

Table 1: Values for eleven nutrients from USDA<sup>1</sup> for 43 crops, including their average nutrient rank and water footprint rank. Corresponds to Section 3.2.

Crop	NDB Number	Average Nutrient Rank	Protein (g) [rank]	Fiber (g) [rank]	Vitamin A (μg) [rank]	Vitamin C (mg) [rank]	Vitamin E (mg) [rank]	Calcium (mg) [rank]	Iron (mg) [rank]	Magnesium (mg) [rank]	Potassium (mg) [rank]	Saturated Fat (g) [rank]	Sodium (mg) [rank]	Water Footprint Rank
Almonds	12061	13.3	21.2 [1]	12.5 [1]	0.0 [40]	0.0 [42]	25.6 [1]	268.6 [1]	3.7 [3]	270.0 [1]	733.0 [2]	3.8 [41]	1.0 [13]	43
Apples	09003	30.2	0.3 [43]	2.4 [17]	3.2 [27]	4.6 [33]	0.2 [25]	6.4 [37]	0.1 [41]	4.8 [42]	107.2 [41]	0.0 [16]	0.8 [10]	22
Apricots	09021	18.1	1.4 [15]	2.0 [25]	96.1 [7]	10.0 [19]	0.9 [8]	12.9 [28]	0.4 [22]	10.3 [29]	258.7 [18]	0.0 [13]	1.3 [15]	33
Artichokes	11007	14.7	3.3 [8]	5.4 [6]	1.3 [32.5]	11.7 [18]	0.2 [22]	44.0 [9]	1.3 [9]	60.0 [6]	370.0 [8]	0.0 [1]	94.0 [42]	29
Asparagus	11011	18.0	2.2 [11]	2.1 [24]	38.1 [10]	5.6 [31]	1.1 [6]	23.9 [20]	2.1 [7]	14.2 [18]	202.2 [23]	0.0 [24]	2.2 [24]	39
Blueberries	09050	26.5	0.7 [34]	2.4 [16]	2.7 [30]	9.7 [20]	0.6 [15]	6.1 [39]	0.3 [32]	6.1 [41]	77.0 [42]	0.0 [14]	0.7 [9]	28
Broccoli	11090	14.0	2.8 [10]	2.6 [14]	30.7 [11]	89.2 [2]	0.8 [10]	46.6 [8]	0.7 [14]	20.5 [13]	315.9 [12]	0.0 [22]	33.0 [38]	17
Cabbage	11109	20.5	1.3 [17]	2.5 [15]	4.5 [24]	36.6 [9]	0.1 [27]	40.4 [10]	0.5 [19]	12.4 [22]	169.7 [30]	0.0 [18]	18.0 [34]	15
Cantaloupe	09181	26.5	0.8 [32]	0.9 [39]	169.2 [6]	36.7 [8]	0.1 [36]	9.0 [35]	0.2 [37]	12.2 [23]	267.3 [16]	0.1 [28]	16.0 [32]	7
Carrots	11124	20.2	0.9 [27]	2.8 [12]	834.5 [1]	5.9 [29]	0.7 [14]	32.7 [15]	0.3 [29.5]	11.8 [25]	320.0 [11]	0.0 [19]	69.1 [40]	2
Cauliflower	11135	23.8	1.9 [13]	2.0 [27]	0.0 [40]	48.2 [7]	0.1 [33]	22.4 [22]	0.4 [20]	15.0 [17]	299.1 [14]	0.1 [32]	29.9 [37]	17
Cherries	09070	23.5	1.1 [24]	2.1 [21]	2.9 [29]	7.0 [26]	0.1 [34]	13.0 [27]	0.4 [24]	10.9 [27]	221.7 [22]	0.0 [20]	0.0 [4.5]	36
Corn	11167	23.4	3.3 [7]	2.3 [19]	9.0 [21]	6.8 [27]	0.1 [32]	2.0 [43]	0.5 [18]	37.0 [7]	270.0 [15]	0.3 [37]	15.0 [31]	23
Cucumbers	11205	27.7	0.7 [37]	0.5 [41.5]	5.0 [23]	2.8 [36]	0.0 [38]	16.0 [24]	0.3 [29.5]	13.0 [20.5]	147.0 [34]	0.0 [2]	1.7 [19]	21
Figs	09089	22.0	0.8 [33]	2.9 [11]	7.1 [22]	2.1 [38]	0.1 [31]	35.7 [13]	0.4 [26]	17.9 [14]	232.1 [20]	0.1 [30]	0.0 [4.5]	34
Garlic	11215	19.6	6.3 [6]	2.1 [22.5]	0.0 [40]	31.2 [11]	0.0 [42.5]	181.0 [2]	1.7 [8]	25.0 [9.5]	400.0 [7]	0.1 [34]	17.0 [33]	19
Grapefruit	09111	24.9	0.6 [39]	1.1 [36]	46.1 [8]	34.4 [10]	0.1 [28]	12.2 [29]	0.1 [43]	7.8 [37]	139.1 [36]	0.0 [3]	0.0 [4.5]	8
Grapes, Table	09132	29.8	0.7 [35]	0.9 [38]	3.3 [26]	3.2 [35]	0.2 [21]	9.9 [33]	0.4 [25]	7.3 [38]	190.7 [26]	0.1 [29]	2.0 [22]	24
Honeydew	09184	32.0	0.5 [41]	0.8 [40]	2.9 [28]	18.0 [15]	0.0 [40]	5.9 [41]	0.2 [39]	10.0 [31]	228.2 [21]	0.0 [21]	18.2 [35]	7
Kiwifruit	09148	15.8	1.1 [20]	3.0 [10]	4.0 [25]	92.7 [1]	1.5 [5]	33.9 [14]	0.3 [28]	16.9 [15]	311.9 [13]	0.0 [17]	2.8 [26]	30

Commodity Data: 2010-2014														
Commodity	ID	2010			2011			2012			2013			Total
		Value	Min	Max	Value	Min	Max	Value	Min	Max	Value	Min	Max	
Lemons	09150	23.1	1.1 [22]	2.8 [13]	0.9 [35]	53.0 [6]	0.2 [26]	25.9 [18]	0.6 [17]	8.0 [36]	138.2 [37]	0.0 [23]	1.9 [21]	10
Lettuce	11253	19.2	1.3 [16]	1.3 [34]	370.0 [5]	9.2 [22]	0.2 [23]	36.0 [12]	0.8 [11]	13.0 [20.5]	194.0 [25]	0.0 [7]	28.0 [36]	1
Nectarines	09091	23.3	1.1 [23]	1.7 [30]	16.8 [17]	5.4 [32]	0.8 [11]	6.3 [38]	0.3 [31]	9.1 [34.5]	200.7 [24]	0.0 [11]	0.0 [4.5]	26
Oats	20038	18.8	16.9 [3]	10.6 [2.5]	0.0 [40]	0.0 [42]	0.0 [42.5]	54.0 [7]	4.7 [1]	177.0 [2]	429.0 [5]	1.2 [39]	2.0 [23]	40
Olives	09193	24.9	0.9 [30]	3.2 [7]	20.3 [14]	0.9 [40]	1.7 [4]	88.0 [6]	3.3 [4]	4.0 [43]	8.0 [43]	1.4 [40]	735.0 [43]	35
Onions	11282	29.9	1.1 [21]	1.7 [29]	0.0 [40]	7.4 [25]	0.0 [39]	23.1 [21]	0.2 [36]	10.0 [31]	146.3 [35]	0.0 [25]	3.8 [27]	4
Oranges	09200	19.3	0.9 [26]	2.4 [18]	11.1 [19]	53.2 [5]	0.2 [24]	40.0 [11]	0.1 [42]	10.0 [31]	181.1 [28]	0.0 [4]	0.0 [4.5]	9
Peaches	09326	24.5	0.9 [29]	1.5 [31]	16.2 [18]	6.6 [28]	0.7 [12]	5.8 [42]	0.2 [34]	9.1 [34.5]	190.3 [27]	0.0 [9]	0.0 [4.5]	26
Pears	09252	29.5	0.4 [42]	3.1 [9]	1.3 [32.5]	4.3 [34]	0.1 [30]	9.3 [34]	0.2 [38]	6.7 [40]	116.0 [38]	0.0 [10]	1.3 [17]	18
Peppers	11333	23.1	0.9 [28]	1.7 [28]	18.0 [15]	80.4 [3]	0.4 [17]	10.0 [31.5]	0.4 [23]	10.7 [28]	175.0 [29]	0.0 [27]	2.7 [25]	11
Pistachios	12151	10.4	20.2 [2]	10.6 [2.5]	26.0 [13]	5.6 [30]	2.9 [2]	105.0 [3]	4.0 [2]	121.0 [4]	1,025.0 [1]	5.9 [42]	1.0 [13]	41
Plums	09279	28.7	0.7 [36]	1.4 [32]	17.0 [16]	9.5 [21]	0.3 [20]	6.1 [40]	0.2 [40]	7.3 [39]	157.0 [31]	0.2 [36]	0.0 [4.5]	32
Potatoes	11352	21.0	2.0 [12]	2.1 [22.5]	0.0 [40]	19.7 [14]	0.0 [41]	11.8 [30]	0.8 [13]	22.9 [11]	421.2 [6]	0.0 [12]	5.9 [30]	38
Pumpkins	11422	19.6	1.0 [25]	0.5 [41.5]	426.0 [4]	9.0 [23]	1.1 [7]	21.0 [23]	0.8 [11]	12.0 [24]	340.0 [9]	0.1 [35]	1.0 [13]	14
Raspberries	09302	15.9	1.2 [19]	6.5 [5]	1.6 [31]	26.2 [13]	0.9 [9]	25.2 [19]	0.7 [15]	22.0 [12]	151.2 [33]	0.0 [8]	0.8 [11]	20
Rice	20444	26.8	7.1 [5]	1.3 [33]	0.0 [40]	0.0 [42]	0.0 [37]	28.0 [17]	0.8 [11]	25.0 [9.5]	115.0 [39]	0.1 [33]	5.0 [28.5]	37
Spinach	11457	12.5	2.9 [9]	2.2 [20]	470.0 [3]	28.0 [12]	2.0 [3]	100.0 [4]	2.7 [6]	80.0 [5]	556.7 [3]	0.1 [31]	80.0 [41]	5
Squash	11641	22.9	1.2 [18]	1.1 [37]	9.7 [20]	17.0 [16]	0.1 [29]	15.0 [26]	0.4 [27]	16.8 [16]	261.9 [17]	0.0 [26]	1.8 [20]	14
Strawberries	09316	21.7	0.7 [38]	2.0 [26]	1.3 [34]	58.8 [4]	0.3 [19]	15.8 [25]	0.4 [21]	13.2 [19]	153.3 [32]	0.0 [5]	1.3 [16]	3
Sweet Potatoes	11507	18.7	1.6 [14]	3.1 [8]	709.0 [2]	2.4 [37]	0.3 [18]	30.0 [16]	0.6 [16]	25.9 [8]	337.0 [10]	0.5 [38]	55.0 [39]	31
Tomatoes	11529	23.7	0.9 [31]	1.2 [35]	42.2 [9]	13.7 [17]	0.5 [16]	10.0 [31.5]	0.3 [33]	11.1 [26]	237.2 [19]	0.0 [15]	5.0 [28.5]	27
Walnuts	12155	15.8	15.2 [4]	6.7 [4]	0.8 [36]	1.3 [39]	0.7 [13]	98.3 [5]	2.9 [5]	158.3 [3]	440.8 [4]	6.1 [43]	1.7 [18]	42
Watermelon	09326	28.0	0.6 [40]	0.4 [43]	28.3 [12]	8.1 [24]	0.1 [35]	7.2 [36]	0.2 [35]	9.9 [33]	111.8 [40]	0.0 [6]	0.0 [4.5]	12

Table 2: California economic and production values from CDFA<sup>ii</sup> and water footprint values from Mekonnen and Hoekstra<sup>iii</sup> for 45 crops. Corresponds to Section 3.3

Crop	2004-2015 Average Price (\$USD/tonne)	2004-2015 Average Price (rank)	2014 Total Value (\$USD)	2014 Production (tonnes)	2014 Water Footprint (cubic meters)	2014 Value: Water Footprint Ratio	1996-2005 Average Water Footprint (cubic meters/tonne)	Water Footprint Rank
Alfalfa Hay	\$177	45	\$1,518,159,000	6,220,190	1,822,644,770	0.833	323	18
Almonds	\$8,265	1	\$7,611,860,700	1,039,884	12,248,679,290	0.621	12984	45
Apples	\$786	22	\$99,243,300	172,592	70,770,939	1.402	452	23
Apricots	\$1,065	16	\$71,955,800	86,393	78,217,685	0.920	998	35
Artichokes	\$1,389	13	\$48,167,260	33,046	23,653,301	2.036	789	31
Asparagus	\$2,427	6	\$61,056,388	23,387	56,117,208	1.088	2645	41
Blueberries	\$5,879	2	\$120,622,800	22,437	13,718,940	8.792	674	30
Broccoli	\$675	24	\$412,776,790	454,000	121,911,149	3.386	296	17
Cabbage	\$359	38	\$127,380,120	369,680	96,250,659	1.323	287	15
Cantaloupe	\$353	39	\$152,852,800	455,832	74,434,312	2.054	180	7
Carrots	\$332	41	\$40,881,000	200,200	22,339,068	1.830	123	2
Cauliflower	\$950	20	\$197,891,000	182,381	48,974,179	4.041	296	17
Cherries	\$3,833	5	\$185,487,640	40,325	60,324,106	3.075	1649	38
Corn	\$504	33	\$85,109,400	167,589	76,169,148	1.117	501	24
Cucumbers	\$777	23	\$17,505,740	34,189	12,809,504	1.367	413	22
Figs	\$1,920	9	\$31,027,690	13,409	12,346,910	2.513	1015	36
Garlic	\$979	19	\$246,155,790	194,362	67,002,471	3.674	380	20
Grapefruit	\$558	30	\$77,737,200	139,348	25,535,712	3.044	202	8
Grapes, Table	\$1,517	12	\$2,445,158,000	1,466,000	692,895,202	3.529	521	26
Grapes, Wine	\$1,219	15	\$3,453,121,000	3,881,717	1,834,667,862	1.882	521	26
Honeydew	\$377	35	\$48,209,000	111,958	18,281,991	2.637	180	7

Kiwifruit	\$1,357	14	\$121,531,200	75,157	54,340,499	2.236	797	32
Lemons	\$670	26	\$736,076,600	733,330	148,354,313	4.962	223	10
Lettuce	\$370	36	\$927,094,000	1,812,290	184,137,218	5.035	112	1
Nectarines	\$1,572	11	\$302,243,300	209,800	119,906,270	2.521	630	28
Oats	\$220	44	\$2,646,800	14,440	35,421,728	0.075	2704	42
Olives	\$1,042	18	\$104,516,500	129,555	126,227,599	0.828	1074	37
Onions	\$407	34	\$345,086,930	1,222,946	164,196,864	2.102	148	4
Oranges	\$516	32	\$1,215,176,100	1,732,575	344,216,765	3.530	219	9
Peaches	\$523	31	\$309,511,500	426,520	243,767,504	1.270	630	28
Pears	\$674	25	\$80,078,000	154,502	50,738,607	1.578	362	19
Peppers	\$641	27	\$308,687,520	471,450	98,369,245	3.138	230	11
Pistachios	\$4,662	4	\$1,650,705,000	273,372	845,676,514	1.952	3410	43
Plums	\$1,574	10	\$245,025,900	197,508	164,663,015	1.488	919	34
Potatoes	\$346	40	\$179,694,670	719,431	1,102,337,693	0.163	1689	40
Pumpkins	\$311	43	\$24,940,900	69,937	17,511,040	1.424	276	14
Raspberries	\$5,216	3	\$462,129,000	84,040	29,199,854	15.826	383	21
Rice	\$368	37	\$846,270,000	1,983,390	2,968,847,734	0.285	1650	39
Spinach	\$1,063	17	\$19,861,000	15,704	2,535,865	7.832	178	5
Squash	\$608	28	\$29,199,700	40,271	10,083,176	2.896	276	14
Strawberries	\$2,024	8	\$1,834,816,000	942,472	115,424,522	15.896	135	3
Sweet Potatoes	\$589	29	\$243,541,000	305,400	226,353,362	1.076	817	33
Tomatoes	\$894	21	\$354,707,000	521,350	302,222,015	1.174	639	29
Walnuts	\$2,126	7	\$2,356,584,000	674,200	4,108,890,885	0.574	6718	44
Watermelon	\$314	42	\$108,088,100	316,994	66,429,179	1.627	231	12