

Periodic Table of the Elements

17 Essential Plant Nutrients

3 Primary Nutrients—usually the most common deficient nutrients

3 Secondary Nutrients—same quantity as primary less likely deficient

8 Micronutrients—used in very small amounts just as essential

3 Other Essential Elements—supplied by air & water

1	H Hydrogen 1.008	2	He Helium 4.003
3	Li Lithium 6.941	4	Be Beryllium 9.012
11	Na Sodium 22.990	12	Mg Magnesium 24.305
19	K Potassium 39.098	20	Ca Calcium 40.078
37	Rb Rubidium 84.468	38	Sr Strontium 87.62
55	Cs Cesium 132.905	56	Ba Barium 137.327
87	Fr Francium 223.020	88	Ra Radium 226.025
21	Sc Scandium 44.956	22	Ti Titanium 47.88
23	V Vanadium 50.942	24	Cr Chromium 51.996
25	Mn Manganese 54.938	26	Fe Iron 55.845
27	Co Cobalt 58.933	28	Ni Nickel 58.693
29	Cu Copper 63.546	30	Zn Zinc 65.39
39	Y Yttrium 88.906	40	Zr Zirconium 91.224
41	Nb Niobium 92.906	42	Mo Molybdenum 95.94
43	Tc Technetium 98.907	44	Ru Ruthenium 101.07
45	Rh Rhodium 102.906	46	Pd Palladium 106.42
47	Ag Silver 107.868	48	Cd Cadmium 112.411
49	In Indium 114.818	50	Sn Tin 118.71
51	Sb Antimony 121.760	52	Te Tellurium 127.6
53	I Iodine 126.904	54	Xe Xenon 131.29
85	At Astatine 209.987	86	Rn Radon 222.018
89-103	Actinides	104	Rf Rutherfordium [261]
105	Db Dubnium [262]	106	Sg Seaborgium [266]
107	Bh Bohrium [264]	108	Hs Hassium [269]
109	Mt Meitnerium [268]	110	Ds Darmstadtium [269]
111	Rg Roentgenium [272]	112	Cn Copernicium [277]
113	Uut Ununtrium unknown	114	Fl Flerovium [289]
115	Uup Ununpentium unknown	116	Lv Livermorium [293]
117	Uus Ununseptium unknown	118	Uuo Ununoctium unknown
57	La Lanthanum 138.906	58	Ce Cerium 140.115
59	Pr Praseodymium 140.908	60	Nd Neodymium 144.24
61	Pm Promethium 144.913	62	Sm Samarium 150.36
63	Eu Europium 151.966	64	Gd Gadolinium 157.25
65	Tb Terbium 158.925	66	Dy Dysprosium 162.50
67	Ho Holmium 164.930	68	Er Erbium 167.26
69	Tm Thulium 168.934	70	Yb Ytterbium 173.04
71	Lu Lutetium 174.967	89	Ac Actinium 227.028
90	Th Thorium 232.038	91	Pa Protactinium 231.036
92	U Uranium 238.029	93	Np Neptunium 237.048
94	Pu Plutonium 244.064	95	Am Americium 243.061
96	Cm Curium 247.070	97	Bk Berkelium 247.070
98	Cf Californium 251.080	99	Es Einsteinium [254]
100	Fm Fermium 257.095	101	Md Mendelevium 258.1
102	No Nobelium 259.101	103	Lr Lawrencium [262]

20	Ca Calcium 40.078	⇒ Atomic number
	⇒ Chemical Symbol	
	⇒ Element Name	
	⇒ Atomic Weight	