

Table 18 2013 Arethusa Farm Corn Height, Corn Ear Yield, and Corn Ear Brix Content  
(n=24, 4 per treatment)

Site Date	Corn Height (inches)	Corn Height (inches)	Number of Ears per plot	Average Yield of Ears (lbs/acre)	Brix (g/100 g)	
	August 2013	October 2013	October 2013	October 2013	October 2013	
Treatment	Fallow	37.2	78.0	22.8	1,199.5*	19.5
	Lupine	37.2	78.3	32.3*	631.3	22.1
	Mix	35.9	79.3	30.8	671.6	21.3
	Radish	38.2	78.1	25.8	746.9	21.2
	Rye	39.0	78.6	24.5	796.2	22.3*
	Vetch	37.4	76.4	25.8	782.8	20.3
	Mean	37.5	78.1	27.0	804.7	21.1

\*Indicates highest measurement. Bold indicates no significant difference from highest measurement.

Table 19 August 2013 Arethusa Farm Corn Leaf Quality Parameters (n=24, 4 per treatment)

Treatment	Average Leaf Biomass (lbs/acre)	Crude Protein (%)	ADF (%)	NDF (%)	Lignin (%)	K (ppm)	Mg (ppm)	P (ppm)	NH4 (ppm)
Fallow	10.2	20.4	26.3	57.6	2.6	3.4	0.21	0.33	0.77*
Lupine	10.4	19.8	27.1	58.7	2.7*	3.3	0.20	0.32	0.68
Mix	9.8	22.0*	25.1	56.5	2.5	3.4	0.21*	0.35*	0.77*
Radish	10.4	19.6	27.1*	59.3*	2.5	3.4	0.20	0.32	0.70
Rye	10.9	20.5	26.3	57.6	2.5	3.4	0.20	0.33	0.74
Vetch	11.1*	20.6	26.8	57.5	2.6	3.5*	0.21*	0.34	0.73
Mean	10.5	20.5	26.5	57.8	2.5	3.4	0.20	0.33	0.73

\*Indicates highest measurement. Bold indicates no significant difference from highest measurement.