Friday, 5 April 2019

309 ACES library

**SWATeam Water/Stormwater Minutes**

Present: Bruce Branham, Ximing Cai, Reid Christianson, Joseph Edwards, Brent Lewis, Ella Liskiewicz,

Morgan White

I. Greenhouse Gas Emissions: measuring to meet iCAP goals

A. Need an accurate way to estimate emissions, but how to write a recommendation?

1. Previously made estimates based on livestock and chemical use

2. Can recommend certain GHG calculators for different departments, as long as they are

considered accurate

a. Would be possible to pick a few and let managers decide among them

b. Google Scholar searches during meeting have found relatively recent calculators

c. Action: contact faculty involved in agricultural carbon emissions for knowledge on the

subject to write a feasible recommendation

B. Need cooperation from farm managers: one person handles South Farms, but Animal Sciences is

putting together a different management

C. A map of plots of South Farms and who manages each is available, would be useful

D. Bringing about change: why farmers hesitate to use cover crops

1. Timing: planting for winter might not end until mid-November

2. Not much profit in the first year or two

3. Planting can be $25-$75/acre

i. Note that this is less expensive than renovating a parking lot

II. iWG meeting on May 3, 11-12:30pm

A. Aim to have all comments for any recommendations finished by then

IV. Evaluation of iCAP objectives for 2020

A. Should food waste reduction be a part of ALUFS or Purchasing, Waste, and Recycling (PWR) team?

1. Seems more compatible with PWR, will consider continuing work done by ALUFS in that team

starting Fall 2019

2. Comment that ALUFS is more geophysical, reducing food waste is more social

3. Names identified who may be able to help out in the next semester

4. Don’t want to think of the teams as fully compartmentalized but need a proper division of

responsibilities

B. Objectives should be rewritten to be more quantitative

1. Metrics may include number of non-research plots using best management practices

2. Reduction in nutrient runoff is feasible, but need a measurable action to achieve that amount:

for example, amount of land planting cover crops

3. Food waste is also measurable