

### Grain:Silage Ratio Based on AgriLife Data at Bushland

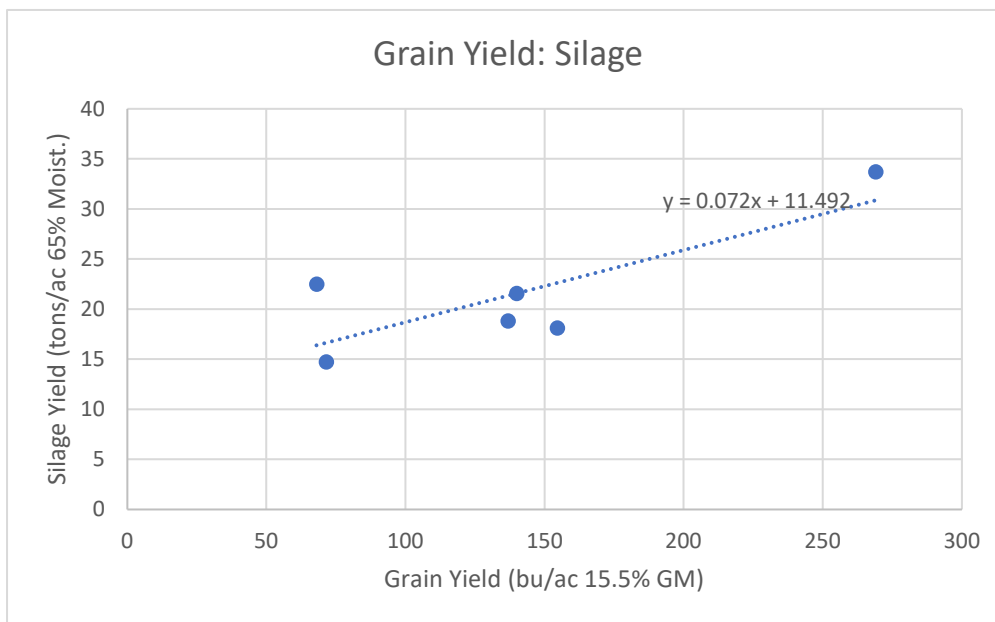
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	AgriLife Sorghum			AgriLife Sorghum	AgriLife Sorghum	
	Silage Trial	TCPB Plots	TCPB Plots	Silage Trial	Silage Trial	
<b>Corn Silage</b>	<b>2016</b>	<b>2021 PD1</b>	<b>2021 PD2</b>	<b>2022</b>	<b>2023</b>	<b>Average</b>
<b>Irrigation Capacity</b>	3	2	2	4	3	2.8
Grain (bu/ac 15.5%)	68.0	136.8	71.5	268.9	154.5	<b>139.9</b>
Silage (tons/ac. 65% Moist)	22.5	18.8	14.7	33.7	18.1	<b>21.6</b>
<b>Grain:Silage ratio</b>	<b>3.0</b>	<b>7.3</b>	<b>4.9</b>	<b>8.0</b>	<b>8.5</b>	<b>6.3</b>

Grain to silage ratio is dependent on the moisture of the forage.

Planting date can significantly impact grain production and thus the ratio - see 2021 mid-May vs. mid-June planted corn. 2021 PD2 lost tonnage due to disease. However, a later planting date has also been found to be beneficial as reproductive stages are shifted to more moderate periods in the summer (in normal years).

Above average in-season precipitation significantly benefited grain yield in 2022 at 4 GMPA.



Grain Yield (bu/ac)	Silage Yield (Tons/ac)	Ratio
150	22.3	6.7
200	25.9	7.7
225	27.7	8.1
300	33.1	9.1