

Bulk Density Averages

	LBS./FT ³	KG/M ³		LBS./FT ³	KG/M ³		LBS./FT ³	KG/M ³
Almonds		See Nuts	Cauliflower			Fish, Fresh Whole (cont.)		
Apples, Whole	38	609	Whole Heads in Totes			(enough ice for normal inland journey,		
Dry Pomace	15	240	(with leaves)	18	288	and including allowance for box)		
Sliced	32	513	Whole Heads in Totes			Herring in bulk	58.2	932
Whole, Field Run, 2-1/2" diameter	30	481	(without leaves)	20	320	Fish, Frozen		
Halves, Dried	20	320	Cuts, Before Blanch 27-31	37	593	Mackerel in bulk	50	801
Asparagus			Cuts, Blanched 32-35	32	513	Salmon in bulk	45	721
Cut	34	545	Frozen, 3/8" to 3/4"			Whole gutted cod single fish	25-30	401
Whole	28	449	(approx. 8000/ft ³)	30	481	Whole gutted cod large blocks		
Avocados, Fresh whole	28	449	Frozen, 3/4" to 1-1/4"			Loosely packed	40	641
Barley	43	689	(approx. 2200/ft ³)	29	465	Tightly packed	55	881
Beans			Frozen, 1-1/4" to 1-1/2"			Average	48	769
Castors, Whole	36	577	(approx. 800/ft ³)	28	449	Filletts in large blocks	55-60	881
Cocoa	37	593	Celery, Diced 3/8"	35	561	Filletts in consumer packs	25	401
Coffee, Roasted	26	417	Cereal			in master carton with allowance		
Garbanzo, Dry	55	881	Post Raisin Bran	6.25	100	for pallets, access, etc.		
Fava, Dry	50	801	Cheese			Fish sticks in retail packs	25-30	401
Navy, Dry	54	865	Cubed, Granulated	72	1,153	Whole gutted halibut		
Navy, Small white	50	801	Curd	63	1,009	In wooden boxes	30-35	481
Pinto, Blanched 50 min.	44	705	Grated	24	384	Stored loose	38	609
Pinto, Dry	49	785	Long Grain	30	481	Whole salmon		
Red Kidney, Soaked	42	673	Cherries	40	641	In wooden boxes	24	384
Soy, Field run	45	721	Chicken			Stored loose	33-35	529
Speckled, Butter	52	833	Bone-in Parts	55-60	881	Frozen shelled shrimp		
Beets			Skins	69.5	1,113	in blocks	45-55	721
Sliced	42	673	Breasts	70	1,121	Frozen breaded shrimp	25-30	401
Sugar	60	961	Cocoa			(in consumer packs in master carton)		
Sugar (per Holly Sugar)	35	561	Nibs	40	641	Flour, Wheat	35	561
Sugar, Dry pulp	15	240	Powder	35	561	Grapefruit	35	561
Sugar, Wet pulp	45	721	Coconut, Shredded	25	401	Grapes	30	481
Whole	40	641	Coffee Beans	32	513	Green Beans		
Blackberries	45	721	Ground	25	401	Unsnipped, Fresh	18	288
Blueberries	45	721	Roasted Bean	26	417	Snipped, Whole Fresh		
Bran	16	256	Corn			(2 & 3 sieve)	21	336
Bread Crumbs	3-4	48	Cob, Unhusked	18-25	288	Snipped, Whole Frozen		
Broccoli			Cob, After Husker (full length)	26	417	(2 & 3 sieve) (approx. 2500/ft ³)	24	384
5" Blanched	29	465	Cob, Prior to Blanch			Cut, Fresh 1" (2, 3, & 4 sieve)	33	529
2-1/2" Blanched	32	513	(2-3/4" long)	33	529	Cut, Blanched 1" (2, 3, & 4 sieve)	35	561
1" Blanched	35	561	Cob, Blanched & Cooled			Cut, Frozen 1" (2, 3, & 4 sieve)		
6" Field cut	16	256	(2-3/4" long)	38	609	(approx. 11,700/ft ³)	33	529
1" Frozen	26	417	Cob, Frozen (2-3/4" long)	35	561	French Beans		
Buckwheat	42	673	Cut, Washed Prior to Blanch	40	641	Sliced and Blanched	35	561
Brussel Sprouts			Cut, Blanched & Key Air			French Beans, Frozen	20	320
Blanched	29	465	Cooler	45	721	Hamburger, Pellets Frozen	35	561
Pre-blanched	25	401	Cut, Frozen	37	593	(3/8-1/2" X 3/4-1-1/2")		
Frozen	TBD		Meal, Dry	40	641	Hops		
Cabbage	27	433	Crab Tanner			Dry	35	561
Cantaloupe	38	609	Cooked, Frozen Sections	20	320	Wet	55	881
Carrots			Live Weight	29	465	Ice, Crushed	40	641
Diced	TBD		At Pre-cooker	20	320	Kiwi Fruit, Fresh	55	881
Diced, Frozen	TBD		Final Product (as packaged)	52	833	Lemons	40	641
Sliced	42	673	Cranberries, Fresh	40	641	Lettuce	23	368
Whole	40	641	Cucumbers, Fresh	40	641	Lima Beans		
Whole, Baby Field Run			Fish, Fresh Whole			Dry	45	721
(roots, dirt, etc.)	26	417	Chilled fish muscle	65.8	1,054	Frozen	TBD	
Whole, Baby (washed & peeled)	42	673	Cod in bulk gutted	57.5	921	Green	34	545
Whole, Baby Blanched			Cod in bulk with ice/49.5 mix.	33	529	Unshelled	26	417
(all sizes combined)	40	641	(2/3 fish - 1/3 ice by weight)					
Whole, Baby Frozen			Cod Filletts in bulk	60	961			
(all sizes combined)	31	497	Cod Filletts, Boxed with ice	30	481			

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	LBS./FT ³	KG/M ³		LBS./FT ³	KG/M ³		LBS./FT ³	KG/M ³
Malt			Onions (cont.)			Potatoes (cont.)		
Dry ground 1/8" and under	22	352	Small, Whole Frozen			Sliced	52	833
Dry whole	30	481	5/8" to 7/8" diameter			Whole, Peeled	41-48	657
Meal	40	641	(approx. 2400/ft ³)	36	577	Whole, Unpeeled	40-43	641
Wet	65	1,041	Small, Whole Frozen			Helical Cut, Wet	18	288
Meat			7/8" to 1-1/8" diameter			Helical Cut, Frozen	10	160
Ground	55	881	(approx. 1300/ft ³)	35	561	Lattice Cut, Wet	30	481
Balls	16	256	Oranges, Whole	30	481	Lattice Cut, Frozen	20	320
Milk			Orange Peel, Dry	15	240	Prunes, Dried 30% Moisture	42	673
Dried Flakes	6	96	Pasta			Pumpkin	35	561
Malted	35	561	Hay & Straw	43	689	Pretzels	10	160
Whole powdered	28	449	Elbow, Shell	30-40	481	Quinces	44	705
Millet, Birdseed	46	737	Spaghetti, Flat	40	641	Raisins	39	625
Mushrooms			Macaroni			Rhubarb	34	545
Fresh whole (float)	15-17	240	Blanchd	65	1,041	Raspberries	44	705
Blanched whole (sink)	23-25	368	Elbow, Dry	34	545	Rice		
Sliced	48	769	Elbow, Cooked	48	769	Dry	52	833
Sliced, Frozen	TBD		Rotelli Spirals	42	673	Grits	45	721
Mustard, Seed	48	769	Peaches, Freestone	34	545	Hulled and Polished	48	769
Mussel, Green Lip	25	401	Peanuts	See Nuts		Rough	36	577
(10 oz. frozen in shell)			Pears	38	609	Wild White	48	769
Noodles, Enriched	46	737	Peas			Rutabagas	45	721
Nuts			Black-eyed	38	609	Rye, Seed	45	721
Almonds			Crowder	38	609	Salt, Coarse	40-55	641
Meat	30	481	Dried	48	769	Fine	70-80	1,121
Unshelled	20	320	Green fresh	35	561	Sesame Seeds	27	433
Cashews, Whole	37	593	Sugar Snap	27	433	Shrimp		
Hazel Nuts, Shelled	35	561	Unshelled	24	384	Frozen, Small (300 count)	30	481
Hickory Nuts, Wild	40	641	Peppers			Frozen, Shelled in Blocks	45-55	721
Macadamia Nuts			Chili Peppers, Whole	16	256	Frozen, Breaded	25-30	401
Fresh, unshelled	43	689	Whole green	18	288	(in consumer package)		
Dry, shelled	35	561	Whole blanched	23	368	Soap, Detergent	15-50	240
Peanuts			Diced	TBD		Silica Flour	80	1,282
Shelled	45	721	Diced Frozen	TBD		Spinach		
Unshelled Runners	17	272	Dried	8.6	138	Loose Leaf (dry on shaker)	8-8.5	128
Spanish	20	320	Halves	18	288	Loose Leaf, (wet on shaker)	10.5	168
Virginia	14	224	Halves, Blanched	23	368	Blanched	44	705
Walnuts			Strips, Blanched	23-47	368	Squash	35	561
In Shell	20	320	Jalapeno Fresh	21	336	Strawberries	44	705
Meats (Halved & Pieces)	25-30	401	Pepper Corns, Black	40	641	Sugar		
Oats	26	417	Peppercornini	37	593	Brown	45	721
Okra			Pimento, Whole	26	417	Granulated	55	881
Breaded Nuggets	TBD		Pickles			Powdered	55	881
Whole	20	320	Chips	57	913	Raw Cane	65	1,041
Blanched 3 minutes	32	513	Sliced	46	737	Raw Cane, Knived	18	288
Olives	41	657	Whole	39	625	Sunflower Seeds, Hulled	41	657
Onions			Pineapple			Tomatoes	30-33	481
Winter Whites, 2-3/4" Small	35	561	Wedges 1/2" to 1"	55	881	Tortilla Chips	7	112
Medium 3-4"	19-31	304	Whole	29-30	465	Turnips	43	689
2" diameter	32	513	Plums	45	721	Wheat	48	769
Diced	36.5	585	Potatoes			Cracked	45	721
Small, Whole, Field Run			Chips	3.5-5.6	56	Germ	28	449
(with roots, dirt, etc)	38	609	Cut Strips, 3/8 cut	35	561	Flour	35	561
Small, Whole Prior to Blanch			Fried Strips	28	449	Zucchini, Slices Frozen	27.5	441
(all sizes)	40	641	Frozen Strips					
Small, Whole Frozen			1/2" Cut	21.5	344			
3/8" to 5/8" diameter			7/16" Cut	20	320			
(approx. 3800/ft ³)	34	545	3/8" Cut	18.5	296			
			1/4" Cut	17	272			