Wide Swathing and Low Lignin Alfalfa Technologies for Quality & Yield

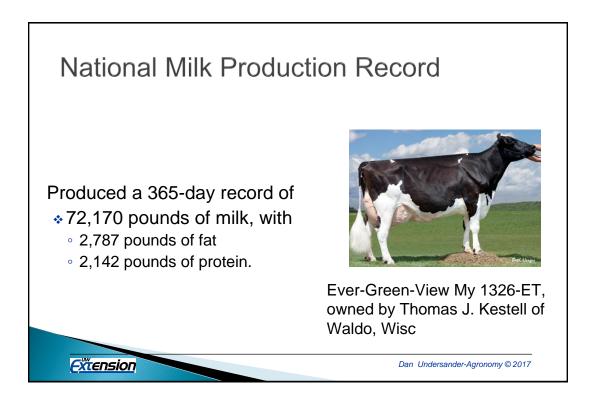
Dr. Dan Undersander University of Wisconsin

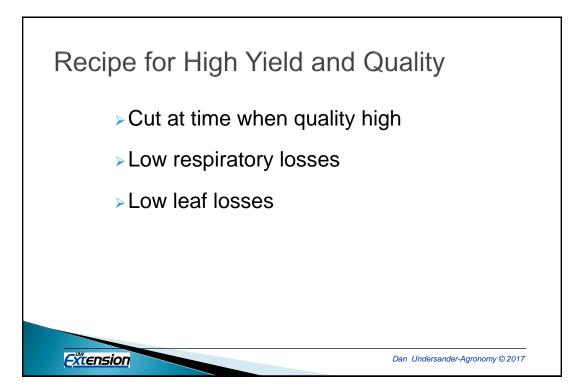
Changes in U.S. Dairy Industry since 1935

Year	# Dairy Farms	# milk cows	Total Milk	Milk/ cow
	1000s	1,000 hd	billion lbs	lbs/hd/ year
1935	>4,100	24,187	100	4,184
1965	1,108	14,953	124	8,303
1995	140	9,466	155	16,405
2015	44	9,257	209	22,393
Source: USI	DA National Ag	ricultural Statist	ical Service	

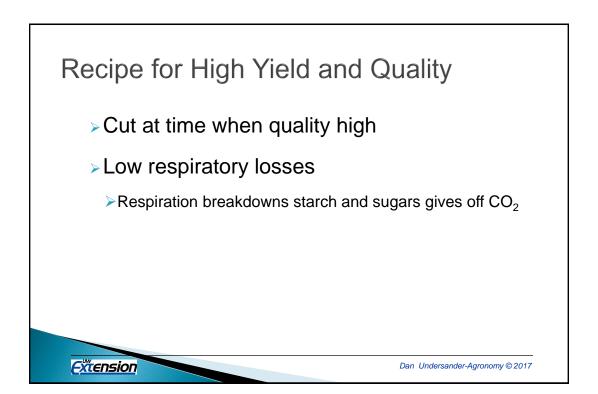
Extension

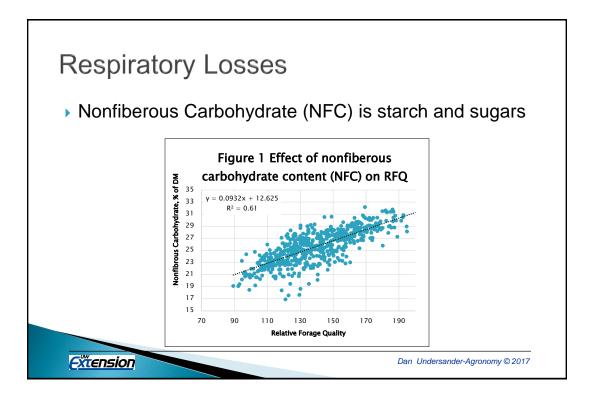
Dan Undersander-Agronomy © 2017

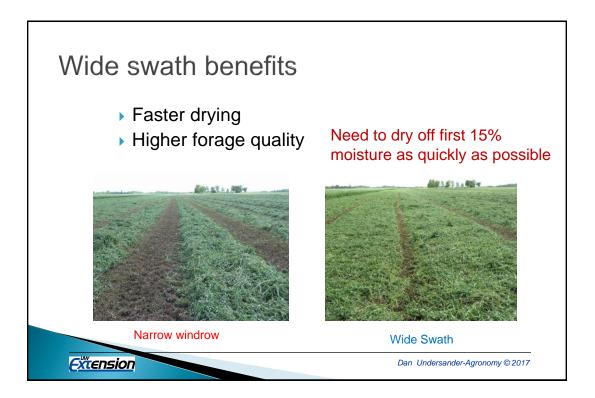




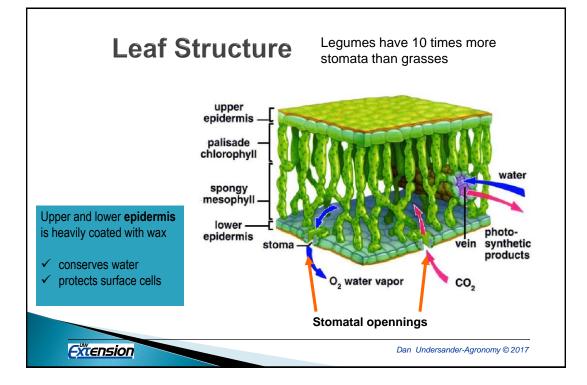
Rate of Alfalfa Forage Quali Change per Day	ty
Component	Mean
Crude Protein, % DM	-0.25
Acid Detergent Fiber, % DM	0.36
Neutral Detergent Fiber, % DM	0.43
Neutral Detergent Fiber Digestibility, % NDF	-0.43
RFV, points	-2.9
RFQ, points	-3.6
Source: Undersander, 2009 u	npublished

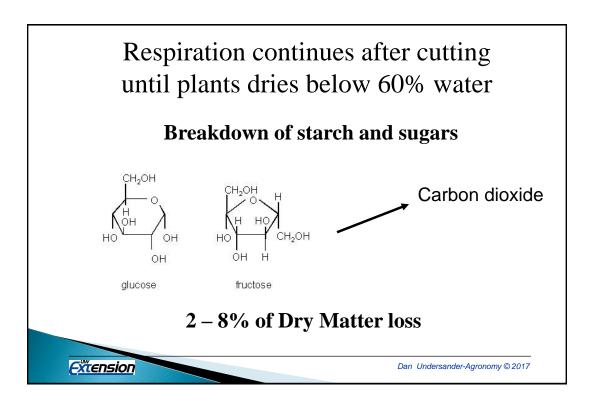


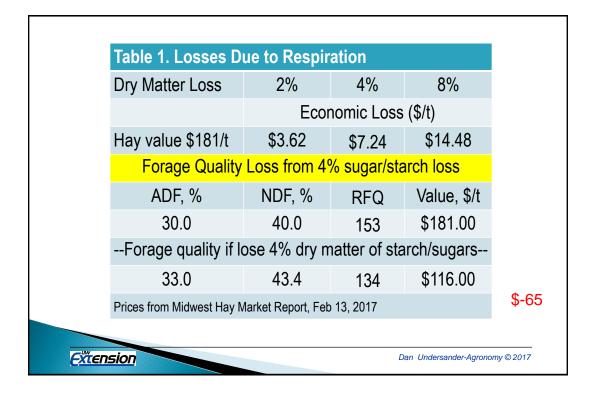


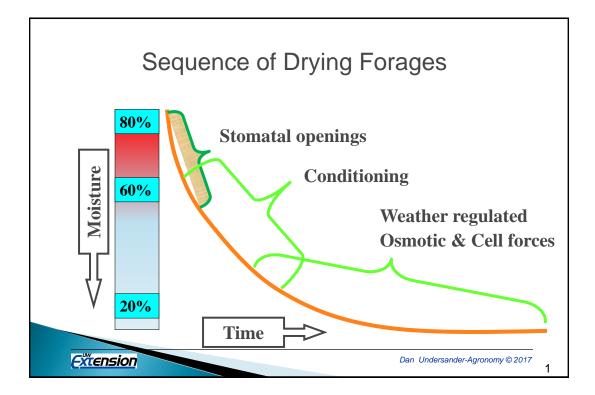


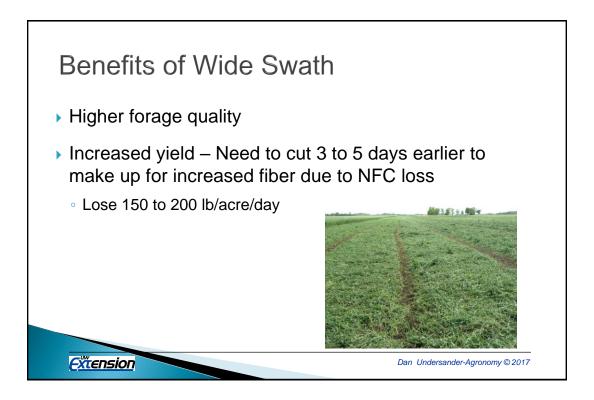


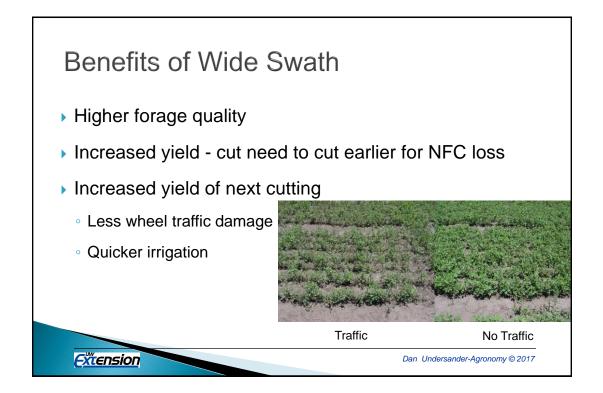




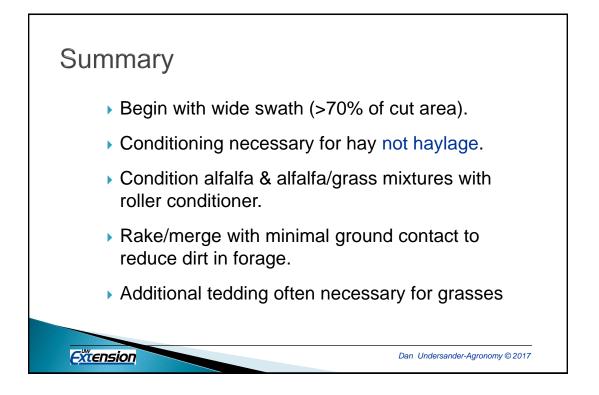


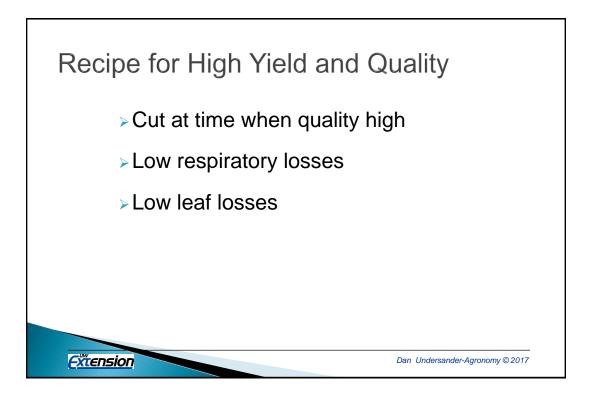


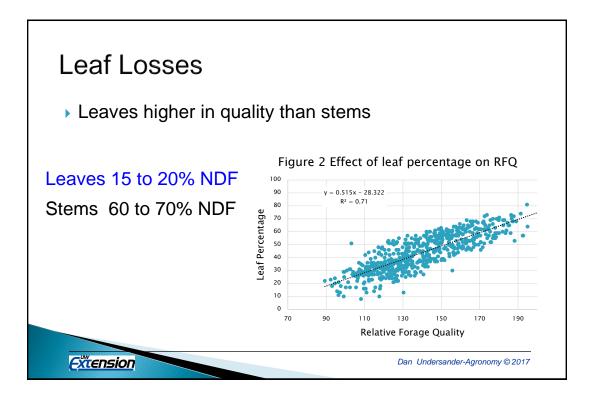








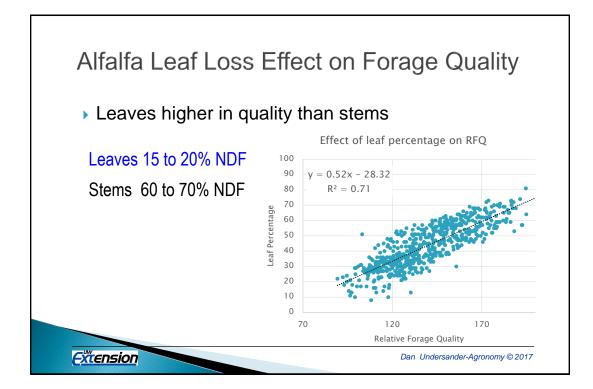


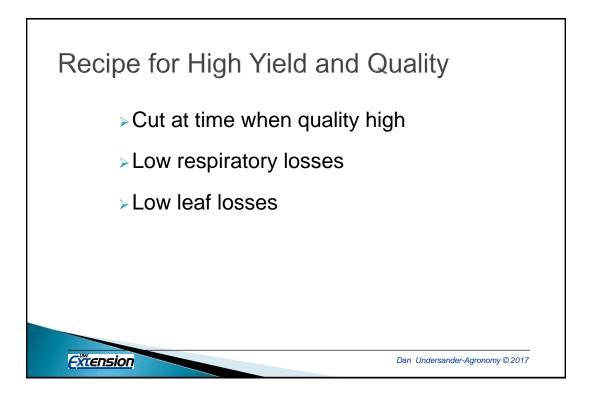


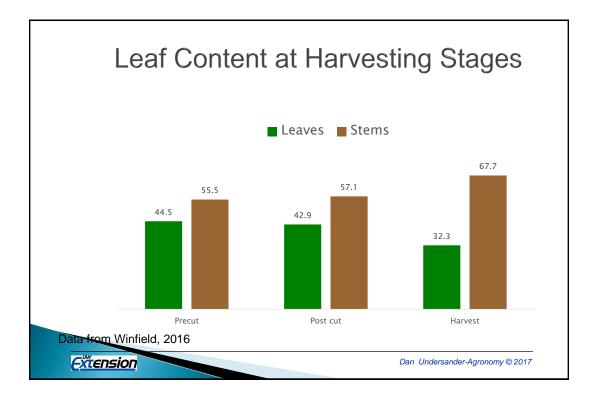


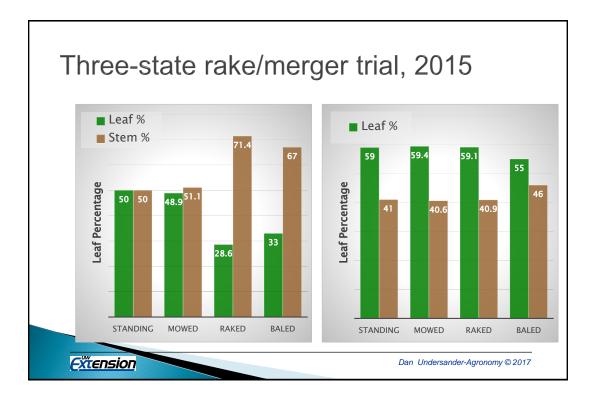


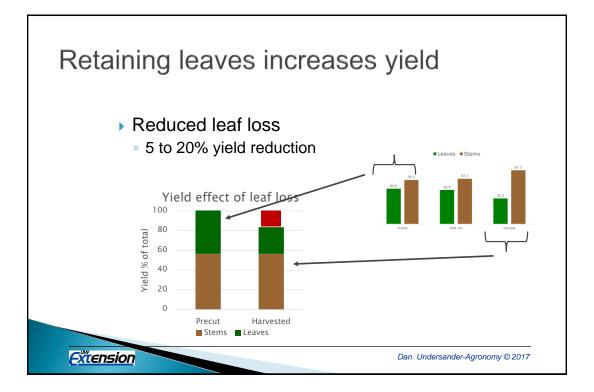


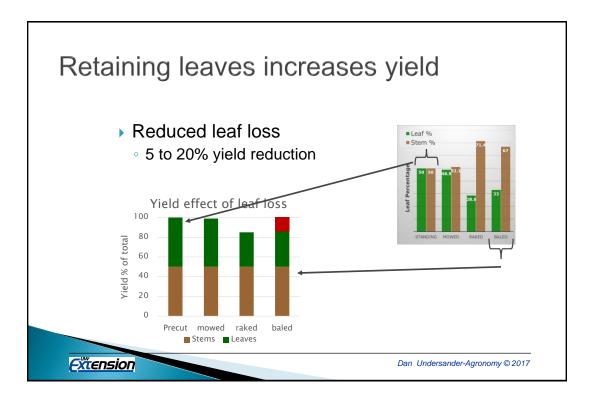






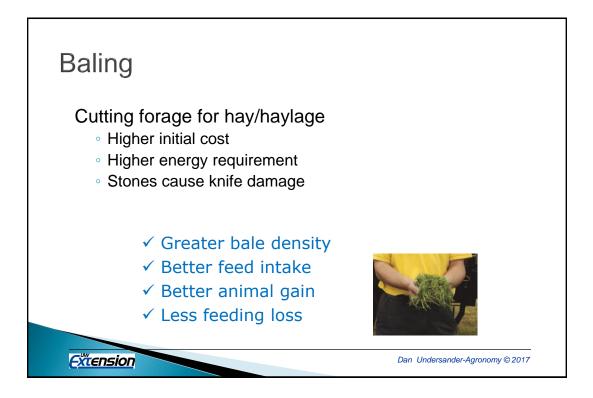


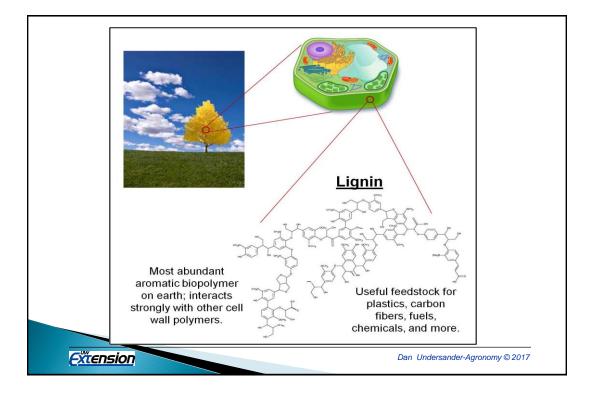


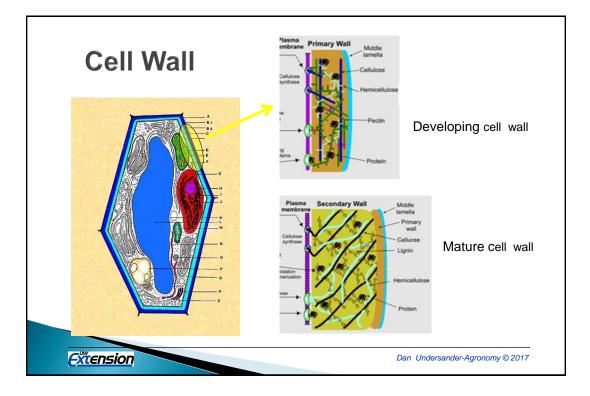


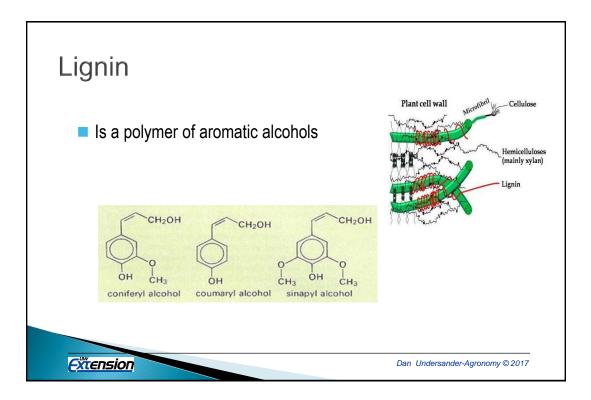


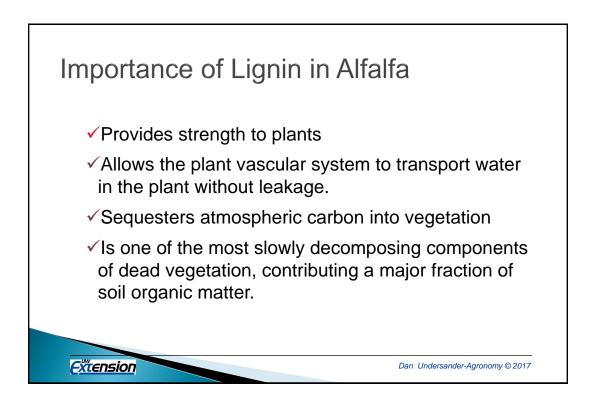


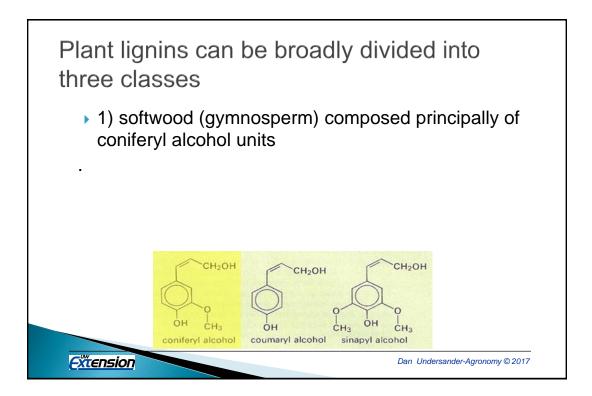


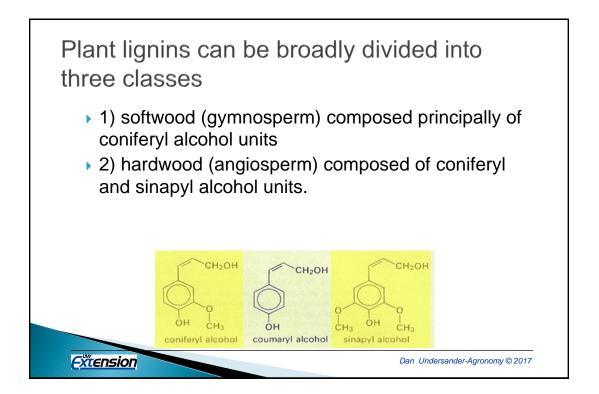


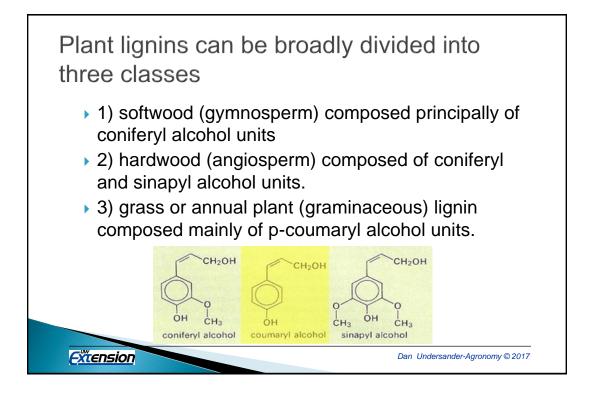


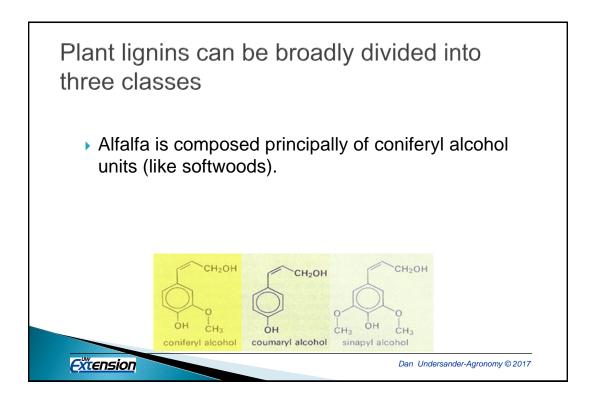


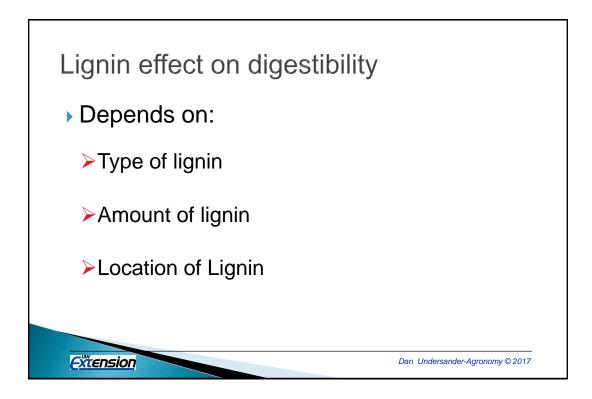


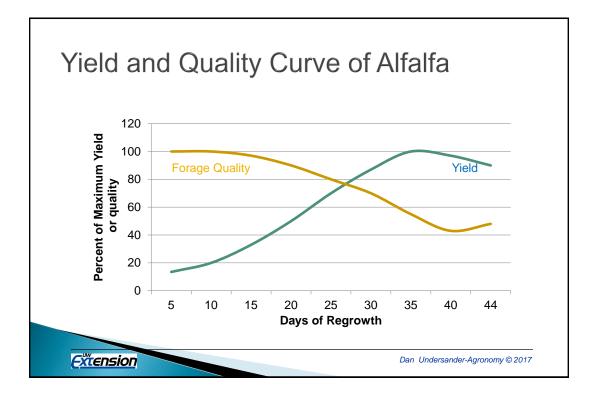


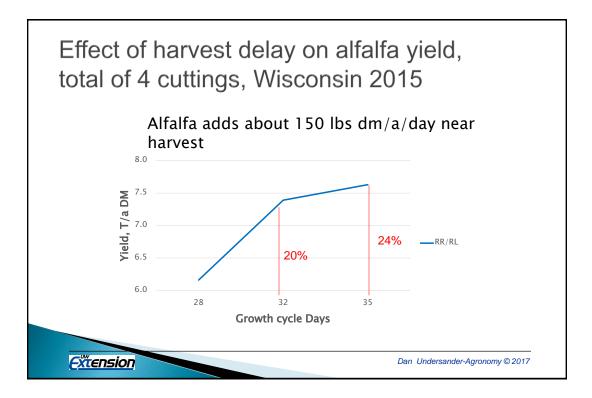


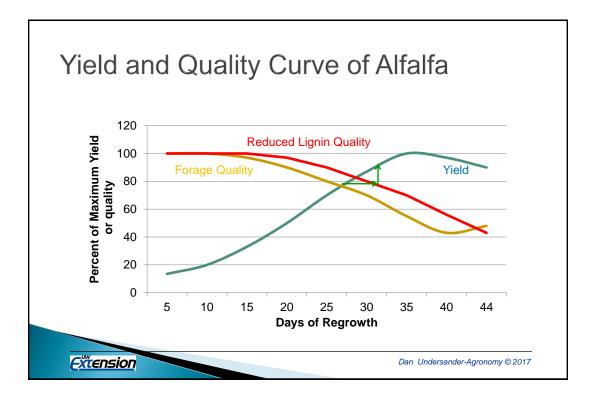


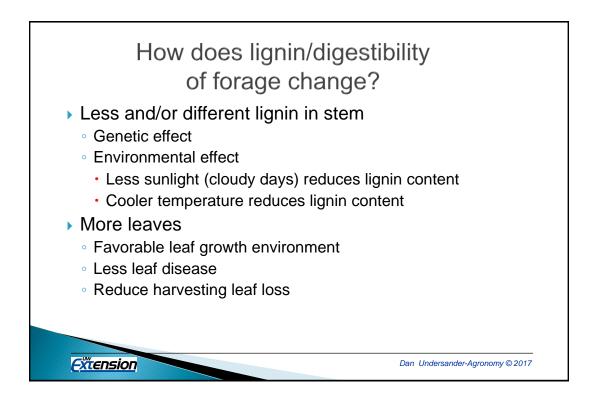


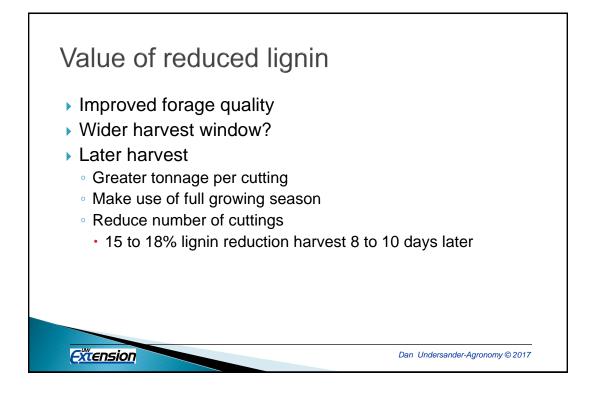




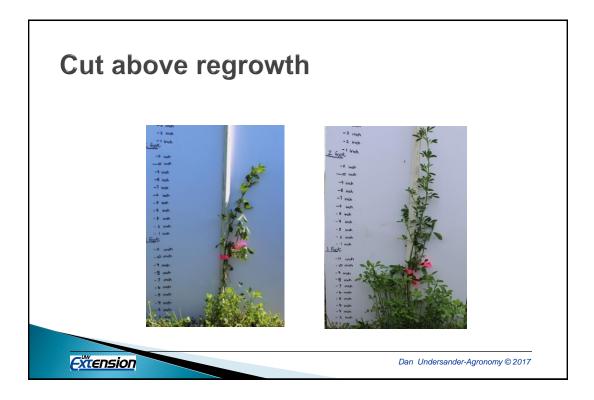












For Additional Information

