

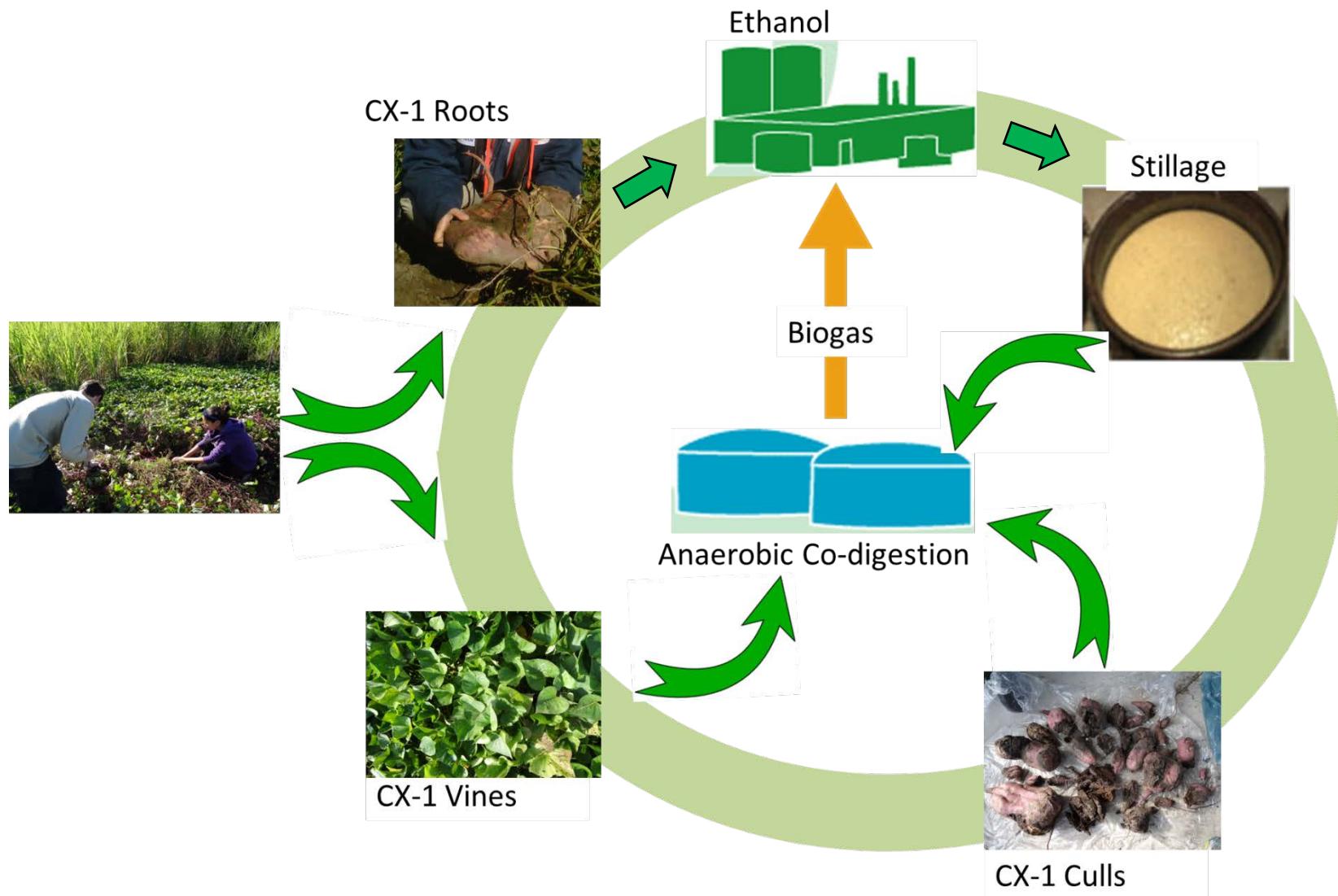


Evaluating the Bioenergy Potential of Sweetpotato Vines

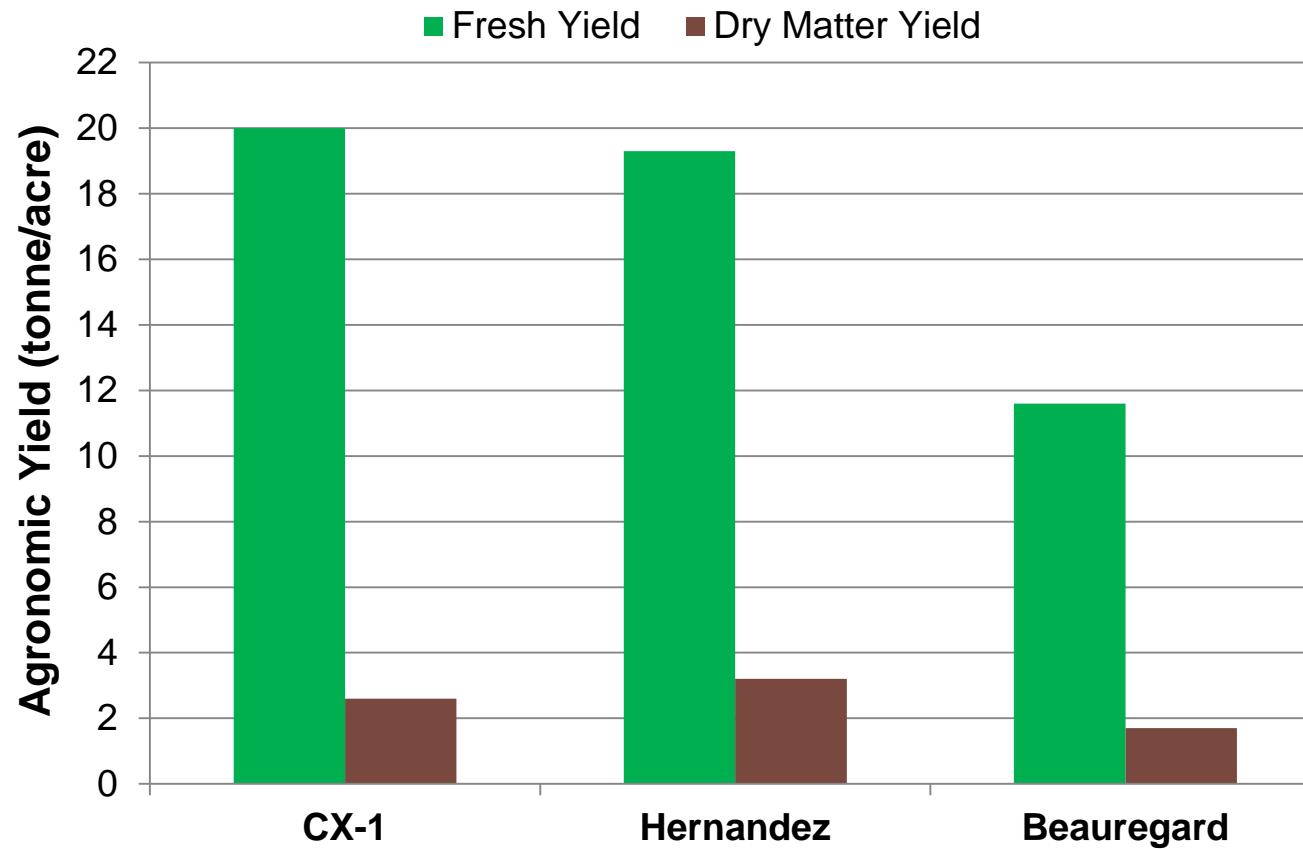
Wendy Mussoline and Ann C. Wilkie
(Postdoc) **(Professor)**

FESC Workshop
Orlando, Florida
May 20, 2015

Bioethanol and Biogas Recovery from Sweetpotato

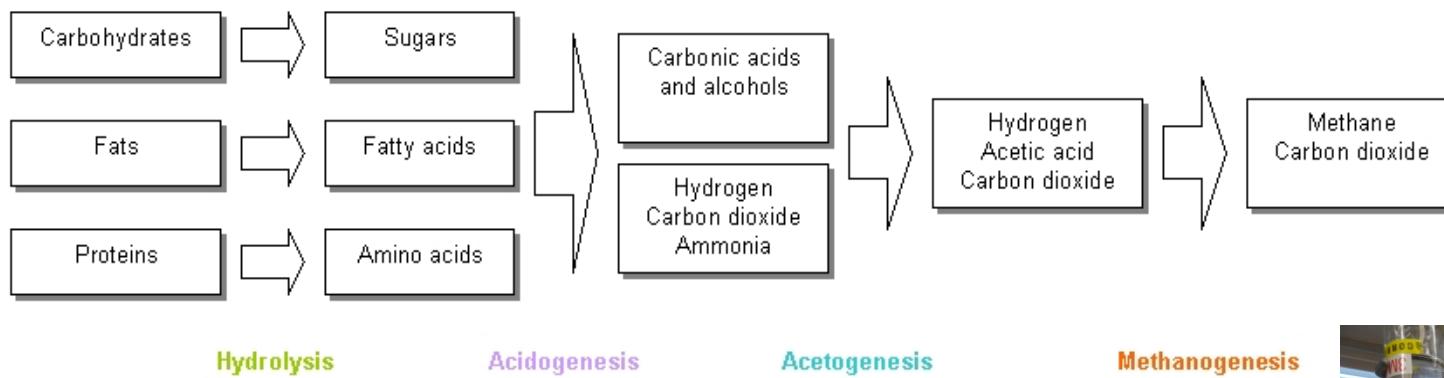


Agronomic Vine Yields – 165 DAP



Methane Potential Assay

Parameter	CX-1 Whole Vines	Hernandez Whole Vines	Beauregard Whole Vines
Total Solids (%)	13.1 ± 0.6	16.5 ± 1.8	15.1 ± 0.9
Volatile Solids (%TS)	89.1 ± 0.2	89.2 ± 0.9	89.1 ± 1.1
Total COD (mg/g TS)	1059 ± 53	1029 ± 56	1027 ± 94



Methane Yield

