

## Corn and Small Grain Silage Double-Crop Fertilizer Recommendations

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Table 1. Potassium fertilizer recommendations (K <sub>2</sub> O lb/acre)					
Soil Test Value (lb/ac)	CEC 0 - 4.9 K <sub>2</sub> O Recommendation (lb/ac)		Soil Test Value (lb/ac)	CEC 5 - 9.9 K <sub>2</sub> O Recommendation (lb/ac)	
	Corn	Small Grain		Corn	Small Grain
0-77	160	120	0-109	180	120
78-133	130	100	110-181	160	100
134- 199	100	80	182-253	130	80
200- 277	80	60	254-317	100	60
278- 399	40	40	318-439	40	40
400+	0	0	440+	0	0
Soil Test Value (lb/ac)	CEC 10 - 14.9 K <sub>2</sub> O Recommendation (lb/ac)		Soil Test Value (lb/ac)	CEC 15 and above K <sub>2</sub> O Recommendation (lb/ac)	
	Corn	Small Grain		Corn	Small Grain
0-69	180	140	0-77	180	160
70-133	160	120	78-157	180	140
134- 221	140	100	158-205	160	120
222- 301	120	80	206-253	140	100
302- 373	100	60	254-309	120	80
374-479	40	40	310-429	80	60
480+	0	0	430-519	40	40
			520+	0	0



Apply 150 lb of nitrogen per acre on corn silage following wheat silage.

Due to high plant nutrient removal from soil and high fertilizer application rates, yearly soil testing is necessary to assure sufficient nutrient and proper pH levels.

To avoid luxury consumption, apply the potassium fertilizer according to the recommendations before each crop is planted.

These recommendations are intended to meet yield goals of 8-10 tons of wheat silage and 20-25 tons of corn silage.

### *Reference*

Recommendations based on University of Kentucky 2008-2009 Lime and Nutrient Recommendations AGR-1 and University of Tennessee pub. SP434-D.