

Fermentation End Product Guidelines

	Legume/Legume Mixed Silage		Grass Silage	Corn Silage
	Dry Matter 30-40%	Dry Matter 45-55%	Dry Matter 30-45%	Dry Matter 35-40%
pH	4.3 - 4.5	4.7 - 5.0	4.4 - 4.7	3.7 - 4.2
Lactic Acid (% DM)	7 - 8	2 - 4	6 - 9	4 - 7
Acetic Acid (% DM)	2 - 3	.5 - 2.0	1 - 3	1 - 3
Propionic Acid (% DM)	<0.5	<0.10	<0.10	<0.10
Butyric Acid (% DM)	<0.10	<0.10	<0.10	<0.10
Iso-Butyric Acid (% DM)	<0.10	<0.10	<0.10	<0.10
Lactic Acid (% of total)	+70	+70	+70	+70
Ammonia - N (% of CP)	10 - 15	<12	<12	5 - 7

Source: 1 Randy Shaver, UW Extension
 2 L. Kung, University of Delaware
 3 Richard Muck, USDA Forage Research Center