

**ARTICLE 33-32**  
**RULES INITIATED BY THE REGISTRATION DIVISION**

Chapter  
33-32-01            Fertilizer  
33-32-02            Commercial Feed

**CHAPTER 33-32-01**  
**FERTILIZER**

Section  
33-32-01-01       Guarantees for Micronutrients

**33-32-01-01. Guarantees for micronutrients.**

Additional plant nutrients, besides nitrogen, phosphorus, and potassium, when mentioned or claimed on the label or container shall be registered and shall be guaranteed. Guarantees shall be made on the elemental basis. Sources of the elements guaranteed shall be shown on the application for registration. When claims for such nutrients are made on the label, container, or application for registration, the minimum percentages which will be accepted for registration are as follows:

| Element         | Percent |
|-----------------|---------|
| Calcium (Ca)    | 1.00    |
| Magnesium (Mg)  | 0.50    |
| Sulfur (S)      | 1.00    |
| Boron (B)       | 0.02    |
| Chlorine (Cl)   | 0.10    |
| Cobalt (Co)     | 0.0005  |
| Copper (Cu)     | 0.05    |
| Iron (Fe)       | 0.10    |
| Manganese (Mn)  | 0.05    |
| Molybdenum (Mo) | 0.0005  |
| Sodium (Na)     | 0.10    |
| Zinc (Zn)       | 0.05    |

Guarantees or claims for the above-mentioned additional plant nutrients are the only ones which will be accepted. Proposed labels and directions for use of the fertilizer shall be furnished with the application for registration upon request. Warning or caution statements are required on the label for any product which contains three-hundredths percent or more of boron in a water-soluble form or one-thousandth percent or more of molybdenum. Any of the above-listed elements which are guaranteed shall appear in the order listed, immediately following guarantees for the primary nutrients, nitrogen, phosphorus, and potassium.

**History:** Effective August 1, 1988.

**General Authority:** NDCC 19-20.1-12, 23-01-03(3)

**Law Implemented:** NDCC 19-20.1-12