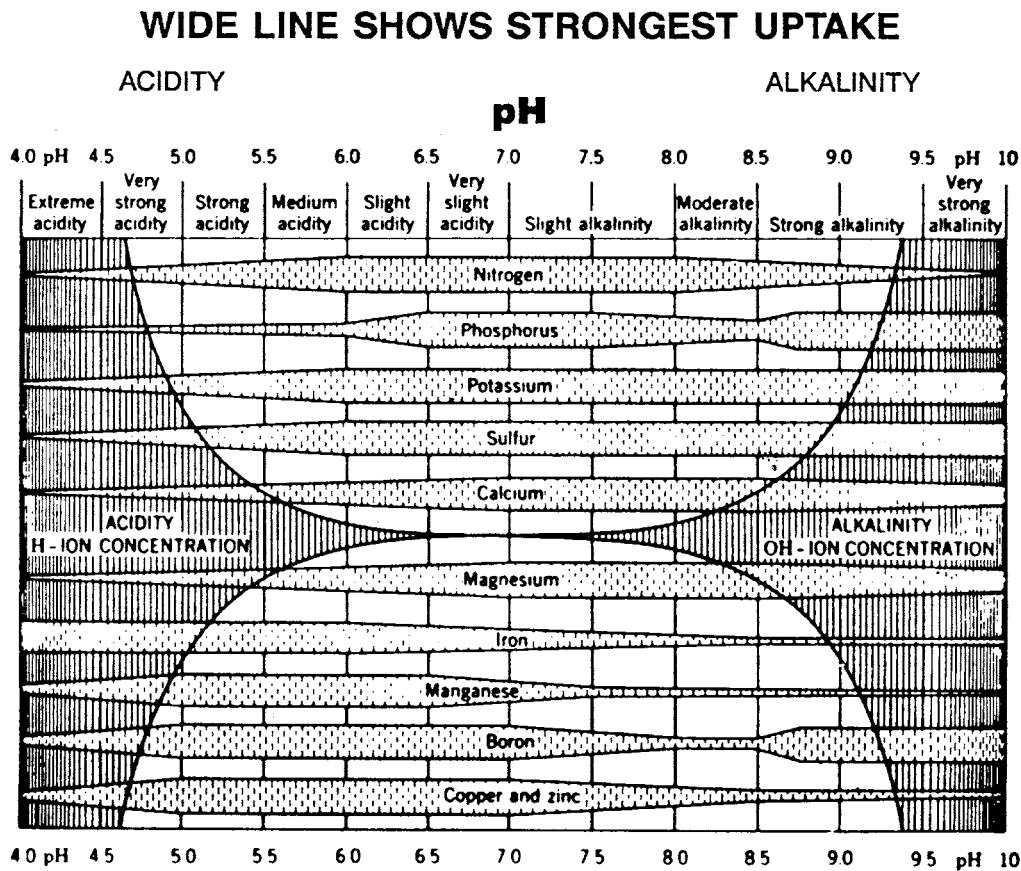


# SOIL UPTAKE OF NUTRIENTS in relations to acidity or alkalinity



## MATERIALS USED FOR CORRECTING ALKALI

MATERIAL	CHEMICAL FORMULA	ACTIVE INGREDIENTS %	COMBINED SULFUR %	LBS. NECESSARY TO EQUAL 1 LB. OF SULFUR
GYPSUM	$\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$	65-95	18.6	5.38
SOIL SULFUR	S	99	99	1
SULFURIC ACID	$\text{H}_2\text{SO}_4$	95	31	3.2
LIME SULFUR SOLUTION	$\text{CaSx}$	29	22	4.54

## MATERIALS USED FOR CORRECTING ACIDITY

NAME	CHEMICAL	EQUIVALENT $\text{CaCO}_3$	SOURCE
LIMESTONE	$\text{CaCO}_3$	95%	Natural limestone deposits
HYDRATED LIME	$\text{Ca(OH)}_2$	120%	Limestone burned with steam
BURNED LIME	CaO	150%	Limestone burned in kiln
DOLOMITE	$\text{CaCO}_3\text{MgCO}_3$	110%	Natural mineral deposit