DEPARTMENT OF AGRICULTURE

**AND RURAL DEVELOPMENT**

PESTICIDE AND PLANT PEST MANAGEMENT DIVISION

REGULATION NO. 634. COMMERCIAL FERTILIZERS

Filed with the secretary of state on

These rules take effect 7 days after filing with the secretary of state.

(~~By authority conferred on the director of agriculture by section 15 of Act No. 198 of the Public Acts of 1975, being S286.765 of the Michigan Compiled Laws~~ **By authority conferred on the director of the department of agriculture and rural development by section 8516 of the natural resources and environmental protection act, 1994 PA 451, MCL 324.8516)**

**R 285.634.1, R 285.634. 3, and R 285.634.7 of the Michigan Administrative Code are amended, and R 285.634.2 is rescinded, as follows:**

R 285.634.1 Fertilizers for agricultural crop production**; specialty fertilizers;**

 **micronutrient content.**

 Rule 1. ~~Additional plant nutrients, other than nitrogen, phosphorus, and potassium, claimed to be present in any form or manner in agricultural fertilizers, shall be guaranteed on the elemental basis at levels not less than the following:~~ **Plant nutrients in addition to nitrogen, phosphorus, and potassium when mentioned in any form or manner must be guaranteed. Guarantees must be made on the elemental basis. Sources of the elements guaranteed and proof of availability must be provided to the director upon request. Except guarantees for those water-soluble nutrients labeled for hydroponic or continuous liquid feed programs, and guarantees for potting soils and lawn soils, the minimum percentages that will be accepted for registration or licensing, or both, are as follows:**

|  |  |  |  |
| --- | --- | --- | --- |
| ~~Boron~~  | ~~0.125% minimum~~ | ~~Iron~~ | ~~0.10% minimum~~ |
| ~~Calcium~~ | ~~1.00% minimum~~ | ~~Molybdenum~~ | ~~0.04% minimum~~ |
| ~~Magnesium~~ | ~~1.00% minimum~~ | ~~Sulfur~~ | ~~1.00% minimum~~ |
| ~~Manganese~~ | ~~1.00% minimum~~ | ~~Zinc~~ | ~~0.50% minimum or as~~ |
| ~~Copper~~ | ~~0.50% minimum or as~~ |  | ~~a chelate at 0.125%~~ |
|  | ~~a chelate at 0.10%~~ |  |  |

|  |  |
| --- | --- |
| **Element** | **Percent** |
| **Calcium (Ca)** | **1.0000** |
| **Magnesium (Mg)** | **0.5000** |
| **Sulfur (S)** | **1.0000** |
| **Boron (B)** | **0.0200** |
| **Chlorine (Cl)** | **0.1000** |
| **Cobalt (Co)** | **0.0005** |
| **Copper (Cu)** | **0.0500** |
| **Iron (Fe)** | **0.1000** |
| **Manganese (Mn)** | **0.0500** |
| **Molybdenum (Mo)** | **0.0005** |
| **Sodium (Na)** | **0.1000** |
| **Zinc (Zn)** | **0.0500** |

R 285.634.2 ~~Specialty fertilizers; micronutrient content.~~ **Rescinded.**

 ~~Rule 2. Additional plant nutrients, other than nitrogen, phosphorus, and potassium, claimed to be present in any form or manner in specialty fertilizers, shall be guaranteed on the elemental basis at levels not less than the following:~~

|  |  |  |  |
| --- | --- | --- | --- |
| ~~Calcium~~ | ~~1.00%~~ | ~~Iron~~ | ~~0.10%~~ |
| ~~Magnesium~~ | ~~0.50%~~ | ~~Manganese~~ | ~~0.05%~~ |
| ~~Sulfur~~ | ~~1.00%~~ | ~~Molybdenum~~ | ~~0.0005%~~ |
| ~~Boron~~ | ~~0.02%~~ | ~~Zinc~~ | ~~0.05%~~ |
| ~~Copper~~ | ~~0.05%~~ | ~~Chlorine 0.10%~~ |  |

R 285.634.3 Placement of micronutrient guarantees on label.

 Rule 3. ~~Guarantees or claims for the additional plant nutrients listed in R 285.634.1 and R 285.634.2 are the only ones that will be accepted. Any of the elements guaranteed shall appear in the guaranteed analysis section of the label immediately following the guarantees for the primary nutrients of nitrogen, phosphorus, and potassium.~~ **Only the guarantees or claims for the plant nutrients listed in R 285.634.1 will be accepted. Proposed labels and directions for the use of the fertilizer must be furnished with the application for license or registration, or both, upon request. Any of the elements listed in R 285.634.1 that are guaranteed must appear in the order listed and must immediately follow guarantees for the primary nutrients of nitrogen, phosphorus, and potassium, if present.**

R 285.634.7 Tonnage reporting.

 Rule 7. Tonnage reports and fee payment ~~shall~~ **must** be on a form provided by the director of the department ~~of agriculture~~ and ~~shall~~ **must** be for the ~~semiannual periods of January 1 to June 30, and July 1 to December 31~~, ~~of each calendar year.~~ **annual period of January 1 to December 31.** The reports ~~shall~~ **must** cover all fertilizers, soil conditioners, and peat products sold for ~~soil~~ application in this state.