



Livestock Farming

Handout 2

Nutritional Deficiencies in Livestock

	Decreased rate or cessation of	Rough coat, unthriftiness	Reduced appetite, anorexia	Decreased milk production	Emaciation, loss of mass	Dead or weak offspring	Stiff joints, lameness	Pica	Impaired reproduction	Collapse or death	Fragile, weak or fractured bones	Anemia	Diarrhoea	Muscular unco-ordination	Decreased phosphorus in plasma	Staggering gait	Convulsive seizures	Straight pasterns	Craving for salt	Suppression of oestrus	Goitre	Day or night blindness	Decreased Vit A in plasma	Shy breeding	Watery eyes, nasal discharge	Secondary pneumonia	Decreased calcium in plasma	Arching back	Tetany	Oedema	Enlarged joints and bowed legs	
Energy	X	X		X	X				X	X																						
Protein	X		X	X	X	X														X												
NaCl	X	X	X	X	X			X		X									X													
Calcium	X	X	X	X		X	X		X		X															X						
Phosphorus	X		X	X		X	X	X	X		X				X																	
Iron	X	X	X			X						X		X																		
Copper	X	X	X			X		X				X	X	X				X		X												
Cobalt		X	X	X	X			X				X	X																			
Iodine		X				X															X										X	
Vitamin A	X	X			X	X	X		X	X			X	X		X	X					X	X	X	X	X						X
Vitamin D	X		X		X	X	X				X				X	X	X	X									X	X	X			