

## **Lab #3: Centaurea**

## Presentation Goals

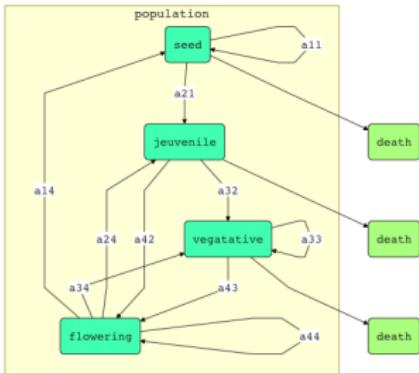
The primary goal of this presentation is to learn how to make a presentation in LaTex. I have chosen the life history of *Centaurea* as my subject because I will be working with this species during the coming term. *Centaurea* is a genus of flowering plants introduced from Europe. In its introduced range (North America), it has become a successful competitor.

Questions: Will understanding *Centaurea*'s life history help us prevent continued spread of the species? What stage of the *Centaurea* life cycle is most vulnerable to biological control?

## Stages in the Life Cycle of *Centaurea*

- seed
- juvenile
- vegetative
- flowering

# Stage-based life cycle diagram



Flow chart of potential outcomes at each stage of the centaurea life cycle.

## Data Collection:

- number that transition to next life stage

## Data Collection:

- number that transition to next life stage
- number that stayed in same stage

## Data Collection:

- number that transition to next life stage
- number that stayed in same stage
- number that reverted back to previous stage

## Data Collection:

- number that transition to next life stage
- number that stayed in same stage
- number that reverted back to previous stage
- number that died

## Data Collection:

- number that transition to next life stage
  - number that stayed in same stage
  - number that reverted back to previous stage
  - number that died
- 
- From this data, transitions from stage to stage will be calculated.

## Image with caption



Here is a picture I took of a flowering centaurea in the green house, right here on UVM's campus: *Centaurea* or knapweed

## Image with caption overlaid



*Tsuga canadensis* or Eastern  
hemlock (my favorite tree)