Nitrogen: limited availability for pH 4.0–5.5 and 10.0; greatest availability for pH 6.0–8.0.

Phosphorus: limited availability for pH 4.0–5.0; moderate availability for pH 5.5–6.0 and 8.0–8.5; greatest availability for pH 6.5–7.5 and 9.0–10.0.

Potassium: limited availability for pH 4.0–5.0 and 10.0; greatest availability for pH 5.5–9.5.

Calcium and magnesium: moderate availability for pH 4.0–5.0; greatest availability for pH 5.5–10.0.

Sulfur: limited availability for pH 4.0–5.0; greatest availability for pH 5.5–10.0.

Boron: limited availability for pH 4.0; moderate availability for pH 4.5 and 7.5–8.5; greatest availability for pH 5.0–7.0 and 9.0–10.0.

Copper and zinc: limited availability for pH 4.0–4.5 and 8.5–10.0; greatest availability for pH 5.0–8.0.

Molybdenum: limited availability for pH 4.0–5.5; moderate availability for pH 6.0; greatest availability for pH 6.5–10.0.

Iron and manganese: limited availability for pH 8.5–10.0; moderate availability for pH 7.5–8.0; greatest availability for pH 4.0–7.0.

Aluminum: limited availability for pH 5.5–10.0; moderate availability for pH 5.0; greatest availability for pH 4.0–4.5.