

## Air Quality during California's Stay-At-Home Period

To study the effects of California's *Stay-At-Home* order on air quality, scientists from the University of California in Irvine and Riverside are in need of plant samples from all over California.

Study goal Scientists will measure the isotopic composition of carbon in winter annual grasses to estimate fossil fuel consumption in California during the COVID-19 *Stay-At-Home* period.

Team The work will be conducted by the groups of C. Czimczik and F. Hopkins at UC Irvine & Riverside.

### How to participate

To participate in this study, please collect cheatgrass or ripgut brome (*Bromus tectorum*, *B. diandrus*) and/or wild or slender oat (*Avena fatua*, *A. barbata*) from your neighborhood.

#### 1. Collect

- 1 or 2 individual plants of a given species (ideally 1 *Bromus* and 1 *Avena*), clipped at the base.

#### 2. Record

- The name of the plant species (or your best guess)
- Date of collection
- Location of collection (latitude/longitude or nearest street address)

#### 3. Send your plants

- Mail the plants in a regular envelop (no plastic please to prevent mold) stamped with a regular first-class stamp to:

KCCAMS/ESS  
c/o C. Czimczik  
2222B Croul Hall  
University of California, Irvine  
Irvine, CA 92697-3100

***Thanks!***



Cheatgrass



Oat