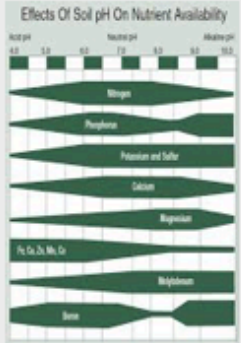






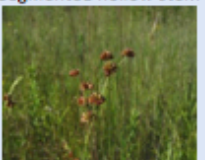














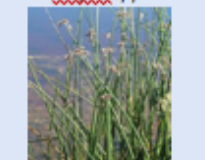






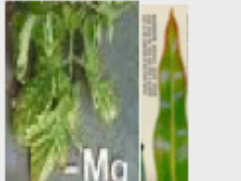




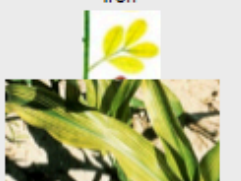






COMPACTED SOIL	OVER GRAZED LAND	WET OR FLOODED SOIL	LOW FERTILITY SOIL	DEFICIENCY
<p>Low Oxygen soils: Platy layers in soil, high bulk density (poor infiltration, increased runoff)</p>	<p>Lack of cover: effects similar to compacted land – High weed population</p>	<p>Low Oxygen soils: Pore spaces become saturated or not present negatively affecting soil structure, decomposition, and chemical and biological processes</p>	<p>Unbalanced Fertility: pH below 5.1 (frequent) or above 7.3 (high pH is uncommon in TN). Often Phosphorous is limiting factor. Potassium is typically limiting on hay land</p>	<p>Severe deficiency of a nutrient or pH is low and infrequently too high in TN</p> 
<p>Prostrate knotweed: <i>Polygonum arenastrum</i> or <i>aviculare</i></p> 	<p>Horsenettle: <i>Solanum carolinense</i></p> 	<p>Sedges: <i>Carex</i> spp. Sedges have edges, triangular stem</p> 	<p>Rabbit tobacco: <i>Pseudognaphalium obtusifolium</i></p> 	
<p>Rushes: <i>Juncus</i> spp.</p> 	<p>Bitter sneezeweed: <i>Helenium amarum</i></p> 	<p>Rushes: <i>Juncus</i> spp. Segmented hollow stem</p> 	<p>Red sorrel: <i>Rumex acetosella</i></p> 	<p>Nitrogen</p> 
<p>Goosegrass: <i>Eleusine indica</i></p> 	<p>Spiny amaranth: <i>Amaranthus spinosus</i></p> 	<p>Spikerush: <i>Eleocharis</i> spp.</p> 	<p>Poor Joe: <i>Diodia virginiana</i></p> 	<p>Phosphorus</p> 
<p>Bitter sneezeweed: <i>Helenium amarum</i></p> 	<p>Bermudagrass: <i>Cynodon dactylon</i></p> 	<p>Flatsedge: <i>Cyperus</i> spp.</p> 	<p>Broomsedge: <i>Andropogon virginicus</i></p> 	<p>Potassium</p> 
<p>Dog fennel: <i>Eupatorium capillifolium</i></p> 	<p>Annual bluegrass: <i>Poa annua</i></p> 	<p>Bulrush: <i>Scirpus</i> spp.</p> 	<p>Sweet vernalgrass: <i>Anthoxanthum odoratum</i></p> 	<p>Calcium</p> 
<p>Buttercup: <i>Ranunculus</i></p> 	<p>Kentucky bluegrass: <i>Poa pratensis</i></p> 	<p>Virginia buttonweed: <i>Diodia virginiana</i></p> 	<p>Oxeye Daisy: <i>Leucanthemum vulgare</i></p> 	<p>Magnesium</p> 
<p>Curly dock: <i>Rumex crispus</i></p> 	<p>Crabgrass: <i>Digitaria ischaemum</i></p> 	<p>Smartweed: <i>Persicaria</i> spp.</p> 	<p>Panicums: <i>Panicum</i> spp.</p> 	<p>Iron</p> 
<p>Chicory: <i>Cichorium</i> spp.</p> 	<p>Ironweed: <i>Vernonia gigantea</i></p> 	<p>Reed canarygrass: <i>Phalaris arundinacea</i></p> 	<p>Yarrow: <i>Achillea millefolium</i></p> 	<p>Zinc</p> 