

# Knapweed–2006

Population code \_\_\_\_\_ Date \_\_\_\_\_  
Collector \_\_\_\_\_

Location (country, region, district, digital camera photo number) \_\_\_\_\_

Habitat (slope or not; **type**: forest, meadow, steppe, ruderal, managed) \_\_\_\_\_

GPS coordinates, datum used \_\_\_\_\_

Elevation (from GPS or estimation) \_\_\_\_\_

Total area of population (<250m<sup>2</sup>, >250m<sup>2</sup>, >1000m<sup>2</sup>) \_\_\_\_\_

Mean distance between flowering plants \_\_\_\_\_

Species name, default is *Centarea stoebe* L. s.l. (= *C. maculosa*, *C. pseudomaculosa*, *C. biebersteinii*, *C. micrantha*, *C. paniculata*, *C. rhenana*, *C. affinis*) \_\_\_\_\_

How species was determined (collector is default) \_\_\_\_\_

Voucher (herbarium specimen number and/or digital camera photo number) \_\_\_\_\_

How many plants were sampled \_\_\_\_\_

Which particular plant corresponds with voucher \_\_\_\_\_

Most abundant species, which grow together with knapweed	
Name and/or digital camera photo number	Cover (%)

## Recommendations:

- 1) **Bold** font marks obligatory fields
- 2) Please follow the “25 km rule”: sampled populations should be at least 25 km apart (exceptions are possible).
- 3) Collect 10–20 seed heads from each of the 5–16 plants per population (we need at least 100 seeds from each plant).
- 4) Each plant should be at least 3 m apart from the next one (ignore this if the number of plants is too small). The best way of sampling is to collect one plant for each 3 m of the transect.
- 5) Separate material from each plant into different paper bags. Please store dry (!) packages in a fridge.
- 6) Put the population code (number and/or letters) from this form along with the number of particular plant to the bag envelope.
- 7) Since it is not always easy to recognize different *Centaurea* species, it is highly recommended for non-experts to identify plants either via this Internet-key ([http://uidaho.edu/~shipunov/stoebe\\_ochsmann.htm](http://uidaho.edu/~shipunov/stoebe_ochsmann.htm)) or with the help of expert(s). If it is not possible, the voucher will help in identification.
- 8) State the measuring units (feet, miles, etc.) in this form, if not using metric system.
- 9) For questions, please contact Alexey Shipunov ([shipunov@uidaho.edu](mailto:shipunov@uidaho.edu)).