, and climate change. Clark's nutcrackers are the primary seed dispersers for whitebark pine, as such, it is critical to understand their diet, movement, and caching behavior to support whitebark pine management and stability. Nutcrackers forage on and cache whitebark pine seeds, along with those of multiple other conifers, which are a critical food source during the winter season.

SERIES CAN BE ATTENDED VIRTUALLY OR IN-PERSON

IN-PERSON LOCATION: WSU TREE FRUIT RESEARCH & EXTENSION CENTER

1100 N WESTERN AVE, WENATCHEE, WA 98801

MORE INFO: WWW.APPLSTEMNETWORK.ORG/SCIENCE-IN-OUR-VALLEY