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LEGAL WEIGHTS PER BUSHEL
FOR VARIOUS COMMODITIES

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PREFACE

One of the functions of the National Bureau of Standards is to disseminate weights and measures information. The frequent requests received by the Bureau for information relative to the bushel weights established by State statutes for fruits, vegetables, and other dry commodities have prompted a revision of the material formerly published by the Bureau on this subject and the publication of this revised material in the present Circular. This Circular supersedes the fourth edition of Circular C10, issued in 1924, and the bushel lists published in the appendix to the third edition of NBS Miscellaneous Publication M20, issued in 1926.

LYMAN J. BRIGGS, *Director.*

LEGAL WEIGHTS PER BUSHEL FOR VARIOUS COMMODITIES^{1 2}

ABSTRACT

A brief analysis of the character of the bushel-weight statutes of the several States, including a separation of the States into five groups according to the provisions of their laws, followed by a tabulation of all the bushel weights established by State and Federal law according to the latest available information.

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I. INTRODUCTION

Notwithstanding the strong trend in recent years toward the sale of dry commodities on a weight basis, the National Bureau of Standards continues to receive many requests for information on the bushel weights established by Federal and State laws. The primary purpose of this circular is to present that information. There are also included some general facts relative to provisions of Federal and State laws which have a direct bearing upon the subject of legal bushel weights.

II. FEDERAL LEGISLATION

The United States standard bushel has a capacity of 2150.42 cubic inches and forms the basis for the measurements of the Federal Standard Container Acts of 1916 and 1928. The containers established by these Federal acts are further based upon the principle of struck measure, and their standardization has been effected primarily to facilitate the shipment of fruits and vegetables.

The Federal Standard Container Act of 1928 is intrastate in its application. The solicitor of the United States Department of Agriculture has expressed the opinion that this Act, in establishing the capacity of a bushel as 2150.42 cubic inches [sec. 1] makes inoperative all State laws establishing weights per bushel so far as they affect fruits and vegetables packed in the containers standardized by that Act.

¹ Compiled by Ralph W. Smith.

² This circular supersedes all editions of Circular 10 and the bushel lists published in the appendix to Miscellaneous Publication M20, third edition, 1926.

Bushel weights have been fixed by Federal law for only a few commodities and only for customs purposes. In this connection, the heaped bushel was recognized in a decision of the Court of Customs Appeals in February 1912, at which time the court decided that a heaped bushel contained 2747.715 cubic inches.

III. STATE LEGISLATION

The standard bushel is recognized by all the States as having a capacity of 2150.42 cubic inches. Among the States there are, however, numerous requirements affecting the sale of commodities by the bushel, ranging from a prohibition of the use of any dry measures in determining amounts of commodities sold, to the establishment of special "heaped bushels" for specific commodities. The most common enactments along this line are the legal weights per bushel for various commodities; a striking characteristic of these lists is the lack of uniformity among the States in the bushel weights established.

In some of the State enactments dealing with the sale of fruits and vegetables, these commodities when packed in original standard containers are specifically exempted from the bushel-weight requirements which would otherwise embrace such packages. The application to other commercial transactions of the weights per bushel fixed by State law is defined by the language of the statute and differs among the States; these requirements are broadly grouped below, and for each group there are named the States, the laws of which conform in general to that group. So that each State may be classified, two groups of States having no weight-per-bushel lists are also included.

Group 1. BUSHEL WEIGHTS FIXED—QUANTITIES TO BE DETERMINED BY WEIGHING

The general requirements are that the legal weights per bushel shall be observed and that quantities shall be determined by weighing. Departure from these requirements is permitted by "special agreement" in six States and by "written agreement" in one State. [Alabama, Idaho, Iowa, Kansas, Michigan, Nebraska, Nevada, South Dakota, Wisconsin.]

Group 2. BUSHEL WEIGHTS FIXED—ESTABLISHED WEIGHTS TO BE DELIVERED

The general requirements are that the bushel "shall weigh" or "shall consist of" the stated number of pounds; but the statutes are silent as to the method of quantity determination, and so long as the proper weight is delivered the legal demands are met. Departure from established bushel weights is permitted by "special agreement" in eight States. [California, Connecticut, Delaware, Florida, Illinois, Minnesota, Missouri, Montana, New Hampshire, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, South Carolina, Tennessee, Texas, Vermont, West Virginia, Wyoming.]

Group 3. BUSHEL WEIGHTS FIXED

In this group "legal" or "standard" weights per bushel are established, but in most cases the statute is not specific to the effect that the established weight shall be delivered; the practical effect of these requirements is probably not essentially different from the effect of the requirements of group 2, except in one State in which the weights are

limited to apply when the commodities are "sold by weight," and in one State which specifically permits sales by measure of commodities named in the bushel list. [Arkansas, Colorado, Georgia, Kentucky, Louisiana, Maine, Maryland, Mississippi, North Carolina, Rhode Island.]

Group 4. NO BUSHEL WEIGHTS FIXED—DRY COMMODITIES TO BE SOLD BY WEIGHT

The characteristic of this group is the elimination of the "bushel," commodities which might otherwise be sold by the bushel being required to be sold by weight or by count or by the bunch. The use of dry measures is specifically forbidden in four States (indicated by italics below). In one State listed below, notwithstanding the requirement for sale by weight, it is not certain that the bushel list has been repealed, but this State is included here because of the enforcement of the sale-by-weight requirement. [*District of Columbia, Indiana, Massachusetts, New Jersey, New York, Oregon, Utah, Virginia.*]

Group 5. NO BUSHEL WEIGHTS FIXED—NO REQUIREMENTS AS TO SALE BY WEIGHT

The States of Arizona and Washington have no statutes fixing bushel weights or requiring that dry commodities be sold by weight.

Relative to the values of the legal bushel weights it may be said that it is obvious in the case of some commodities that the established weight was not intended to represent a measured bushel. For example, the most common weight for corn in the ear is 70 pounds per bushel; this was probably intended as the amount of ear corn which, when shelled, would measure one struck bushel. In the case of other commodities, notably bulky vegetables and fruits, it is equally obvious that the legal weight approximates the heaped rather than the struck measured bushel.

IV. LEGAL BUSHEL WEIGHTS

In tables 1 and 2 which follow, all available data on the values of legal bushel weights in the United States are tabulated in form convenient for reference. Footnotes are frequently of importance in defining specifically the commodity for which a weight is given or in giving additional data, and these should be consulted whenever references are encountered.

TABLE 1.—*Commodities for which bushel weights have been established in not more than four States*

Beans: ³

Lima, in pod, 28 pounds (Connecticut).

Pole, Scarlet Runner, 50 pounds (West Virginia).

Pole, White Runner, 50 pounds (North Dakota).

Pole, Scarlet or White Runner, 50 pounds (Maine and Minnesota).

Shell, 28 pounds (Maine).

Velvet, shelled, 60 pounds (Alabama).

Beet Greens, 12 pounds (Connecticut, Maine, New Hampshire, and Vermont).

Eggarweed Seed, 62 pounds (Florida).

Black Medic, cleaned, 56 pounds (Alabama).

Blueberries, 42 pounds (Maine).

Bromus Inermus, 14 pounds (Iowa, Nebraska, North Dakota, and South Dakota).

Butternuts, dried, 28 pounds, green, 56 pounds (Vermont).

³ See also table 2.

Cane Seed, 50 pounds (Kansas and South Carolina).
 Cantaloupe Melon, 50 pounds (North Carolina, South Carolina, and Tennessee).

TABLE 1.—*Commodities for which bushel weights have been established in not more than four States—Continued*

Chufas, 54 pounds (Florida).
 Coal: ¹
 Bituminous, 60 pounds (Michigan); 80 pounds (Ohio and Pennsylvania).
 Culm, 76 pounds (Maryland).
 Corn: ¹
 Cracked, 50 pounds (Maine, New Hampshire, and West Virginia); 56 pounds (Federal Statutes).
 Rice, 56 pounds (Idaho, Nevada, and Wyoming); shelled, 56 pounds, unshelled, 45 pounds (West Virginia).
 Cowpeas, 60 pounds (Maryland and Virginia).
 Currants, 40 pounds (Maine, Pennsylvania, South Carolina, and West Virginia).
 Dandelions, 12 pounds (Connecticut, Maine, New Hampshire, and Vermont).
 Feed, 50 pounds (Maine).
 Feterita, 56 pounds (Kansas).
 Grapefruit, 48 pounds (Iowa); 56 pounds (Vermont).
 Grass Seed ²
 Bermuda, 14 pounds (North Carolina); 40 pounds (New Mexico and Oklahoma).
 Carpet, 25 pounds (Alabama).
 Italian Rye, 20 pounds (Alabama, North Carolina, South Carolina, and Tennessee).
 Johnson, 25 pounds (Alabama and North Carolina); 28 pounds (Arkansas).
 Meadow and Fescue, all except tall, 14 pounds, tall, 24 pounds (North Carolina).
 Perennial Rye, 14 pounds (North Carolina).
 Rye, 22 pounds (Nebraska).
 Sudan, No. 1, 32 pounds, No. 2, 30 pounds, No. 3, 28 pounds (Texas); 40 pounds (Kansas).
 Velvet, 7 pounds (Alabama, North Carolina, South Carolina, and Tennessee).
 Guavas, 54 pounds (Florida).
 India Wheat, 46 pounds (Vermont). [This is a species of buckwheat.]
 Land Plaster, 100 pounds (Alabama, North Carolina, South Carolina, and Tennessee).
 Lemons, 48 pounds (Iowa).
 Lentils, 60 pounds (Pennsylvania).
 Mangelwurzel, 60 pounds (Connecticut and Maine).
 Meal, except oatmeal, 50 pounds (Maine).
 Melilotus Seed, cleaned, 60 pounds (Alabama).
 Middlings, coarse, 30 pounds (Indiana).
 Milo Maize, 50 pounds (Texas); 56 pounds (Kansas).
 Mustard Seed, 58 pounds (North Carolina).
 Oranges, 46 pounds (Wisconsin); 48 pounds (Iowa); 50 pounds (Vermont).
 Parsley, 8 pounds (Connecticut, Maine, New Hampshire, and Vermont).
 Peach Seed, 50 pounds (North Carolina).
 Peas: ¹
 Black-Eye and other Cowpeas, 60 pounds (Virginia).
 Cowpeas, 60 pounds (Maryland).
 Split, 60 pounds (Missouri, Oklahoma, and Rhode Island).
 Wrinkled, 56 pounds (Maine, Minnesota, West Virginia, and Wisconsin).
 Peppers, 24 pounds (Connecticut).
 Radish Seed, 50 pounds (Iowa and South Dakota).
 Root Crops, not otherwise specified, 50 pounds (Iowa, Nebraska, and South Dakota).
 Sage, 4 pounds (Alabama, North Carolina, South Carolina, and Tennessee).
 Salads (mustard, spinach, kale, and turnips), 10 pounds (North Carolina); 12 pounds (South Carolina); 30 pounds (Alabama and Tennessee).
 Sunflower Seed, 24 pounds (North Carolina).
 Teosinte, 59 pounds (North Carolina).
 Turnip Seed, 50 pounds (Montana).

¹ See also table 2.

² Other kinds of grass seed than those given here will be found under their specific names in table 2.

TABLE 2.—Commodities for which bushel weights have been established in more than four States

	Apples		Apple seeds	Barley	Beans ¹⁵							Beets	
	Alfalfa seed	Apples ¹			Dried	Beans ¹	Castor	Green (un-shelled)	Green or string	Lima	Miscellaneous varieties		Soy
Federal Statutes.....		² 50		48									
Alabama.....	60	³ 50	24	40	48	⁴ 60	46	30					50
Arizona.....					48								
Arkansas.....		³ 50	24		48	⁴ 60							
California.....					50								
Colorado.....					48	60							
Connecticut.....		48	25		48	⁵ 60			24				⁶ 60
Delaware.....													
District of Columbia.....													
Florida.....		³ 48	24		48	⁶ 60	⁶ 48				⁷ 78		
Georgia.....			24		47	⁴ 60							
Hawaii.....					48								
Idaho.....	60	³ 48	24		48	60	46						56
Illinois.....	60	³ 47	24		48	⁴ 60	46		24		⁸ 24		60
Indiana.....													
Iowa.....	60	48	24		48	⁹ 60	⁶ 50	56		56			56
Kansas.....	60	48	24		48	60	46	38					56
Kentucky.....			24		47	⁴ 60	45						
Louisiana.....					32								
Maine.....	60	44	25		48	60			24	56	¹⁰ 47	58	¹¹ 60
Maryland.....	60	³ 50	28		48	⁹ 60	¹² 50						
Massachusetts.....		48	22		48	60	46						56
Michigan.....		³ 50	28		48	60			56		¹⁴ 47		50
Minnesota.....	60	³ 50	26		60	⁴ 60	46						
Mississippi.....													
Missouri.....		48	24		48	60	46	55					
Montana.....		45			48	60							50
Nebraska.....	60	³ 48	24		48	⁹ 60	⁶ 50	56		56			56
Nevada.....	60	³ 48	24		48	60	46						56
New Hampshire.....			25		48	⁴ 60			24			58	60
New Jersey.....													
New Mexico.....	60	45	24		48	60	46						56
New York.....													
North Carolina.....	60		24	40	48	⁶ 60	46	30				60	50
North Dakota.....	60	50	28		48	60			55		¹⁰ 47		60
Ohio.....		48	24		48	60							56
Oklahoma.....	60	48	24		48	60	46						60
Oregon.....													
Pennsylvania.....	60	45	25		48	⁶ 60	⁶ 46						56
Rhode Island.....		48	25	40	48	60	46						50
South Carolina.....		³ 50	24	40	48	⁶ 60	46	30					50
South Dakota.....	60	48	24		48	⁶ 60	⁶ 50	50		⁸ 56			56
Tennessee.....		³ 50	24	40	48	⁹ 60	46	30					50
Texas.....	60	³ 50	28		48	⁴ 60	46		24		⁵ 24		60
Utah.....													
Vermont.....	60	44	25		48	60		28	24			58	60
Virginia.....	60		28		48	¹³ 60	46					¹³ 60	
Washington.....													
West Virginia.....	60	³ 48	24	40	48	¹⁴ 60	46	38	24	56		58	56
Wisconsin.....	60	44	25		48	60	46		30	56			50
Wyoming.....		⁵ 45			48	60	46						56

¹ Not defined, except as noted.² Green or ripe.³ Green apples.⁴ White.⁵ Mangelwurzel; beets, table size, 50 pounds.⁶ Shelled.⁷ Velvet in hull.⁸ Wax.⁹ Dry or dried.¹⁰ Windsor (broad).¹¹ Also sugar, turnip, and mangelwurzel.¹² Called "castor beans or seed" in the law.¹³ Navy and soja.¹⁴ Dried, shell.¹⁵ See also table 1.

TABLE 2.—Commodities for which bushel weights have been established in more than four States—Continued

	Blackberries	Bluegrass seed	Bluegrass seed (English)	Bran	Broom-corn seed	Buckwheat	Cabbage	Canary seed	Carrots	Cement	Charcoal	Cherries	Chestnuts
Federal Statutes													
Alabama	⁵ 48	14		20	42	50	50	60	50	80	22	¹ 56	50
Arizona		14		20	48	52							
Arkansas						40							
California													
Colorado		14				52							
Connecticut				20		48			50		² 20		
Delaware											² 20		
District of Columbia													
Florida				20									
Georgia		14		³ 20		52							
Hawaii													
Idaho		⁴ 14	22	20		50			50				
Illinois		14		20	48	52					20		
Indiana													
Iowa		14		20	50	48			50		20	¹ 40	
Kansas		⁴ 14	22		30	48			50			¹ 56	
Kentucky		14	14	20		56							
Louisiana													
Maine	40			20		48			50				
Maryland		14		20		48			50				
Massachusetts													
Michigan		14				48			50				
Minnesota		14			57	50			45				50
Mississippi		14		20		48							
Missouri		14		20		52			50				
Montana		14		20		52			50				
Nebraska		18		20	50	50			50		20	40	
Nevada		14	22	20		50			50				
New Hampshire				20		48			50				
New Jersey													
New Mexico		14		20		52			50	80	20		
New York													
North Carolina		⁵ 48	14	20	44	50	50	60	50	80	22	¹ 56	50
North Dakota		14		20	30	42			45				50
Ohio					45	50			50				
Oklahoma		14		20	48	52			50				
Oregon													
Pennsylvania		14		20	50	48	50		50	100	20	¹ 56	⁶ 50
Rhode Island				20		48			50		20		
South Carolina		⁵ 48	14	20	42	50	50	60	50	80	22	¹ 56	50
South Dakota		14			50	48			50				
Tennessee		⁵ 48	14	20	42	50	50	60	50	80	22	¹ 56	50
Texas													
Utah		14		20	48	52			50		22		
Vermont						48			50		20		50
Virginia		14		20		48			50				57
Washington													
West Virginia		48	14	22	20	57	48	50	50	100	20	¹ 56	50
Wisconsin		14		20		50			50				
Wyoming									50				

¹ With stems; without stems, 64 pounds.² Commercially dry.³ Wheat bran.⁴ Native.⁵ Undefined; dried, 28 pounds.⁶ Hulled.

TABLE 2.—Commodities for which bushel weights have been established in more than four States—Continued

	Clover seed	Coal ¹				Coke	Corn, including Indian corn or maize ²						
		Coal ¹	Anthracite	Mineral	Stone		In the ear	In the ear, unhusked	Popcorn (in ear)	Popcorn (shelled)	Shelled	Sweet	
Federal Statutes.....													
Alabama.....	³ 60				80	40	70	⁴ 75	70	56	² 56	56	
Arizona.....							⁵ 70	74			56		
Arkansas.....	60										³ 52		
California.....				80			70				² 56		
Colorado.....	60										² 56		
Connecticut.....	60		80								² 56		
Delaware.....											² 56		
District of Columbia.....													
Florida.....								70			56		
Georgia.....	60				80		70				56		
Hawaii.....											² 56		
Idaho.....	60						70				56		
Illinois.....	⁶ 60	80				40	70		70	56	56		
Indiana.....													
Iowa.....	60	80				40	⁷ 70	⁷ 75	70	56	⁷ 56	56	50
Kansas.....	60						⁵ 70		70	56	56		
Kentucky.....	60		⁸ 76		⁴ 76		⁹ 70	75			56		
Louisiana.....											³ 56		
Maine.....	60										² 56		
Maryland.....	¹⁰ 60	76					70				56		
Massachusetts.....													
Michigan.....	60		80				70				56		
Minnesota.....	60						²⁰ 70				56		48
Mississippi.....	60			80			72				56		
Missouri.....	60			80			70				56		
Montana.....	60		76				70				56		
Nebraska.....	60	80				40	¹¹ 70	⁷ 75	70	56	⁷ 56	56	50
Nevada.....	60						70				56		
New Hampshire.....	60										² 56		
New Jersey.....													
New Mexico.....	60		80			40	70	72	70	56	56		
New York.....													
North Carolina.....	¹² 60				80	40			¹³ 70		56		
North Dakota.....	60				80		70				56		48
Ohio.....	60	¹⁴ 70				40	68				56		¹⁵ 45
Oklahoma.....	¹⁰ 60		80				70	72	42		56		
Oregon.....													
Pennsylvania.....	60		75		80	40	⁵ 70				56		
Rhode Island.....	60	80				40	70				56		
South Carolina.....	¹⁹ 60				80	40	⁵ 70	⁴ 74		56	56		
South Dakota.....	60						70		70	56	56		50
Tennessee.....	¹⁹ 60				80	40	⁷ 70	⁴ 74	¹³ 70	56	56		
Texas.....	⁶ 60		80			40	(¹⁵)		70	56	56		
Utah.....							⁵ 70	72	¹⁸ 70	56	56		
Vermont.....	60												
Virginia.....	60		80				70				56		
Washington.....													
West Virginia.....	60	80				40	¹⁷ 68				56		50
Wisconsin.....	¹⁰ 60										² 56		
Wyoming.....							70				56		

¹ Not defined, except as noted.

² Not stated whether shelled or unshelled, but presumed from the weight shown to be shelled.

³ Red and white and crimson; burr clover, 10 pounds; Japan clover (lespedeza), 25 pounds.

⁴ Corn, green, with shucks, 100 pounds per bushel.

⁵ Husked.

⁶ Clover seed, sweet, unhusked, 33 pounds, Illinois; 23 pounds, Texas.

⁷ Field corn.

⁸ "Stone coal;" the term includes anthracite, cannel, bituminous, and other mined coal.

⁹ Corn in the ear, in Kentucky, 70 pounds from November 1 to January 1 following, and from January 1 to November 1 following, 68 pounds; in Mississippi, in connection with public local grain warehouses, "not exceeding 80 pounds" during the months of October and November only.

¹⁰ Also alsike (or Swedish), 60 pounds.

¹¹ Field corn, husked.

¹² Red and white; clover burr, 8 pounds; German clover (also more commonly known as crimson clover), 60 pounds; Japan, lespedeza, 25 pounds.

¹³ Not stated whether in the ear or not, but from the weight shown it is presumed to be in the ear.

¹⁴ Cannel coal.

¹⁵ Shelled.

¹⁶ Corn in the ear in Texas, 70 pounds after December 1, and 72 pounds for new crop before December 1. Green corn (roasting ears), 50 pounds. "In the event of controversy over the weight of green corn (roasting ears), a tolerance of two pounds more or less than the standard weight as advised herein shall be allowed."

¹⁷ In ear, dry; in ear, green, 72 pounds.

¹⁸ Cured, in cob.

¹⁹ Red and white.

²⁰ For new ear corn, the following values may be used: During October and November, 80 pounds; during December and January, 72 pounds.

²¹ See also table 1.

TABLE 2.—Commodities for which bushel weights have been established in more than four States—Continued

	Corn meal (including Indian meal)			Cotton seed			Cranberries	Cucumbers	Emmer ²	Flaxseed (linseed)	Gooseberries	Grapes
	Corn meal ¹	Bolted	Unbolted	Cottonseed ¹	Sea island cottonseed	Upland cottonseed						
Federal Statutes.....										56		
Alabama.....		48	48	32				48		56	48	³ 60
Arizona.....												
Arkansas.....	48			33 ^{1/2}						56		
California.....												
Colorado.....	50											
Connecticut.....	50				44	30	32	48		55		
Delaware.....		44	48									
District of Columbia.....												
Florida.....	48			32	44							
Georgia.....		48	48	30						56		
Hawaii.....												
Idaho.....	48									56		
Illinois.....	48		48	32			33	48	40	56	40	
Indiana.....												
Iowa.....	48							48	40	56		⁴ 40
Kansas.....								48	40	56		⁵ 48
Kentucky.....	50									56		
Louisiana.....												
Maine.....	50				44	30	32			56		
Maryland.....	48									56		
Massachusetts.....												
Michigan.....	50						40			56		
Minnesota.....							36	48		56		
Mississippi.....	48	44	48	32						56		
Missouri.....	50			33				48		56		
Montana.....	50									56		
Nebraska.....	48							48	48			⁴ 40
Nevada.....	48									56		
New Hampshire.....	50						32			56		
New Jersey.....												
New Mexico.....	50			32				48		56		
New York.....												
North Carolina.....		48	48	30	44			48		56	48	⁶ 48
North Dakota.....							36	48		56		
Ohio.....	48									56		48
Oklahoma.....	50			32				48		56		
Oregon.....												
Pennsylvania.....	50						32	48		56	40	48
Rhode Island.....	50				44	30				56		
South Carolina.....		48	48	⁶ 30			32	48		56	48	⁶ 48
South Dakota.....	50							48		56		⁴ 40
Tennessee.....		50	48	28				48		56	48	⁵ 48
Texas.....	50		48	32				33	48	56	40	
Utah.....												
Vermont.....	50						32	48	40	55		
Virginia.....	48			30						56		
Washington.....												
West Virginia.....	48	46		32	44		36	⁷ 50		56	40	³ 60
Wisconsin.....	50				44	30	35	⁷ 50		56		
Wyoming.....									45	56		

¹ Not defined.² See also "Spelt or speltz."³ With stems, 48 pounds.⁴ With stems.⁵ With stems; without stems, 60 pounds.⁶ Long staple.⁷ Green.

TABLE 2.—Commodities for which bushel weights have been established in more than four States—Continued

	Hair			Hempseed	Herds grass	Hickory nuts	Hominy	Horse-radish	Hungarian grass seed	Kafir corn	Kale	Lime			Millet	
	Plastering ¹	Plastering (unwashed)	Plastering (washed)									Lime ¹	Slaked	Malt	Millet or millet seed ¹	Japanese barnyard
Federal Statutes																
Alabama	8			44	45	50	62	50	48	56		² 80	40			¹⁰ 50
Arizona																50
Arkansas																
California																
Colorado				44								80				
Connecticut					45	50		50			³ 12	70				
Delaware																
District of Columbia																
Florida																50
Georgia	8			44								² 80				
Hawaii																
Idaho		8	4	44					50	56		² 80		32		50
Illinois		8	4	44		50			50	56		80		38	50	35
Indiana																
Iowa				44		⁴ 50			50	56		80				50
Kansas		8	4	44		50				56		² 80		38	⁵ 50	
Kentucky	8			44					50			² 35				50
Louisiana																
Maine	⁶ 11			44	45				48		12	70				50 35
Maryland				44	45				50			80		⁷ 34	⁸ 50	
Massachusetts																
Michigan				44					50			70				50
Minnesota		8	4	50		50			48			80				48
Mississippi				44					50			² 80		38		50
Missouri				44					48					38		50
Montana				44					50			² 80		30		
Nebraska				44		⁴ 50				56		80				50
Nevada				48					50	56				32		50
New Hampshire					45							70				35
New Jersey																
New Mexico				44					50	56		² 80				50
New York																
North Carolina	8			44		⁶ 50	62	50	48	50	10	² 80	40			50
North Dakota		8	4	50		50			48			80				50
Ohio				44		50	60		50	56		70		34		50
Oklahoma				44					48	56		80		38		50
Oregon																
Pennsylvania	8			44	45	50	60	50	50	56		80		38		50
Rhode Island				44					50			70		38		50
South Carolina	8			44		50	62	50	48	56	12	² 80	40			¹⁰ 50
South Dakota				44		⁴ 50			50	56		80				50
Tennessee	8			44		50	62	50	48		30	² 80	40			¹⁰ 50
Texas		8	4	44		50			48	50						50 35
Utah																
Vermont					45		56		50	56				34		50
Virginia	8			44					48			² 80		38		50
Washington																
West Virginia				44	45	50	60	50	50	56	15	² 70	40	⁷ 34		50 35
Wisconsin	8			44		50			48			(¹¹)				50
Wyoming										56						

¹ Not defined, except as noted.² Unslaked.³ Commercially dry.⁴ Hulled.⁵ Hungarian.⁶ Well dried and cleaned, used in masonry.⁷ Barley malt.⁸ German and American.⁹ Without hulls.¹⁰ German, Missouri, and Tennessee.¹¹ "Seventy pounds for a bushel of lime; 80 pounds for a bushel of unslaked lime."

TABLE 2.—Commodities for which bushel weights have been established in more than four States—Continued

	Oats	Onions			Orchard grass seed	Orange orange seed	Parsnips	Peaches		Peanuts	Pears ¹
		Onions ¹	Bottom onion sets	Top onion sets				Peaches ¹	Dried		
Federal States.....	² 32										
Alabama.....	32	³ 57	32	28	14	33	45	³ 50	¹³ 33	22	¹⁵ 50
Arizona.....											
Arkansas.....	32	57			14				33		
California.....	32										
Colorado.....	32	57									
Connecticut.....	32	52					45	52	33		52
Delaware.....											
District of Columbia.....											
Florida.....	32	56						⁴ 54	24	22	55
Georgia.....	32	57									
Hawaii.....	32								¹³ 33	⁵ 25	
Idaho.....	32	57					50	48	33		
Illinois.....	32	57	32	30	14	33	50	48	33	⁶ 20	58
Indiana.....											
Iowa.....	32	52	32	28	14	32	45	48	33	22	45
Kansas.....	32	55					48	48	33		50
Kentucky.....	⁷ 32	57	36		14				39	⁵ 24	
Louisiana.....	32										
Maine.....	32	52			14		45	48	33	⁶ 20	58
Maryland.....	32	54			14			⁵ 40		22	
Massachusetts.....											
Michigan.....	32	54			14	33	50		28		
Minnesota.....	32	52	32	28	14		42	48	28	22	45
Mississippi.....	32	57							33	⁵ 24	
Missouri.....	32	57		28	14	36	44	48	33		48
Montana.....	32	57					50				45
Nebraska.....	32	57	32	28	14	32	50	48	33	22	45
Nevada.....	32	57					50	48	33		
New Hampshire.....	32	52					45	48	33	⁶ 20	58
New Jersey.....											
New Mexico.....	32	57	32	30	14		42	48	33	22	48
New York.....											
North Carolina.....	32	⁸ 57	32	28	14	33	50	³ 50	25	⁹ 22	¹⁵ 56
North Dakota.....	32	52	32	28	14		42		28	22	45
Ohio.....	32	56		¹⁰ 28			50	48	33		
Oklahoma.....	32	57		28	14	36	44	48	33	²¹	48
Oregon.....											
Pennsylvania.....	32	50		¹⁰ 28	14		50	48	¹³ 33	²¹	50
Rhode Island.....	32	50					50	48	33		
South Carolina.....	32	³ 56	32	28	14	33	50	³ 50	25	²¹	¹⁵ 36
South Dakota.....	32	52	32	30	14	32	48	48	33	20	45
Tennessee.....	32	³ 56	32	28	14	33	50	³ 50	26	23	¹⁵ 56
Texas.....	32	57	32	30	14		50	50	28	¹¹ 20	58
Utah.....											
Vermont.....	32	52					45	48		⁶ 20	58
Virginia.....	32	57			14		50		¹⁴ 32	¹² 22	
Washington.....											
West Virginia.....	32	55	32	28	14	33	42	48	33	23	50
Wisconsin.....	32	50	¹⁰ 32				44	48	33		48
Wyoming.....	32	57					50	48			

¹ Not defined, except as noted.² Hulled or unhulled.³ Matured.⁴ Green.⁵ Called ground peas in the law.⁶ Roasted; green, 22 pounds.⁷ Shelled.⁸ Peaches, peeled, 40 pounds; unpeeled, 32 pounds; not stated whether dried or not.⁹ Spanish, 30 pounds.¹⁰ Not stated whether top or bottom onion sets.¹¹ Roasted; green, Georgia or Virginia, 22 pounds; Spanish, 24 pounds.¹² Virginia; Spanish, 30 pounds.¹³ Unpeeled; peeled, 38 pounds.¹⁴ Unpeeled; peeled 40 pounds.¹⁵ Matured; dried, 26 pounds.

TABLE 2.—Commodities for which bushel weights have been established in more than four States—Continued

	Peas ¹⁸		Plums	Potatoes		Quinces	Rape seed	Raspberries	Red top or red top seed	Rhubarb or pieplant	Rice, rough (or unhulled)	Rutabagas	Rye	Rye meal
	Peas ¹	Green, unshelled		Irish or white	Sweet									
Federal Statutes	60												56	
Alabama	² 60	30	64	60	55	³ 48	50	48	14	50	¹⁶ 45	50	56	
Arizona				60	50				14				56	
Arkansas	60			60	50								54	
California													56	
Colorado				60									56	
Connecticut	⁴ 60	¹³ 26	48	60	54	48			14		45	¹⁷ 55	56	50
Delaware													56	
District of Columbia													56	
Florida			40	60	56	48							56	
Georgia	60			60	55						43		56	
Hawaii													50	
Idaho	⁵ 60			60	50								56	
Illinois	⁴ 60	32		60	50	48	50		14		45	50	56	50
Indiana													56	
Iowa	⁴ 60	50	48	60	50	48	50		14			60	56	
Kansas	60	30	52	¹⁶ 60	⁶ 50	48						50	56	
Kentucky	60			60	55								56	
Louisiana													32	
Maine	60	28		60	54	48		40	14		44	60	56	50
Maryland	⁴ 60			60	60		50		⁷ 14				56	
Massachusetts													56	
Michigan	60		⁴ 28	60	56				14				56	
Minnesota	⁶ 60			60	55		50		14	50		52	56	
Mississippi	60			60	54								56	
Missouri	60	56		60	56				14			50	56	
Montana	60			60									56	
Nebraska	⁴ 60	50	48	60	50	48	50		14			60	56	
Nevada	⁵ 60			60	50								56	
New Hampshire	60	28		60	54	48							56	50
New Jersey													56	
New Mexico	60			60	50	48	50					50	56	
New York													56	
North Carolina	² 60	30	64	56	¹⁴ 56	³ 48		48	14	⁶ 50	44		¹⁰ 56	
North Dakota	60			60	46		50			⁵ 50		52	56	
Ohio	60		50	60	50								56	
Oklahoma	60	56		60	55		50		14			50	56	
Oregon													56	
Pennsylvania	⁴ 60	28	64	60	54	48	50	48	14		45	60	56	50
Rhode Island	60			60	54								56	50
South Carolina	² 60	¹¹ 30	64	60	50	² 48	50	48	14	⁶ 50	44	60	56	50
South Dakota	⁴ 60	56	48	60	54	48	50		14			50	56	
Tennessee	² 60	30	64	60	50	³ 48		48	14	⁶ 50			56	
Texas	⁴ 60	32		60	50	48	50		14		45	50	56	50
Utah													56	
Vermont	60	28	48	60	54	48			¹⁵ 14				56	
Virginia				60	56				40				56	
Washington													56	
West Virginia	² 60	¹² 30	60	60	50	48	50	48	14			50	56	50
Wisconsin	60	30		60	54		50		14		45	56	56	50
Wyoming				60	50								56	

¹ Not defined, except as noted.² Dry.³ Matured.⁴ Dried.⁵ Shelled, dried peas.⁶ Sweet potatoes, seed, sorted, 1¼ inches diameter and under 45 pounds.⁷ Red top grass seed (chaff); fancy, 32 pounds.⁸ Smooth peas.⁹ Called pieplant in the law.¹⁰ Seed.¹¹ Not stated whether shelled or unshelled.¹² Green, shelled, 50 pounds.¹³ Dried, in pod.¹⁴ Green; kiln dried, 47 pounds.¹⁵ In chaff; re-cleaned, 32 pounds.¹⁶ Not defined.¹⁷ Called rutabaga turnips in the law.¹⁸ See also table 1.

TABLE 2.—Commodities for which bushel weights have been established in more than four States—Continued

	Salt			Sand	Shorts	Sorghum seed	Spelt or speltz ²	Spinach	Strawberries	Timothy seed	Tomatoes	Turnips	Walnuts	Wheat
	Salt ¹	Coarse salt	Fine salt											
Federal Statutes														
Alabama						50	40		48	45	56	55	50	60
Arizona														60
Arkansas	50					50				60		57		60
California														60
Colorado	80									45				60
Connecticut		70	70		20			12		45	56	50		60
Delaware														60
District of Columbia														60
Florida	60					56						54		60
Georgia										45		55		60
Hawaii														50
Idaho	80					50				45	56	55		60
Illinois		55	50		20	50	40	12		45	56	55	50	60
Indiana														60
Iowa	80			130	20	50	40			45	50	55	50	60
Kansas	80					50	40	14		45	56	55	50	60
Kentucky	50		55							45		60		60
Louisiana														60
Maine		70	60			50		12	40	45	56	50		60
Maryland		70	56			50				45	60	60		60
Massachusetts														60
Michigan	10 56									45		58		60
Minnesota						57	40			45	50	55	50	60
Mississippi	50					42				45		55		60
Missouri	50					42				45	45	42		60
Montana	50									45				60
Nebraska	80			130	20	50	48			45	56	55	50	60
Nevada	80					50				45	56	56		60
New Hampshire		70	50		20			12		45	56	55		60
New Jersey														60
New Mexico				130		50				45	50	56		60
New York														60
North Carolina	50					50		10	48	45	56	50	50	60
North Dakota	80					57	40			45	50	60	50	60
Ohio										45	56	60	50	60
Oklahoma	80					50				45	45	42		60
Oregon														60
Pennsylvania		85	62	100	20	50	40	12	48	45	56	56	50	60
Rhode Island		70	50		20					45	56	50		60
South Carolina	50					50		12	48	45	56	50	50	60
South Dakota		80		130		50	45			45	50	55	50	60
Tennessee	50					50		30	48	45	56	50		60
Texas		55	50		20	50		12		45	56	55	50	60
Utah														60
Vermont		70	56					12		45	56	60		60
Virginia	50									45	60	55		60
Washington														60
West Virginia		70	50	130	20	57	40	15	48	45	56	55	50	60
Wisconsin		70	50		20			14		45	56	42		60
Wyoming							45				56	55		60

¹ Not defined, except as noted.² See also "Emmer." Spring emmer has frequently been erroneously called speltz, this name being a misspelling of spelt, which is a distinct crop. The differences between spelt and emmer are pointed out in U. S. Dept. Agr. Farmers' Bulletin 466.³ Commercially dry.⁴ Summer; rutabaga or Swedish turnips, 55 pounds.⁵ Sorghum saccharatum seed.⁶ Hulled.⁷ Black.⁸ Turk's Island salt or other grades of coarse salt.⁹ Liverpool salt or other grades of fine salt.¹⁰ Michigan salt.¹¹ Common.¹² Domestic.¹³ Ground.¹⁴ Common English.