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A Factbook of Practical Suggestions
on Nutrition and Food from the pages of

Nutrition Action

HEALTH LETTER®

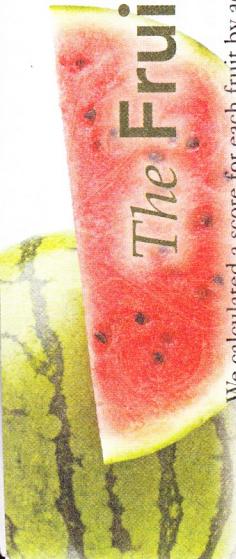
Healthy Foods

*Your guide to the
best basic foods*

Photo: © Kelly Glitter photo.com

by Bonnie Liebman, M.S. and Jayne Hurley, R.D.

The Fruit Bowl



We calculated a score for each fruit by adding up its percentage of the recommended daily intake for five nutrients plus fiber and carotenoids. (We used the Dietary Reference Intake, or DRI, for all but two. For fiber, which has no DRI, we used the Daily Value, or DV. For carotenoids, which has no DRI or DV, we devised our own recommended intake from the best available research.)

For example, half a pink grapefruit has 65 percent of our daily target for carotenoids (65 points) and 10 percent of the DV for fiber (10 points), plus 53 percent of the DRI for vitamin C (53 points), 5 percent for folate (5 points), 4 percent for potassium (4 points), 3 percent for calcium (3 points), and 1 percent for iron (1 point). That gives it a score of 141 points. The chart doesn't show calcium or iron numbers because they're generally low.

Fruit	Score Carotenoids Vitamin C Potassium Folate Fiber Carbohydrates
Guava (3)	575
Watermelon (2 cups diced)	314
Kiwi (2)	201
Papaya (1 cup cubed)	189
Grapefruit, pink or red (½)	141
Kumquats (7)	138
Orange (1)	136
Cantaloupe (¼)	132
Lychees (14)	131
Strawberries (8)	128
Mango (½)	107
Raspberries (1 ¼ cups)	101
Blackberries (1 cup)	91
Star Fruit (1)	82
Pineapple (2 slices, or ¾ cup)	77
Apricots (4)	76
Grapefruit, white (½)	76
Persimmon (1)	76
Pomegranate (½)	62
Tangerine (1)	61

Apple (1)

Apricots, dried (1/1 halves)

Honeydew melon (½)

Lemon (1)

Peaches, dried (3 halves)

Banana (1)

Rhubarb cooked with sugar (½ cup)

Plums (2)

Blueberries (1 cup)

Pear (1)

Cherries (1 cup)

Figs (2)

Lime (1)

Nectarine (1)

Peach (1)

Asian pear (1)

Figs, dried (5)

Currants, dried (¼ cup)

Grapes (¾ cup)

Pineapple, canned (½ cup)

Peaches, canned (½ cup)

Prunes, dried (4)

Dates, dried (6)

Avocado (¼)

Fruit cocktail (½ cup)

Cranberries (½ cup)

Raisins (¼ cup)

Pears, canned (½ cup)

Applesauce, unsweetened (½ cup)

Apple (1)

Apricots, dried (1/1 halves)

Banana (1)

Cantaloupe (¼)

Cherries (1 cup)

Figs (2)

Grapefruit, white (½)

Lemon (1)

Pineapple (2 slices, or ¾ cup)

Star Fruit (1)

4

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Recommended Daily Intakes	
Calci um (DRI): 1,200 mg	Fiber (DV): 25 g
Carotenoids: 5,000 mcg	Folate (DRI): 400 mcg
Iron (DRI): 18 mg	Vitamin C (DRI): 90 mg
Potassium (DRI): 4,700 mg	

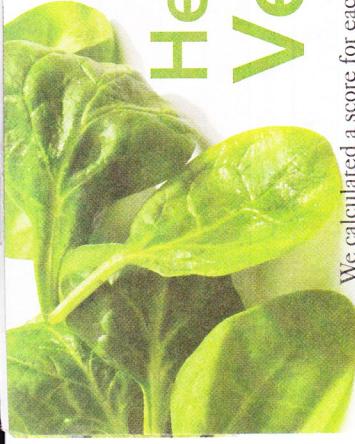
Percentages of the recommended daily intake:

- 20% or more
- 10%-14%
- 5%-9%
- less than 5%

^aEstimate based on available research.

Source: U.S. Department of Agriculture Nutrient Data Laboratory, <http://ndb.nal.usda.gov/>.

The Healthiest Veggies



We calculated a score for each vegetable by adding up its percentage of: (1) the Dietary Reference Intake (DRI) for six nutrients, (2) the Daily Value (DV) for fiber, and (3) the daily targets that we've devised for lutein and carotenoids other than lutein. For example, half a cup of cooked broccoli has 31 percent of our target for lutein and 26 percent of our target for other carotenoids, 11 percent of the DV for fiber, plus 100 percent of the DRI for vitamin K, 61 percent for vitamin C, 23 percent for folate (folic acid), 5 percent for potassium, and 3 percent each for calcium and iron. That gives it a score of 263 points.

Calcium, iron, and folate were part of the score but don't appear in our chart. Ditto for carotenoids other than lutein, which include alpha-carotene, beta-carotene, and lycopene. We included lutein in the chart because of growing evidence that it may help prevent cataracts. There is no DRI for lutein, so we set our own (3,000 micrograms) by examining studies on cataracts. (The DRIs—daily targets set by the Institute of Medicine—vary slightly by age and gender. We picked the highest level for adults, excluding pregnant and lactating women.)

Rankings

Superstars (Score = 150+): Kale, spinach, collards, and other leafy greens are in a class of their own. But broccoli, carrots, sweet potatoes, bell peppers, and most salad greens are also top-notch. They get such high scores largely because they're rich in lutein and beta-carotene, which is visible in their green or orange color. But leafy greens also supply vitamin K and some of just about everything else (calcium, fiber, folate, iron, and vitamin C).

Not Exactly Chopped Liver (Score = 50-149): The midrange group typically gets points from vitamin C, vitamin K, lutein, and beta-carotene. But you can also get a nice dose of fiber from artichokes, avocado, green beans, and lima beans. And asparagus, cauliflower, celery, and okra pour on the folate.

Love 'em Anyway (Score = 0-49): Okay, so they're not brimming with vitamins. But there's some preliminary evidence that allium vegetables like onions and garlic may lower cancer risk. And who knows? Maybe radishes or mushrooms or cucumbers harbor some undiscovered phytochemical that can prevent or cure Alzheimer's or arthritis or wrinkles. Bottom line: as long as they taste so good, who cares?

	(3 oz. — 1/2 cup — cooked, unless noted)
Kale (2/3 cup)	1,389
Spinach	931
Collard greens	733
Turnip greens (2/3 cup)	709
Swiss chard	700
Spinach, raw (2 cups)	672
Pumpkin, canned	570
Mustard greens (2/3 cup)	547
Sweet potato, with skin (1 medium)	485
Radicchio, raw (2 cups)	464
Broccoli, raw (5 spears)	420
Carrots	397
Romaine lettuce, raw (2 cups)	394
Broccoli rabe (7 stalks)	386
Carrots, raw (1 large)	348
Red bell pepper, raw (1 large)	340
Curly endive, raw (2 cups)	307
Parsley, raw (1/4 cup)	297
Green leaf lettuce, raw (2 cups)	286
Sun-dried tomato (1/4 cup)	281
Broccoli	263
Boston or bibb lettuce, raw (2 cups)	257
Brussels sprouts	243
Red bell pepper	223
Tomato, raw (1 medium)	214
Red leaf lettuce, raw (2 cups)	198
Butternut squash	197
Green bell pepper, raw (1 large)	193
Peas	166
Bok choy	152
Tomato	134
Arugula, raw (2 cups)	133
Snow peas	133
Savoy cabbage, raw (1 cup)	132
Asparagus (6 spears)	131
Red cabbage, raw (1 cup)	131
Pumpkin	117
Cabbage, raw (1 cup)	116
Zucchini, raw (1/2 medium)	115
Green bell pepper	111
Cauliflower, raw (1 cup)	100
Red cabbage	92
Artichoke (1/2)	89
Scallions, raw (1/4 cup)	89
Iceberg lettuce, raw (2 cups)	88
Okra	85
Celery, raw (2 large stalks)	79

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Which Beans are Best?

All beans are nutritional powerhouses, but some are a bit more "powerhousey" than others.

We came up with a score for each bean by adding its percent of the U.S. Recommended Daily Allowance (USRDA) for seven nutrients plus fiber and potassium. There are no USRDAs for fiber or potassium, so for fiber we used the Daily Value (DV) of 25 grams, which now appears on food labels. For potassium we used our "Nutrition Action RDA" (NARDA) of 3,500 milligrams.

For example: A cup of cooked lentils has 57 percent of the DV for fiber (57 points) and 19 percent of the NARDA for potassium (19 points). It also has 81 percent of the USRDA for folic acid (81 points), 16 percent for magnesium (16 points), 33 percent for iron (33 points), 23 percent for copper (23 points), 15 percent for zinc (15 points), 25 percent for protein (25 points), and 16 percent for vitamin B-6 (16 points). That adds up to a score of 285.

Small differences in score (25 points or less) are meaningless. Potassium and vitamin B-6 values are included in each score but don't appear on the chart. Numbers are for canned or cooked dried beans. Beans are ranked from highest to lowest score.

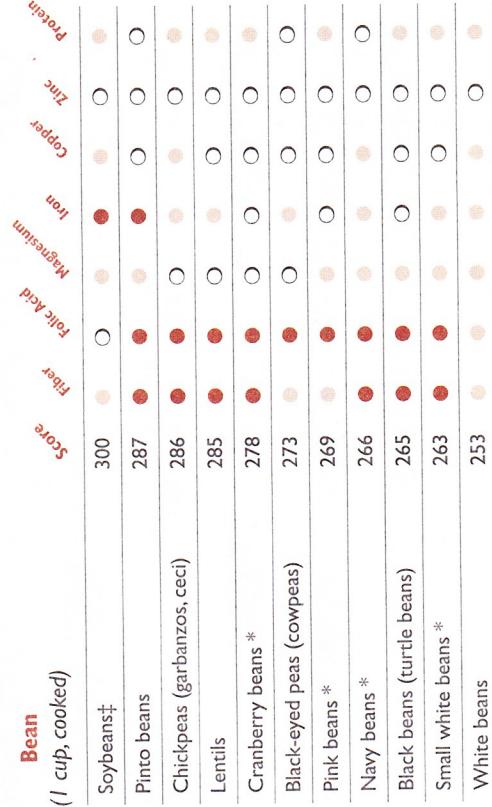
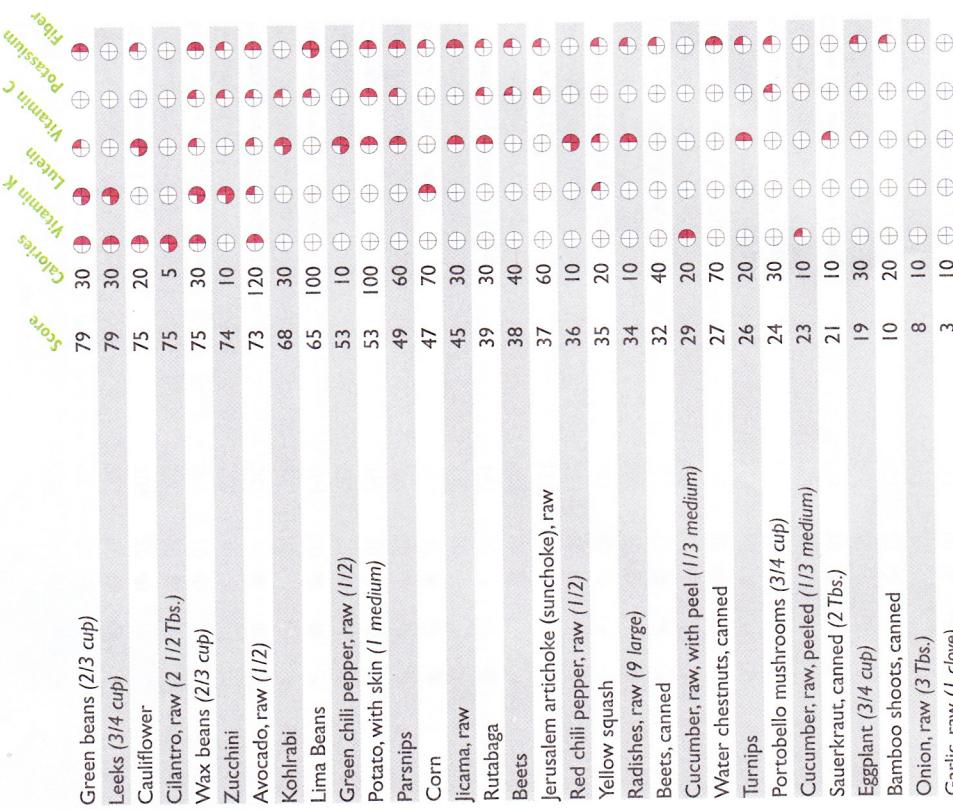


Photo: © pixhock/fotoliaphoto.com



Daily Reference Intakes (DRIs)

Iron: 18 mg
Lutein: 3,000 mcg²
Other carotenoids: 3,000 mcg²
¹ Daily Value
² Nutrition Action figure based on available research.

Contains less than 5% of the Dietary Reference Intake (DRI)
Contains 5%-9% of the (DRI)
Contains 10%-19% of the (DRI)
Contains 20%-99% of the (DRI)
Contains 100% or more of the (DRI)

Source: USDA's National Nutrient Database, <http://ndb.nal.usda.gov/>

Choosing the Leanest Meats

Best Bites (**✓✓**) have no more than 2 grams of saturated fat per serving (4 ounces cooked). We disqualified red meat, which may raise the risk of heart disease and cancer. Red meats are carefully trimmed (in most cases to $\frac{1}{8}$ " fat). Because recent $\frac{1}{8}$ " trim numbers were unavailable for pork, we used older numbers. Within each section, cuts are ranked from least to most saturated fat, then least to most calories.

Poultry (4 oz. cooked)

	Calories	Sat. Fat (g)	Sat. Fat Total (g)
✓✓ Turkey breast, no skin	190*	2*	0.5*
✓✓ Chicken breast, no skin	190	4	1
✓✓ Chicken drumstick, no skin	200	6	1.5
Chicken breast, with skin	220	9	2.5
Turkey breast, with skin	220	9	2.5
Turkey leg, no skin	220*	8*	2.5*
Chicken wing, no skin	230	9	2.5
Chicken thigh, no skin	240	12	3.5
Turkey leg, with skin	240	12	3.5
Chicken drumstick, with skin	250	13	3.5
Turkey wing, with skin	270	15	4
Chicken thigh, with skin	280	18	5
Chicken wing, with skin	330	22	6

Beef (4 oz. cooked, $\frac{1}{8}$ " trim unless noted)

	Calories	Sat. Fat (g)	Sat. Fat Total (g)
Chuck eye steak, choice, 0" trim	180	6	2
Top round (London broil), select	230	9	3.5
Flank steak, choice, 0" trim	230	11	4.5
Bottom round (Rump roast), select	240	12	4.5
Eye of round roast, choice	240	11	4.5
Top round (London broil), choice	250	12	4.5
Ground beef, 10% fat	250	13	5
Tri-tip roast, choice, 0" trim	250	14	5
Bottom round steak, select	270	13	5
Bottom round (Rump roast), choice	250	14	5.5
Round tip roast, choice	260	14	5.5
Bottom round steak, choice	290	14	5.5
Flat iron steak, choice, 0" trim	260	15	6
Ground beef, 15% fat	280	18	6.5
Top sirloin steak, choice	290	18	7

Lamb (4 oz. cooked, $\frac{1}{8}$ " trim)

	Calories	Sat. Fat (g)	Sat. Fat Total (g)
Shank, domestic	250	13	5
Loin chop, Australian	250	14	6.5
Leg, domestic	270	16	6.5
Shank, Australian	260	16	7
Leg, Australian	280	17	8
Shoulder blade chop, domestic	300	21	8.5
Loin chop, domestic	340	23	10
Rib roast, Australian	310	23	11
Shoulder arm chop, Australian	350	23	11
Shoulder blade chop, Australian	330	25	12
Rib roast, domestic	390	31	13

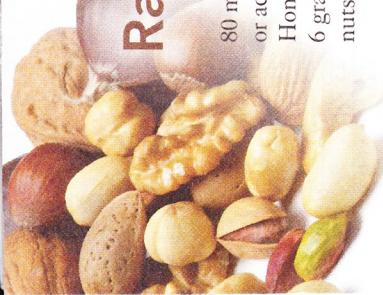
Veal (4 oz. cooked, no trim specified)

	Calories	Sat. Fat (g)	Sat. Fat Total (g)
Cutlet	180	5	2
Shoulder arm steak	210	9	4
Shoulder blade steak	210	10	4
Loin chop	250	14	6
Rib roast	260	16	6

For comparison (4 oz. cooked)

✓✓ Flounder	130	2	0.5
✓✓ Wild Coho Salmon	160	5	1

Rating Nuts & Seeds



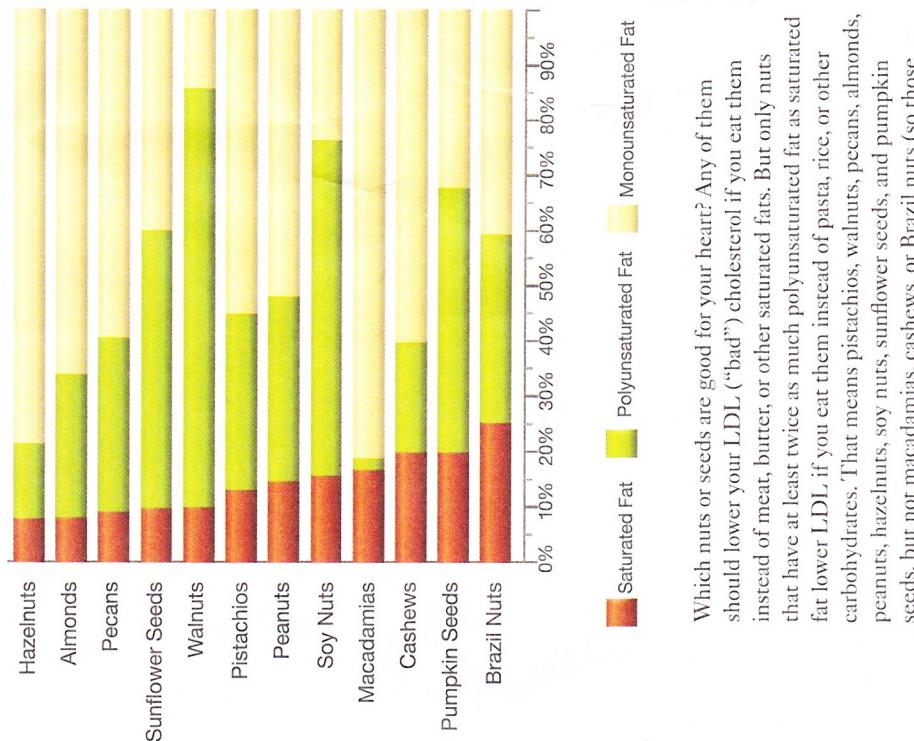
Individual nuts: Best Bites (VV) have no more than 80 milligrams of sodium per 1/4 cup (1 oz.) and no added sugar or acesulfame potassium (a poorly tested artificial sweetener).

Honorable Mentions (V) can have up to 120 mg of sodium and 6 grams (1½ tsp.) of added sugar. We disqualified cashews, Brazil nuts, and macadamias (see "The Nut Case").

Mixed nuts: Best Bites have no more than 80 mg of sodium and 2 grams of saturated fat, and contain no sugar, acesulfame potassium, or ingredients like granola or sesame sticks. Honorable Mentions can have up to 120 mg of sodium and 6 grams of sugar.

	Sodium (mg)	Total Fat (g)	Poly	Sat
Almonds (50 grams—about 40 nuts)	300	11	2	0
VV Raw or roasted, unsalted, any brand	280	8	4	10
Cashews (50 grams—about 30 nuts)	290	13	3.5	10
Raw or roasted, unsalted, any brand	280	10	2.5	0
Peanuts (50 grams—about 50 nuts)	310	7	2	0
VV Raw or roasted, unsalted, any brand	340	6	3	0
Pistachios (50 grams—about 90 nuts)	360	4	6	0
VV Raw or roasted, unsalted, any brand	330	7	7.5	0
Miscellaneous Nuts (approx. number of nuts in 50 g, raw or roasted)	360	5	3.5	130
VV Filberts or Hazelnuts (35)	240	20	1.5	400
VV Pecans (35 halves) or Walnuts (25 halves) ¹	260	16	4	10
Macadamias (20)	290	10	3	0
Brazil nuts (10)				
Macadamias, salted (20)				
V V Pecans, salted (35 halves)				
Soy nuts, salted (1/2 cup)				
Pumpkin Seeds (50 grams—about 1/3 cup—raw or roasted)				
VV Pumpkin kernels, unsalted				
Sunflower Seeds (50 grams—about 1/2 cup—raw or roasted)				
VV Sunflower kernels, unsalted				

THE NUT CASE



Which nuts or seeds are good for your heart? Any of them should lower your LDL ("bad") cholesterol if you eat them instead of meat, butter, or other saturated fats. But only nuts that have at least twice as much polyunsaturated fat as saturated fat lower LDL if you eat them instead of pasta, rice, or other carbohydrates. That means pistachios, walnuts, pecans, almonds, peanuts, hazelnuts, soy nuts, sunflower seeds, and pumpkin seeds, but not macadamias, cashews, or Brazil nuts (so those three don't get a Best Bite).

Source: U.S. Department of Agriculture Nutrient Database.

VV Best Bite. ✓ Honorable Mention. ¹ Average.
Daily Limits (for a 2,000-calorie diet): Saturated Fat: 20 grams. Sodium: 1,500 milligrams. Sugar: 40 grams (10 teaspoons).