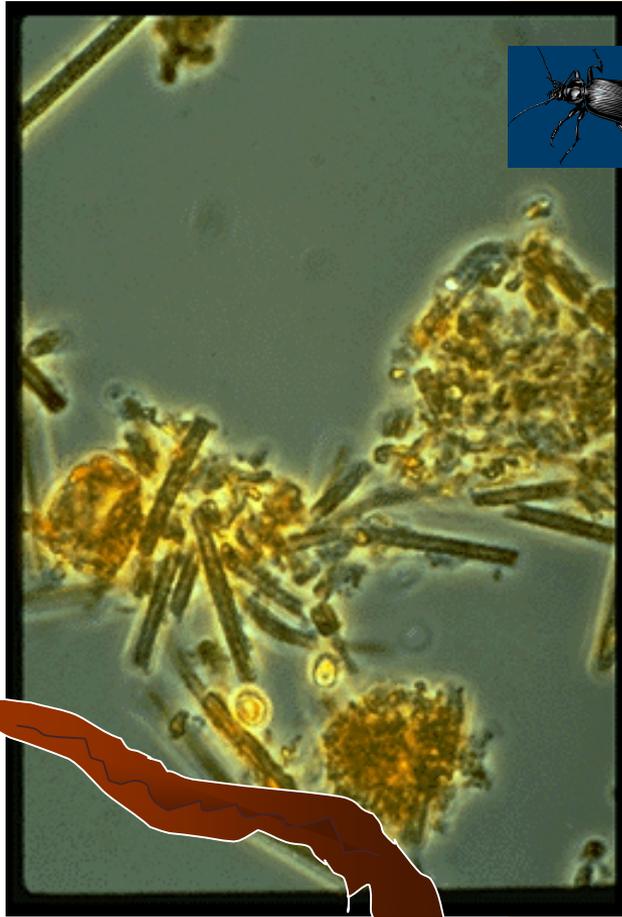




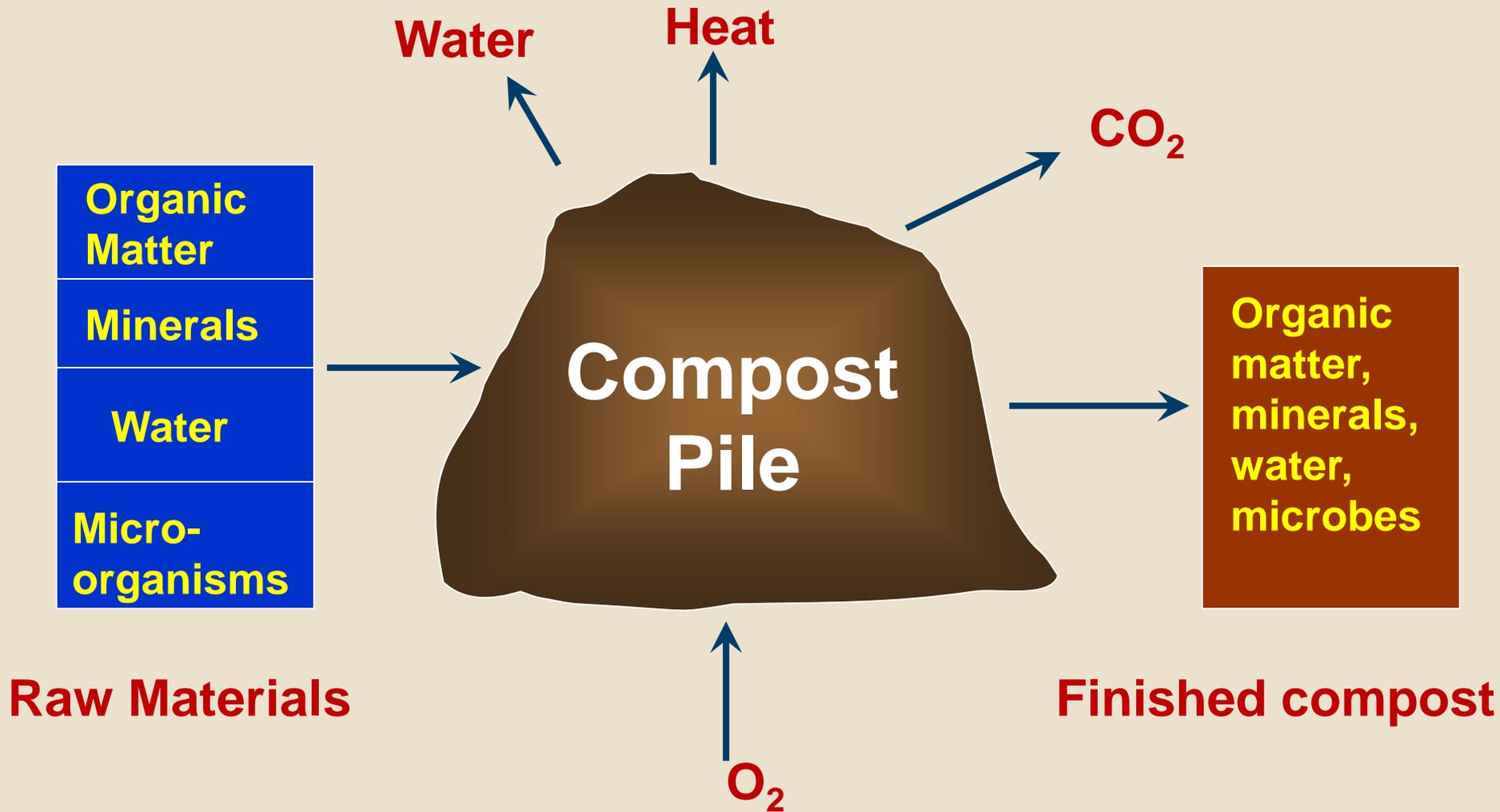
# Composting

Andy Bary

WSU - Puyallup



# The Composting Process



# Summary: Requirements for Aerobic, Thermophilic Composting

Parameter	Reasonable Range	Preferred Range
C:N Ratio	20:1-40:1	25:1-30:1
% Moisture	40-65%	50-60%
O <sub>2</sub> Conc.	> 5%	~10%
Particle size	1-3 "	< 1-2 "
pH	5.5-8.5	6.5-8.0
Temperature	131-170 °F	131-150 °F

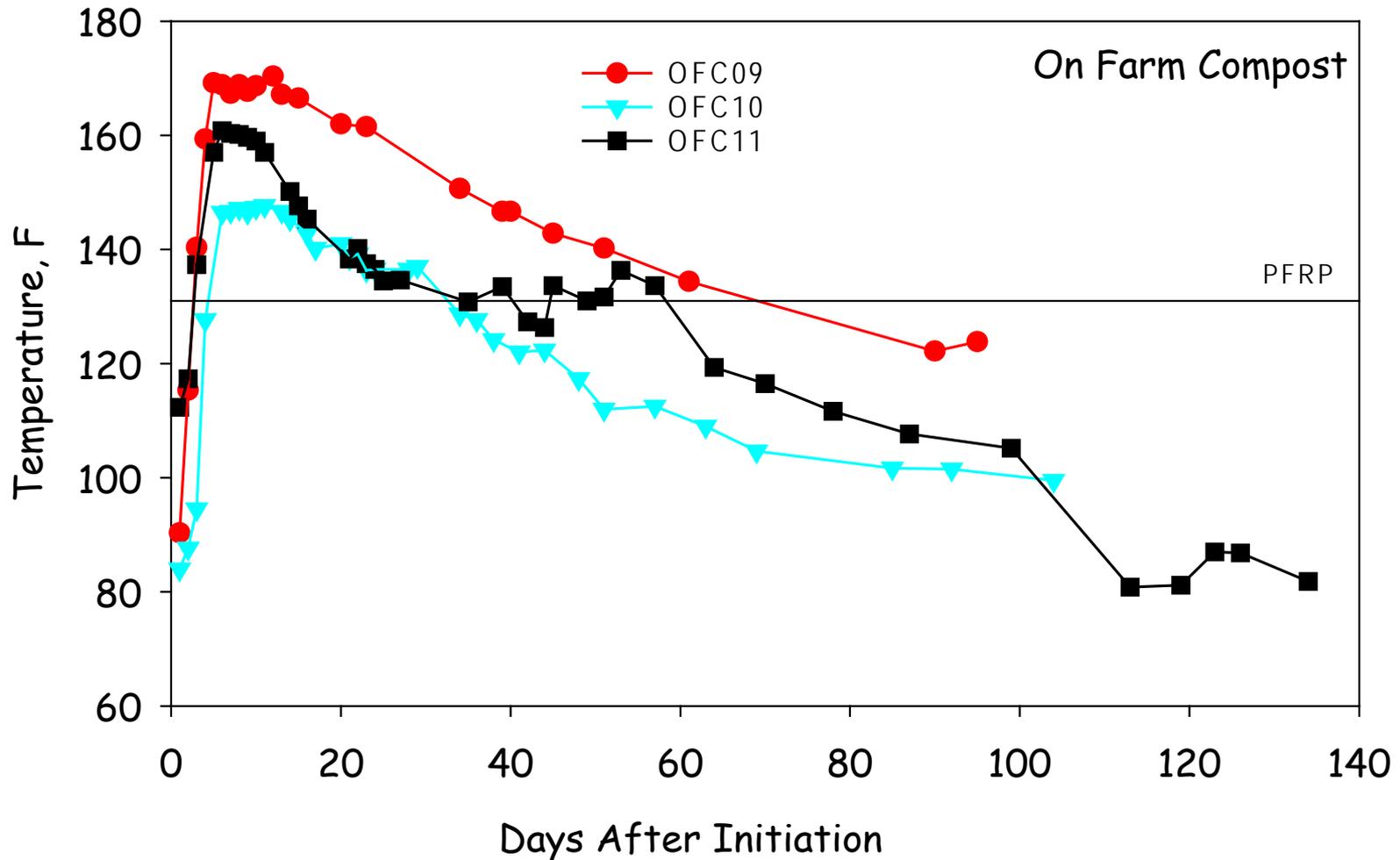
# Dairy Solids Nitrogen and C:N ratio

					Bulk
					Density
Year	N, %	C, %	C:N	Moisture	lb/cu yard
2007	1.49	49	33	81	1342
2008	1.50	53	35	83	1392
2009	0.95	54	57	81	1156
2010	1.16	55	47	79	1061
2011	1.82	57	31	81	1156
2012	0.97	31	32	66	1022
2013	1.41	42	30	73	1018
average	1.33	49	33	78	1156



**Thank you  
Questions**

# Aerated Static Pile Temperatures



# Turned Windrow Temperatures

