



GEM3

Genes by Environment
Modeling · Mechanisms · Mapping

Module Name: Milkweed Genecology and Adaptive Traits

Institution: College of Western Idaho

Principle Investigator(s): Dusty Perkins, dustyperkins@cwidi.edu

Summary:

Curriculum about phenotypic plasticity, genecology and adaptation. This module has been designed to be delivered over two lab periods.

This module has been used in CWI's General Ecology (ENVI 260L) course.

Contents:

- Photos: Lab Activities
- Guide: *Climate WNA manual*
- Guide: *Evaluating Showy Milkweed (Asclepias speciosa) ecotypic variation in adaptive traits using a genecological approach, part 1*
- Guide: *Evaluating Showy Milkweed (Asclepias speciosa) ecotypic variation in adaptive traits using a genecological approach, part 2*
- Guide: Plant character and climate variable description supplement
- Worksheet: *Evaluating Showy Milkweed (Asclepias speciosa) ecotypic variation in adaptive traits using a genecological approach*
- Instructional Resources: R-data and script

Notes:

Questions? Contact the PI or the GEM3 PUI Liaison, Stephanie Sevigny, stephanieseigny@boisestate.edu

Last Updated: 08/10/2020