



IMMI Developments

Iron Mountain Mines, Inc.

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ARMAN MINES INSTITUTE SOIL RESTORATION INITIATIVES PROVIDES SOIL REMINERALIZATION TO FARMLAND AND URBAN AND SUBURBAN GARDENS

IRON MOUNTAIN MINES NATURAL ORGANIC ARTESIAN MINERALS ARE A MINING WASTE EXCLUDED FROM REGULATION UNDER THE BEVILLE ACT. FOR THE PURPOSE OF THE NATIONAL ORGANIC PROGRAM THEY ARE CONSIDERED OF LOW SOLUBILITY. IMMI IS THEREFORE EXEMPT FROM ANY LICENSE BY THE STATE OR FEDERAL GOVERNMENT FOR THE PURPOSE OF RESTORING SOIL FERTILITY & MINERALIZATION.

Mineral Fe. Iron comprises 5% of the earth's crust and is the fourth most abundant element in the lithosphere. Common primary and secondary iron minerals are olivene, siderite, hematite, goethite, magnetite, and limonite. Iron can be either concentrated or depleted during soil development; thus, iron concentrations in soil vary widely, from 0.7 to 55%. Most of the soil iron is found in primary minerals, clays, oxides, and hydroxides.

Calcium is absorbed by plants as Ca^{2+} from the soil solution and is supplied to the root surface by mass flow and root interception. Ca deficiency is uncommon but can occur in highly leached soils. In soils abundant in Ca^{2+} , excessive accumulation in the vicinity of roots can occur.

Sulfur is required for synthesis of the S-containing amino acids, which are essential components of protein. Approximately 90% of the sulfur in plants is found in these amino acids. Increasing sulfur availability increase sulfur content in leaves, which increases sulfur containing amino acids.

Title 7: Agriculture PART 205—NATIONAL ORGANIC PROGRAM Subpart C—Organic Production and Handling Requirements

§ 205.203 Soil fertility and crop nutrient management practice standard.

(d) A producer may manage crop nutrients and soil fertility to maintain or improve soil organic matter content in a manner that does not contribute to contamination of crops, soil, or water by plant nutrients, pathogenic organisms, heavy metals, or residues of prohibited substances by applying:

(1) A crop nutrient or soil amendment included on the National List of synthetic substances allowed for use in organic crop production;

(2) A mined substance of low solubility;

(3) A mined substance of high solubility: *Provided*, That, the substance is used in compliance with the conditions established on the National List of nonsynthetic materials prohibited for crop production;

**IRON MOUNTAIN MINES PIGMENTS OFFERS 72% GYPSUM 22% IRON OXIDES
WITH LESS THAN 1% ZINC AND SOME COPPER, MAGNESIUM, MANGANESE, & MOLYBDENUM**

**MINERAL EXPLORATION & MINE DEVELOPMENT * MINING * PROCESSING
PRODUCERS OF INDUSTRIAL AND AGRICULTURAL MINERALS**

www.ironmountainmine.com