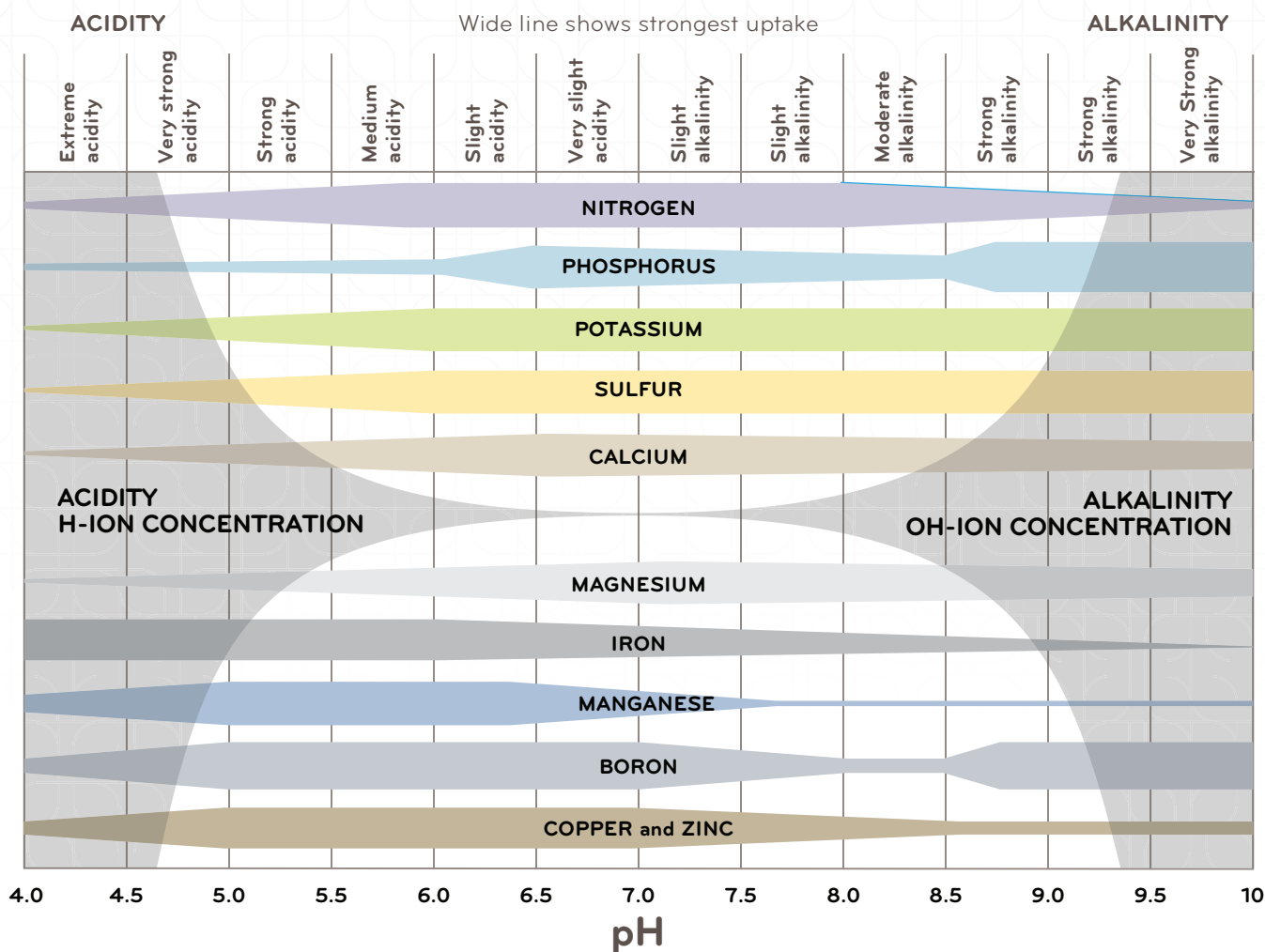


# SOIL UPTAKE of NUTRIENTS

## In relations to acidity or alkalinity



### MATERIALS USED FOR CORRECTING ALKALI

Material	Chemical Formula	Active Ingredients %	Combined Sulfur%	Lbs. necessary to equal 1Lb. of sulfur
Gypsum	CaSO <sub>4</sub> 2H <sub>2</sub> O	65-95	18.6	5.38
Soil Sulfur	S	99	99	1
Sulfuric Acid	H <sub>2</sub> SO <sub>4</sub>	95	31	3.2
Lime Sulfur Solution	CaSx	29	22	4.54

### MATERIALS USED FOR CORRECTING ACIDITY

Material	Chemical	Equivalent CaCO <sub>3</sub>	Source
Limestone	CaCO <sub>3</sub>	95%	Natural limestone deposits
Hydrated Lime	Ca(OH) <sub>2</sub>	120%	Limestone burned with steam
Burned Lime	CaO	150%	Limestone burned in kiln
Dolomite	CaCO <sub>3</sub> MgCO <sub>3</sub>	110%	Natural mineral deposit