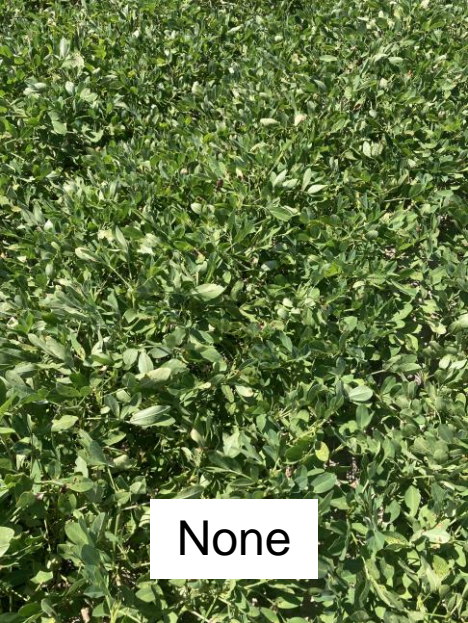


Zinc and Soil pH



None



Low



Medium

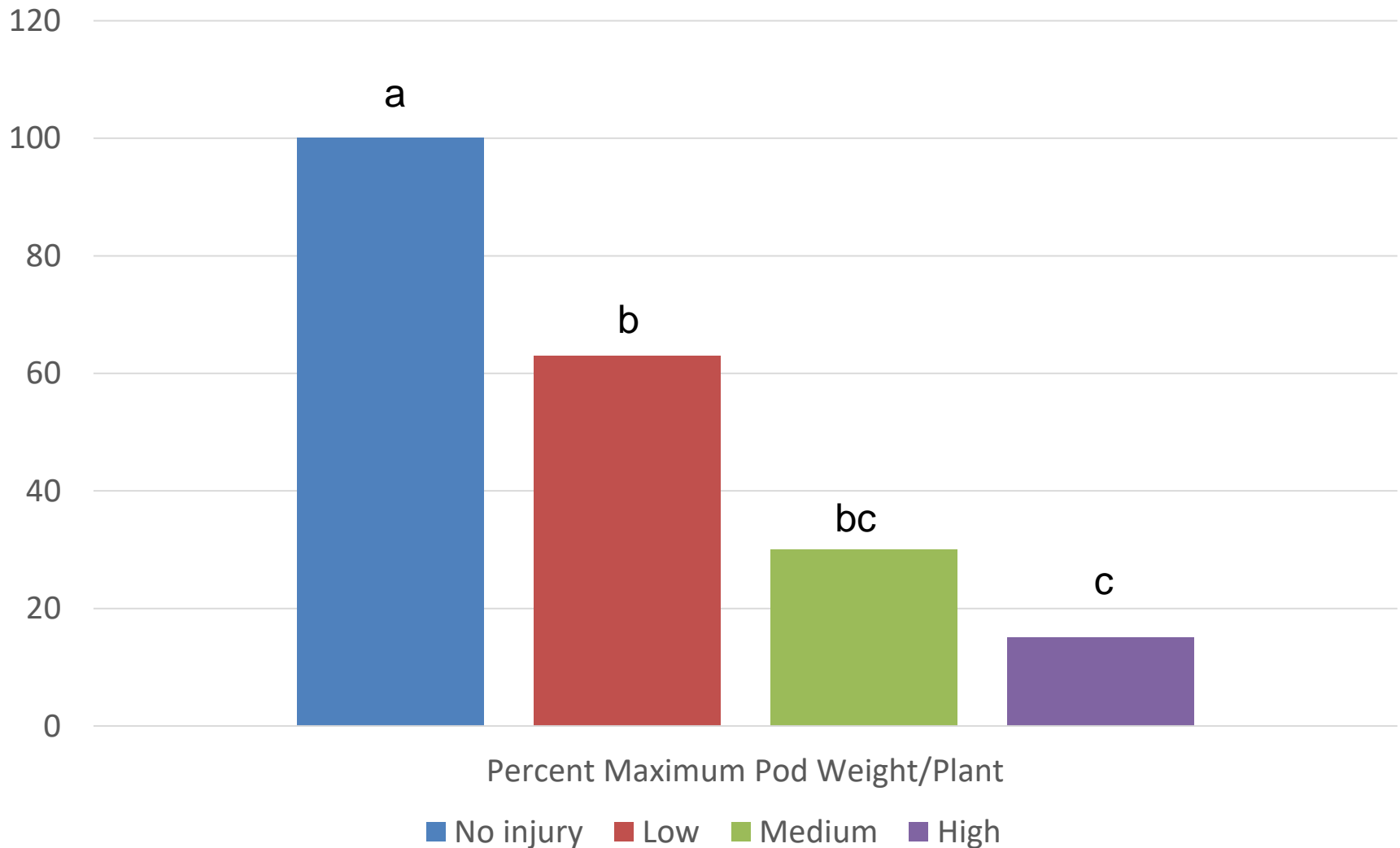


High



Very High

Percent of Maximum Pod Weight per Plant at Various Injury Levels Pooled over 3 trials



Level of Peanut Injury Represented by Chlorosis, Necrosis and Plant Stunting

<i>Location</i>	<i>None</i>		<i>Low</i>		<i>Medium</i>		<i>High</i>		<i>Very high</i>	
	<i>Zinc</i>	<i>pH</i>	<i>Zinc</i>	<i>pH</i>	<i>Zinc</i>	<i>pH</i>	<i>Zinc</i>	<i>pH</i>	<i>Zinc</i>	<i>pH</i>
PBRSDJ	758	6.2	671	5.3	560	5.3	577	5.1	738	5.1
NHDJ	1471	7.0	4078	6.7	1825	5.9	859	5.5	1067	5.5
HA1DJ	619	6.2	714	5.8	759	5.7	806	5.6	2408	5.6
HA2DJ	1255	6.4	992	5.9	964	5.8	748	5.5	508	5.4
EDDJ	158	5.7	200	5.5	285	5.9	167	5.6	213	5.4
BEBB	465	5.8	500	5.8	439	5.5	391	5.5	373	5.4
NHCE	126	5.9	973	6.4	823	5.7	1732	6.8		
NHCE	128	5.9	1232	6.3	1305	6.0	1723	6.2		
NHCE	114	5.9	2420	6.8	1661	5.9	2193	6.3		
NHCE			3315	6.9						
NHCE			590	5.9						

***In a trial at PBRs, no injury was observed when pH ranged from 6.2-6.5 at indices of 27 to 988 (5 plots).**

Current Recommendation

Avoid fields with a Zinc Index of 250 regardless of soil pH

Possible Recommendations

If pH is 6.5, plant peanuts up to Zinc Index of 750

Assumes pH uniformity across the field