

WEIGHT PER BUSHEL AND BULK DENSITIES OF GRAIN AND SEEDS

Grain or Seed	Weight Per Bushel Pounds	Bulk Density Pounds Per Cubic Foot	Grain or Seed	Weight Per Bushel Pounds	Bulk Density Pounds Per Cubic Foot
Alfalfa	60	48.0	Oats	32	25.6
Barley	48	38.4	Orchard Grass	14	11.2
Beans:			Peanuts, Unshelled		
Lima, dry	56	44.8	Virginia type	22	17.6
Lima, unshelled	32	25.6	Runners, southeastern	28	22.4
Snap	30	24.0	Spanish	30	24.0
Other (dry)	60	48.0	Perilla	37-40	29.6-32.0
Bermuda Grass Seed	14	11.2	Popcorn:		
Bluegrass	14-30	11.2-24.0	On ear	70	28.0
Broomcorn	44-50	35.2-40.0	Shelled	56	44.8
Buckwheat	48-52	38.4-41.6	Poppy	46	36.8
Caster Beans	46	36.8	Rapeseed	50-60	40.0 & 48.0
Clover	60	48.0	Redtop	50-60	40.0 & 48.0
Corn:			Rice, Rough	45	36.0
Ear, husked	70	28.0	Rye	56	44.8
Shelled	56	44.8	Sesame	46	36.8
Green sweet	35	28.0	Sorgo	50	40.0
Cottonseed	32	25.6	Soybeans	60	48.0
Cowpeas	60	48.0	Spelt (p. wheat)	40	32.0
Flaxseed	56	44.8	Sudan Grass	40	32.0
Grain Sorghums	56 & 50	44.8 & 40.0	Sunflower	24 & 32	10.2 & 25.6
Hempseed	44	35.2	Timothy	45	36.0
Hickory Nuts	50	40.0	Velvet Beans (hulled)	60	48.0
Hugarian Millet	48 & 50	38.4 & 40.0	Vetch	60	48.0
Kafir	56 & 50	44.8 & 40.0	Walnuts	50	40.0
Kapok	35-40	28.0-32.0	Wheat	60	48.0
Lentils	60	48.0	Millet	48-50	38.4-40.0
Mustard	58-60	46.4-48.0			

APPARENT DENSITIES OF DRY * FEED INGREDIENTS
AND STORAGE SPACE REQUIREMENTS

Feed	Lb/Bu	Volume Weight	
		Lb/Cu Ft	Cu Ft/Ton
Alfalfa Meal		15	134
Alfalfa Chopped		12	170
Barley Meal		28	72
Barley, Whole	48	38	53
Beet Pulp, Dried	19	15	134
Bran	20	16	125
Brewers Grains, Dried	19	15	134
Buckwheat Bran		15	134
Buckwheat Middlings		23	88
Cocoanut Meal		38	53
Concentrates, Typical		45	45
Corn, Cracked	50	40	50
Corn Meal	48	38	53
Corn & Cob Meal, Dry	45	36	56
Corn, Whole	56	45	45
Cotton Seed	32	26	77
Cotton Seed Meal	48	38	53
Distillers' Grains-Dry	19	15	134
Fish Meal	35	28	72
Gluten Feed	42	33	61
Gluten Meal		46	45
Grain Sorghums	50-56	40-46	44-50
Hominy Meal		28	72
Kaffir Meal		27	74
Lime		60	33
Limeseed Meal	29	23	88
Malt Sprouts		15	134
Mixed Meal Feed (Bran & Middlings)		15	134
Molasses		78	26
Molasses Feed	26	21	96
Molasses Beet Pulp		20	100
Meat Scraps	42	34	59
Oats, Whole	32	26	80
Oats, Ground	22	18	112
Oat Middlings	48	39	52
Peanut Meal	29	23	88
Pellets, Mixed Feed		35-40	57-60
Pellets, Grounds Hay		38-45	44-53
Rice Bran	26	20	100
Rice Polish		31	65
Rye	56	45	45
Salt, Fine		50	40
Soybean Meal		42	48
Tankage	40	32	63
Wheat Bran	19	14	154
Wheat Feed, Mix		15	134
Wheat, Ground		45	46
Wheat, Middlings (Standard)	26	20	100
Wheat, Whole	60	48	42
Wheat, Screenings	32	27	77

*Based on standard dry storage moisture content and clean grade.

**CONTAINERS AND WEIGHTS COMMONLY USED FOR
FRUITS AND VEGETABLES**

	Shipping Containers Type	Weight Pound	Weight Per Bushel Pound
FRUITS			
Apples	Basket, Box, Fiber Carton	42-48	60
Apricots	Lug Box	25	48
Cherries			
Sweet & Sour	Lug Box	15-16	56
Grapefruit	Box and Carton	65-80	
Grapes	Western Lug Box	28	29
	Eastern Basket	18	
Lemons	Carton	45	60
Melons	Crate and Bulk	60-80	
Oranges	Fiberboard Carton & Box	45-90	60
Peaches	Box, Lug, Basket	48	48
	Western Box	20	
Pears	Box, Basket	50	50
Plums	Lug Box	18	56
Strawberries	Crate (16-24 quart)	36	
	Flat (12 pints)	12	
VEGETABLES			
Asparagus	Crate	24-30	45
Beet	Crate	52	
Cabbage	Bag	50	35
Carrots	Crate	50	50
Cauliflower	Crate	37	25
Celery	Crate	60-65	
Cucumbers	Basket	48	48
Dry Beans & Peas	Bag	2-5-7	60
Green Beans	Hamper	30	30
Lettuce	2-dozen Carton	40	
Onions	Bag	50	50-57
Snap Beans	Hamper	30	30
Spinach	Crate	20-25	18
Sweet Corn	Bag		68*
Sweet Potatoes	Crate	50	55
Tomatoes	Lug Box	31	
White Potatoes	Bag	50-100	60

*Without Husks