

THIS DATA CURRENT AS OF THE FEDERAL REGISTER DATED FEBRUARY 4, 2003

7 CFR - CHAPTER I - PART 201

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**§ 201.46 Weight of working sample.**

- (a) *Unmixed seed.* The working samples for purity analysis and noxiousweed seed examination of unmixed seed shall be at least the weights set forth in table 1.
- (b) *Mixtures consisting of one predominant kind of seed or a group of kinds of similar size.* The weights of the purity and noxious-weed seed working samples in this category shall be determined by the kind or group of kinds which compromise more than 50 percent of the sample.
- (c) *Mixtures consisting of two or more kinds or groups of kinds of different sizes, none of which comprise over 50 percent of the sample.* The weights of the purity working samples in this category shall be the weighted averages (to the nearest half gram) of the weights listed in table 1 for each of the kinds which comprise the sample determined by the following method: (1) Multiply the percentage of each component in the mixture (rounded off to the nearest whole number) by the sample sizes specified in column 2, table 1, (2) add all these products, (3) total the percentages of all components of the mixtures, and (4) divide the sum in paragraph (c)(2) of this section by the total in paragraph (c)(3) of this section. If the approximate percentage of the components of a mixture are not known they may be estimated. The weight of the noxious-weed seed working sample shall be determined by multiplying the weight of the purity working sample by 10 or by calculating the weighted average in the same manner described above for the purity working sample.
- (d) Coated seed.
- (1) Unmixed coated seed. Due to variation in the weight of coating materials, the size or weight of the working sample shall be determined separately for each lot. The weight of the working sample shall be determined by weighing 100 completely coated units and calculating the weight of 2,500 coated units for the purity analysis and 25,000 coated units for the noxious-weed seed examination.
- (2) Mixtures of coated seed. The working weight shall be determined in the following manner:

(i) Calculate the weight of the working sample to be used for the mixture under consideration as though the sample were not coated by following paragraph (b) or (c) of this section.

(ii) Determine the amount of coating material on 100 coated units by weighing the coated units. Remove the coating material using the methods described in §§ 201.51b (c) and (d). Calculate the percentage of coating material using the following formulas:

Weight of coating material = weight of 100 coated units – weight of 100 de-coated units;

The percentage of coating material = weight of the coating material divided by the weight of 100 coated units × 100%.

(iii) The weight of the working sample shall be the product of the weight calculated in paragraph (d)(2)(i) of this section multiplied by 100 percent, divided by 100 percent minus the percentage of coating material calculated in paragraph (d)(2)(ii) of this section.

Table 1\_Weight of Working Sample

Name of seed	Minimum weight for purity analysis (grams)	Minimum weight for noxious-weed seed examination (grams)	Approximate number of seeds per gram
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Agricultural Seed			
Agrotricum.....	65	500	39
Alfalfa.....	5	50	500
Alfilaria.....	5	50	440
Alyceclover.....	5	50	665
Bahiagrass:			
Var. Pensacola.....	5	50	600
All other vars.....	7	50	365
Barley.....	100	500	30
Barrelclover.....	10	100	250
Bean:			
Adzuki.....	200	500	11
Field.....	500	500	4
Mung.....	100	500	24
Beet, field.....	50	500	55
Beet, sugar.....	50	500	55
Beggarweed, Florida.....	5	50	440
Bentgrass:			
Colonial.....	0.25	2.5	13,000
Creeping.....	0.25	2.5	13,515
Velvet.....	0.25	2.5	18,180
Bermudagrass.....	1	10	3,930
Bermudagrass, giant.....	1	10	2,950
Bluegrass:			
Annual.....	1	10	2,635
Bulbous.....	4	40	585
Canada.....	0.5	5	5,050
Glaucantha.....	1	10	.....
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Kentucky.....	1	10	3,060
Nevada.....	1	10	2,305
Rough.....	0.5	5	4,610
Texas.....	1	10	2,500
Wood.....	0.5	5	4,330
Bluejoint.....	0.5	5	8,461
Bluestem:			
Big.....	7	70	320
Little.....	5	50	525
Sand.....	10	100	215
Yellow.....	1	10	1,945
Bottlebrush-squirreltail.....	9	90	300
Brome:			
Field.....	5	50	465
Meadow.....	13	130	190
Mountain.....	20	200	140
Smooth.....	7	70	315
Broomcorn.....	40	400	60
Buckwheat.....	50	500	45
Buffalograss:			
(Burs).....	20	200	110
(Caryopses).....	3	30	740
Buffelgrass:			
(Fascicles).....	6	66	365
(Caryopses).....	2	20	1,940
Burclover, California:			
(in bur).....	50	500	.....
(out of bur).....	7	70	375
Burclover, spotted			
(in bur).....	50	500	50
(out of bur).....	5	50	550
Burnet, little.....	25	250	110
Buttonclover.....	7	70	365
Canarygrass.....	20	200	150
Canarygrass, reed.....	2	20	1,185
Carpetgrass.....	1	10	2,230
Castorbean.....	500	500	5
Chess, soft.....	5	50	555
Chickpea.....	500	500	2
Clover:			
Alsike.....	2	20	1,500
Arrowleaf.....	4	40	705
Berseem.....	5	50	455
Cluster.....	1	10	2,925
Crimson.....	10	100	330
Kenya.....	2	20	
Ladino.....	2	20	1,935
Lappa.....	2	20	1,500
Large hop.....	1	10	5,435
Persian.....	2	20	1,415
Red.....	5	50	600
Rose.....	7	70	360
Small hop.....	2	20	1,950
Strawberry.....	5	50	635
Sub.....	25	250	120
White.....	2	20	1,500
Corn:			

Field.....	500	500	3
Pop.....	500	500	3
Cotton.....	300	500	8
Cowpea.....	300	500	8
Crambe.....	25	250	.....
Crested dogtail.....	2	20	1,900
Crotalaria:			
Lance.....	7	70	375
Showy.....	25	250	80
Slenderleaf.....	10	100	205
Striped.....	10	100	215
Sunn.....	75	500	35
Crownvetch.....	10	100	305
Dallisgrass.....	4	40	620
Dichondra.....	5	50	470
Dropseed, sand.....	0.25	2.5	12,345
Emmer.....	100	500	25
Fescue:			
Chewings.....	3	30	900
Hair.....	1	10	.....
Hard.....	2	20	1,305
Meadow.....	5	50	495
Red.....	3	30	900
Sheep.....	2	20	1,165
Tall.....	5	50	455
Flatpea.....	100	500	25
Flax.....	15	150	180
Foxtail, creeping.....	1.5	15	1,736
Foxtail, meadow.....	3	30	893
Galletagrass:			
(Other than caryopses).....	10	100	260
(Caryopses).....	5	50	580
Gramma:			
Blue.....	2	20	1,595
Side-oats:			
(Other than caryopses).....	6	60	350
(Caryopses).....	2	20	1,605
Guar.....	75	500	35
Guineagrass.....	2	20	2,205
Hardinggrass.....	3	30	750
Hemp.....	50	500	45
Indiangrass, yellow.....	7	70	395
Indigo, hairy.....	7	70	435
Japanese lawngrass.....	2	20	1,325
Johnsongrass.....	10	100	265
Kenaf.....	50	500	.....
Kochia, forage.....	2	20	1,070
Kudzu.....	25	250	80
Lentil.....	120	500	14-23
Lespedeza:			
Korean.....	5	50	525
Sericea.....	3	30	820
Siberian.....	3	30	820
Striate.....	5	50	750
Lovegrass, sand.....	1	10	3,585
Lovegrass, weeping.....	1	10	3,270
Lupine:			

Blue.....	500	500	7
White.....	500	500	7
Yellow.....	300	500	9
Manilagrass.....	2	20	.....
Medic, black.....	5	50	585
Milkvetch.....	9	90	270
Millet:			
Browntop.....	8	80	315
Foxtail.....	5	50	480
Japanese.....	9	90	315
Pearl.....	15	150	180
Proso.....	15	150	185
Molassesgrass.....	0.5	5	7,750
Mustard:			
Black.....	2	20	1,255
India.....	5	50	625
White.....	15	150	160
Napiergrass.....	5	50	.....
Needlegrass, green.....	7	70	370
Oat.....	75	500	35-50
Oatgrass, tall.....	6	60	417
Orchardgrass.....	3	30	945
Panicgrass, blue.....	2	20	1,370
Panicgrass, green.....	2	20	1,305
Pea, field.....	500	500	4
Peanut.....	500	500	1-3
Rape:			
Annual.....	7	70	345
Bird.....	7	70	425
Turnip.....	5	50	535
Winter.....	10	100	230
Redtop.....	0.25	2.5	10,695
Rescuegrass.....	20	200	115
Rhodesgrass.....	1	10	4,725
Rice.....	50	500	65
Ricegrass, Indian.....	7	70	355
Roughpea.....	75	500	40
Rye.....	75	500	40
Rye, mountain.....	28	280	90
Ryegrass:			
Annual.....	5	50	420
Intermediate.....	8	80	338
Perennial.....	5	50	530
Wimmera.....	5	50	.....
Safflower.....	100	500	30
Sagewort, Louisiana.....	0.5	5	8,900
Sainfoin.....	50	500	50
Saltbush, fourwing.....	15	150	165
Sesame.....	7	70	360
Sesbania.....	25	250	105
Smilo.....	2	20	2,010
Sorghum.....	50	500	55
Sorghum alnum.....	15	150	150
Sorghum-sudangrass.....	65	500	38
Sorghgrass [SU]1[/SU].....	15	150	135
Sourclover.....	5	50	660
Soybean.....	500	500	6-13

Spelt.....	100	500	25
Sudangrass.....	25	250	100
Sunflower.....	100	500	.....
Sweetclover:			
White.....	5	50	570
Yellow.....	5	50	570
Sweet vernalgrass.....	2	20	1,600
Sweetvetch, northern.....	19	190	130
Switchgrass.....	4	40	570
Timothy.....	1	10	2,565
Timothy, turf.....	1	10	2,565
Tobacco.....	0.5	5	15,625
Trefoil:			
Big.....	2	20	1,945
Birdsfoot.....	3	30	815
Triticale.....	100	500	.....
Vaseygrass.....	3	30	970
Veldtgrass.....	4	40	655
Velvetbean.....	500	500	2
Velvetgrass.....	1	10	3,360
Vetch:			
Common.....	150	500	19
Hairy.....	75	500	35
Hungarian.....	100	500	24
Monantha.....	100	500	.....
Narrowleaf.....	50	500	60
Purple.....	100	500	22
Woollypod.....	100	500	25
Wheat:			
Common.....	100	500	25
Club.....	100	500	25
Durum.....	100	500	25
Polish.....	100	500	25
Poulard.....	100	500	25
WheatxAgrotricum.....	65	500	38
Wheatgrass:			
Beardless.....	8	80	275
Fairway crested.....	4	40	685
Standard crested.....	5	50	425
Intermediate.....	15	150	175
Pubescent.....	15	150	180
Siberian.....	5	50	.....
Slender.....	7	70	295
Streambank.....	10	50	370
Tall.....	15	150	165
Western.....	10	100	250
Wildrye:			
Basin.....	8	80	317
Canada.....	11	110	190
Russian.....	6	60	360
Vegetable Seed			
Artichoke.....	100	500	24
Asparagus.....	100	500	25
Asparagusbean.....	300	500	8
Bean:			
Garden.....	500	500	4
Lima.....	500	500	2

Runner.....	500	500	1
Beet.....	50	300	60
Broadbean.....	500	500	.....
Broccoli.....	10	50	315
Brussels sprouts.....	10	50	315
Burdock, great.....	15	150	.....
Cabbage.....	10	50	315
Cabbage, Chinese.....	5	50	635
Cabbage, tronchuda.....	10	100	.....
Cardoon.....	100	500	.....
Carrot.....	3	50	825
Cauliflower.....	10	50	315
Celeriac.....	1	25	2,520
Celery.....	1	25	2,520
Chard, Swiss.....	50	300	60
Chicory.....	3	50	940
Chives.....	5	50	.....
Citron.....	200	500	11
Collards.....	10	50	315
Corn, sweet.....	500	500	.....
Cornsalad:			
Vars. Fullhearted and Dark Green Fullhearted.....	5	50	.....
All other vars.....	10	50	380
Cowpea.....	300	500	8
Cress:			
Garden.....	5	50	425
Upland.....	2	35	1,160
Water.....	1	25	5,170
Cucumber.....	75	500	40
Dandelion.....	2	35	1,240
Dill.....	3	50	800
Eggplant.....	10	50	230
Endive.....	3	50	940
Gherkin, West India.....	16	160	153
Kale.....	10	50	315
Kale, Chinese.....	10	50	.....
Kale, Siberian.....	8	80	325
Kohlrabi.....	10	50	315
Leek.....	7	50	395
Lettuce.....	3	50	890
Melon.....	50	500	45
Mustard, India.....	5	50	625
Mustard, spinach.....	5	50	535
Okra.....	100	500	19
Onion.....	7	50	340
Onion, Welsh.....	10	50	.....
Pak-choi.....	5	50	635
Parsley.....	5	50	650
Parsnip.....	5	50	430
Pea.....	500	500	3
Pepper.....	15	150	165
Pumpkin.....	500	500	5
Radish.....	30	300	75
Rhubarb.....	50	300	60
Rutabaga.....	5	50	430
Sage.....	25	150	120

Salsify.....	50	300	65
Savory, summer.....	2	35	1,750
Sorrel.....	2	35	1,080
Soybean.....	500	500	6-13
Spinach.....	25	150	100
Spinach, New Zealand.....	200	500	13
Squash.....	200	500	14
Tomato.....	5	50	405
Tomato, husk.....	2	35	1,240
Turnip.....	5	50	535
Watermelon.....	200	500	11

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[SU]1[/SU] Rhizomatous derivatives of a johnsongrassxsorghum cross or a johnsongrassxsudangrass cross.

[25 FR 8769, Sept. 13, 1960, and 30 FR 7888, June 18, 1965, as amended at 32 FR 12780, Sept. 6, 1967; 35 FR 6108, Apr. 15, 1970; 41 FR 20156, May 17, 1976; 46 FR 53635, Oct. 29, 1981; 59 FR 64492, Dec. 14, 1994; 65 FR 1707, Jan. 11, 2000]

