**WAPS Data Resource List:**

* Plant Cover Data:
  + Visual cover estimates of plant areal cover, maximum value per species over the course of the growing season.
  + All years, all plots
  + 2008 – Present
* Resin Extract Data:
  + Coverage is not consistent among all years (initial sampling took place in all plots, then decreased in coverage to focus on core plots organized by priority).
  + From David’s email 6/1/2018:
    - 2008-09: resins in all plots, harvest dates varied by treatment
    - 2009-10: resins in all plots in CONTROL blocks only, "shallow" and "deep" depths, harvest dates varied by treatment
      * NOTE: I have not organized this data yet and the actual harvested plots may have different from the planned plots at some dates
    - 2010-2014 seasons: cut out monocultures and 2nd-control blocks, focus on mix-veg plots comparing precip treatments, list of plots and treatments changed year to year
    - 2014-present: resins only in 56 "core" plots (4 mix-veg x 3 precip treatments including all 8 control blocks), fewer harvest dates / season
* Aboveground biomass data:
  + Multiple samples per year, sorted into live and litter
    - Important to consider when samples were taken + what this data can show
      * Live biomass better detected in April/May sampling, for example, but later season may be better to find standing dead.
  + Sampling dates:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2007-2008** | **2008-2009** | **2009-2010** | **2011-2012** | **2011-2012** | **2012-2013** | **2013-2014** | **2014-2015** | **2015-2016** | **2016-2017** | **2017-2018** |
| 4/7/08 | 12/6/08 | 11/19/2009 | 1/4/2011 | 1/10/2012 | 12/19/2012 | 3/12/2014 | 12/8/2014 | 1/27/2016 | 4/24-27/2017 | 5/8-11/2018 |
| 6/1/08 | 2/20/09 | 1/8/2010 | 4/7/2011 | 3/22/2012 | 2/27/2013 | 5/7/2014 | 2/10/2015 | 4/12/2016 | 6/27-29/2017 |  |
|  | 3/6/09 | 2/4/2010 | 6/24/2011 | 5/23/2012 | 4/23/2013 | 7/8/2014 | 4/21/2015 | 7/5/2016 |  |  |
|  | 4/13/09 | 3/9/2010 |  | 7/3/2012 | 7/9/2013 |  | 6/22/2015 |  |  |  |
|  | 5/28/09 | 5/19/2010 |  |  |  |  |  |  |  |  |
|  | 6/1/09 | 7/1/2010 |  |  |  |  |  |  |  |  |
|  | 7/2/09 |  |  |  |  |  |  |  |  |  |

* Root biomass data:
  + 1 sample taken per year at the end of the season (?)
  + Separated into shallow and deep roots (0-15cm, 15-30cm)
* Various other soil measures with less temporal replication:
  + Microbial biomass (2010)
  + Bulk density (2010)
  + Nitrogen fixation (2008, 2009)
  + Soil organic matter (2009)
  + Soil moisture (2008)