

# **ARTICLE 7-15** **FERTILIZER REGULATION**

Chapter  
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## **CHAPTER 7-15-01** **INVESTIGATIONAL ALLOWANCES**

Section  
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### **7-15-01-01. Fertilizer investigational allowances.**

A fertilizer must be deemed deficient if the analysis of any nutrient is below the guarantee by an amount exceeding the values in the following schedule, or if the overall index value of the fertilizer is below 98 percent.

Guarantee, Percent	Nitrogen (N)	Available Phosphate (P <sub>2</sub> O <sub>5</sub> )	Sol. Potash (K <sub>2</sub> O)
	Investigational Allowance, Percent		
04 or less	0.49	0.67	0.41
05	0.51	0.67	0.43
06	0.52	0.67	0.47
07	0.54	0.68	0.53
08	0.55	0.68	0.60
09	0.57	0.68	0.65
10	0.58	0.69	0.70
12	0.61	0.69	0.79
14	0.63	0.70	0.87
16	0.67	0.70	0.94
18	0.70	0.71	1.01
20	0.73	0.72	1.08
22	0.75	0.72	1.15
24	0.78	0.73	1.21
26	0.81	0.73	1.27
28	0.83	0.74	1.33
30	0.86	0.75	1.39
32	0.88	0.76	1.44
34	0.88	0.79	1.46
36	0.88	0.83	1.49

38	0.88	0.86	1.51
40	0.88	0.90	1.54
42	0.88	0.93	1.56
44	0.88	0.96	1.58
46	0.88	1.00	1.61
48	0.88	1.03	1.63
50	0.88	1.07	1.66
52	0.88	1.10	1.68
54	0.88	1.10	1.70
56	0.88	1.10	1.73
58	0.88	1.10	1.75
60	0.88	1.10	1.78
62	0.88	1.10	1.80

The investigational allowance for triple superphosphate, also known as calcium dihydrogen phosphate or monocalcium phosphate, is 1.53 percent.

For these investigational allowances to be applicable, the recommended AOAC International procedures for obtaining, preparing, and analyzing samples must be used.

**History:** Effective October 1, 2014.

**General Authority:** NDCC 4.1-40-11

**Law Implemented:** NDCC 4.1-40

#### **7-15-01-02. Micronutrient investigational allowance.**

Micronutrients shall be deemed deficient if the analysis of any element is below the guarantee by an amount exceeding the values calculated according to the following schedule:

<b>Element</b>	<b>Investigational Allowance</b>
Calcium	0.2 unit + 5% of guarantee
Magnesium	0.2 unit + 5% of guarantee
Sulfur	0.2 unit + 5% of guarantee
Boron	0.003 unit + 15% of guarantee
Cobalt	0.0001 unit + 30% of guarantee
Chlorine	0.005 unit + 10% of guarantee
Copper	0.005 unit + 10% of guarantee
Iron	0.005 unit + 10% of guarantee
Manganese	0.005 unit + 10% of guarantee
Molybdenum	0.0001 unit + 30% of guarantee
Sodium	0.005 unit + 10% of guarantee
Zinc	0.005 unit + 10% of guarantee

The maximum allowance when calculated in accordance with the above shall be one unit (one percentage point).
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For these investigational allowances to be applicable, the recommended AOAC International procedures for obtaining, preparing, and analyzing samples must be used.

**History:** Effective October 1, 2014.

**General Authority:** NDCC 4.1-40-11

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