

**Agricultural Marketing Service, USDA**

**§ 201.61**

average particle-weight ratio is 1.5:1 to 20:1 and beyond:

The symbols used in the formula are as follows:

- T = tolerance being calculated.
- A = percent which the weight of the component with the heavier average particle-weight is of the weight of both components.
- B = percent which the weight of the component with the lighter average particle-weight is of the weight of both components.

H = average particle-weight for the component with the heavier average particle-weight.

L = average particle-weight for the component with the lighter average particle-weight.

R = ratio of the average particle-weight for the component with the heavier average particle-weight to the average particle-weight for the component with the lighter average particle-weight. R = H / L.

$$T = A - \frac{100 R [(100 A / R) / (B + A / R) - T1]}{[(100 B) / (B + A / R) + T1] + R [(100 A / R) / (B + A / R) - T1]}$$

T1 = regular tolerance for the kind of seed (chaffy or nonchaffy) and for (100B)/(B + A/R).

In determining the values for A and B in the formula, the sample shall be regarded as composed of two parts:

(1) The kind, type, or variety under consideration, and

(2) All other components. Values for H and L shall be obtained from the last column of Table 1, § 201.46, or by laboratory tests for inert matter, weed seeds, or crop seeds where such values are not obtainable from Table 1. In computing tolerances for nonchaffy kinds the values for T1 are taken from column C of Table 3, and for chaffy kinds the values for T1 are taken from column D of Table 3.

[26 FR 10036, Oct. 26, 1961, as amended at 59 FR 64515, Dec. 14, 1994; 65 FR 1709, Jan. 11, 2000]

**§ 201.61 Fluorescence percentages in ryegrasses.**

Tolerances for 400-seed fluorescence tests shall be those set forth in the following table plus one-half the regular pure-seed tolerance determined in accordance with § 201.60. When only 200 seeds of a component in a mixture are tested, an additional 2 percent shall be added to the fluorescence tolerance.

PERCENT FOUND FLUORESCENCE TOLERANCE	
100.	
99 .....	1.0
98 .....	1.6

PERCENT FOUND FLUORESCENCE TOLERANCE—  
Continued

97 .....	2.0
96 .....	2.3
95 .....	2.6
94 .....	2.9
93 .....	3.2
92 .....	3.4
91 .....	3.6
90 .....	3.8
89 .....	4.0
88 .....	4.1
87 .....	4.3
86 .....	4.5
85 .....	4.7
84 .....	4.8
83 .....	4.9
82 .....	5.0
81 .....	5.2
80 .....	5.3
79 .....	5.4
78 .....	5.5
77 .....	5.6
76 .....	5.7
75 .....	5.8
74 .....	5.8
73 .....	5.9
72 .....	6.0
71 .....	6.1
70 .....	6.2
69 .....	6.2
68 .....	6.3
67 .....	6.3
66 .....	6.4
65 .....	6.5
64 .....	6.5
63 .....	6.5
62 .....	6.6
61 .....	6.6
60 .....	6.7
59 .....	6.7
58 .....	6.8
57 .....	6.8
56 .....	6.8
55 .....	6.8
54 .....	6.9
53 .....	6.9
52 .....	6.9

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PERCENT FOUND FLUORESCENCE TOLERANCE—  
Continued

51	6.9
50	6.9
49	6.9
48	6.9
47	6.9
46	6.9
45	6.9
44	6.9
43	6.9
42	6.9
41	6.9
40	6.9
39	6.8
38	6.8
37	6.8
36	6.8
35	6.7
34	6.7
33	6.7
32	6.6
31	6.6
30	6.5
29	6.5
28	6.4
27	6.4
26	6.3
25	6.2
24	6.2
23	6.1
22	6.0
21	5.9
20	5.8
19	5.7
18	5.6
17	5.5
16	5.4
15	5.3
14	5.2

PERCENT FOUND FLUORESCENCE TOLERANCE—  
Continued

13	5.0
12	4.9
11	4.7
10	4.6
9	4.4
8	4.2
7	4.0
6	3.7
5	3.5
4	3.2
3	2.8
2	2.4
1	1.8
0	1.0

[32 FR 12781, Sept. 6, 1967, as amended at 59 FR 64516, Dec. 14, 1994]

**§ 201.62 Tests for determination of percentages of kind, variety, type, hybrid, or offtype.**

Tolerances for tests for determination of percentages of kind, variety, type, hybrid, or offtype shall be those set forth in the following table, added to one-half the required pure seed tolerances determined in accordance with §201.60, except that one-half the pure seed tolerance will not be applied in determining tolerances for hybrids labeled on the basis of the percentage of pure seed which is hybrid.

TABLE 4—TOLERANCES FOR PURITY TESTS, WHEN RESULTS ARE BASED ON 10 TO 1,000 SEEDS, SEEDLINGS, OR PLANTS USED IN A TEST

Seed, seedling, or plant count percent	Number of seeds, seedlings, or plants in tests										
	10	20	30	50	75	100	150	200	400	800	1,000
100 or 0	0	0	0	0	0	0	0	0	0	0	0
98 or 2	10.3	7.3	6.0	4.6	3.8	3.3	2.7	2.3	1.6	1.2	1.0
96 or 4	14.4	10.2	8.3	6.4	5.3	4.6	3.7	3.2	2.3	1.7	1.5
94 or 6	17.5	12.4	10.1	7.8	6.4	5.5	4.5	3.9	2.9	2.1	1.9
92 or 8	20.0	14.1	11.5	8.9	7.3	6.3	5.2	4.5	3.4	2.4	2.2
90 or 10	22.1	15.7	12.8	9.9	8.1	7.0	5.7	4.9	3.8	2.8	2.4
88 or 12	24.0	17.0	13.8	10.7	8.7	7.6	6.2	5.4	4.1	3.0	2.7
86 or 14	25.7	18.1	14.7	11.4	9.3	8.1	6.6	5.7	4.5	3.2	2.9
84 or 16	26.9	19.0	15.5	12.1	9.8	8.5	7.0	6.0	4.8	3.4	3.0
82 or 18	28.2	20.0	16.4	12.6	10.3	8.9	7.3	6.3	5.0	3.6	3.2
80 or 20	29.5	20.9	16.9	13.2	10.7	9.3	7.6	6.6	5.3	3.8	3.3
78 or 22	30.5	21.6	17.6	13.6	11.0	9.6	7.9	6.8	5.5	3.9	3.5
76 or 24	31.4	22.3	18.2	14.1	11.5	9.9	8.1	7.0	5.7	4.1	3.6
74 or 26	32.3	22.8	18.6	14.4	11.8	10.2	8.3	7.2	5.8	4.2	3.7
72 or 28	33.0	23.4	19.0	14.8	12.1	10.5	8.5	7.4	6.0	4.3	3.8
70 or 30	33.7	23.8	19.5	15.1	12.3	10.7	8.7	7.5	6.2	4.4	3.9
68 or 32	34.3	24.3	19.9	15.4	12.5	10.8	8.9	7.7	6.3	4.5	4.0
66 or 34	35.0	24.7	20.2	15.7	12.7	11.0	9.0	7.8	6.4	4.6	4.0
64 or 36	35.4	25.0	20.5	15.8	12.9	11.2	9.1	7.9	6.5	4.6	4.1
62 or 38	35.5	25.4	20.6	15.9	13.0	11.3	9.2	8.0	6.6	4.7	4.2
60 or 40	36.1	25.7	20.9	16.1	13.2	11.4	9.3	8.1	6.7	4.8	4.2
58 or 42	36.2	25.7	21.0	16.2	13.3	11.5	9.4	8.1	6.8	4.8	4.2
56 or 44	36.5	25.8	21.0	16.4	13.3	11.5	9.4	8.2	6.8	4.8	4.3
54 or 46	36.8	25.8	21.2	16.4	13.4	11.6	9.5	8.2	6.9	4.9	4.3
52 or 48	36.8	25.9	21.2	16.5	13.4	11.6	9.5	8.2	6.9	4.9	4.3
50	36.8	25.9	21.3	16.5	13.4	11.6	9.5	8.2	6.9	4.9	4.3