

United States Department of Agriculture

Human Nutrition Information Service

Home Economics Research Report Number 48

Sugar Content of Selected Foods:

Individual and Total Sugars

Ruth H. Matthews, Pamela R. Pehrsson, and Mojgan Farhat-Sabet

The values in this table are superseded by those in the USDA National Nutrient Database for Standard Reference, Release 16. Access to this table is provided here for those users who may wish to use it for historical reasons.

Some values for individual sugars in this table have not been transferred to SR16.

en en general de la servicie de la company de la compan La company de la company de

Acknowledgments The authors gratefully acknowledge students Judith Acey, Christie Folk, Pamela Hyde, Janis Jibrin, Mary Kalscheur, and Pamela Reid for their technical assistance; Johna L. Pierce, Gerald Smith, Carol A. Harris, and Joanne Rosenthal Levine for editorial and production assistance; and David Haytowitz, and Alice M. Moscatelli for assistance with format.

Contents	Introduction	1
	Table 1. Sugar Content of Selected Foods,100 Grams, Edible Portion	3
	Table 2. Sugar Content of Selected Foods,Common Measures, Edible Portion	15
	Table 3. Raffinose and Stachyose in SelectedFoods, 100 Grams, Edible Portion	29
	Table 4. Mannitol and Sorbitol in Selected Foods,100 Grams, Edible Portion	30
	Sources of Data	31
	Index	37

Page

Sugar Content of Selected Foods:

Individual and Total Sugars

Introduction

The tables of values for individual sugars and total sugars on pages 3-30 were developed from an extensive review of recent scientific literature and from research funded by the Human Nutrition Information Service, United States Department of Agriculture. Values are based primarily on food samples analyzed by high-pressure liquid chromatography (HPLC) or gas chromatography (GC).

Monosaccharides, disaccharides and total sugars. -- Sugars are categorized as monosaccharides (galactose, glucose, and fructose); disaccharides (lactose, sucrose, and maltose); and other sugars (trioses and tetroses). Total sugar data generated by direct analyses are presented in the tables without brackets. Values for total sugar that appear in brackets are sums of the listed individual sugars and are believed to be representative of the total sugar content in that food item. Values for the prepared forms of certain foods (e.g. some beverage mixes. legumes, pastas, and baked products) are calculated from data for the unprepared form or ingredients and also appear in brackets. Such calculated values for cooked and baked food items do not take into account starch breakdown and variations in nutrient retention that may occur. The entry "[0.0]" is used if no data are available but none of that sugar is expected to be present. An asterisk signifies that reliable data are lacking but, based on knowledge of that food item, the presence of some of that sugar is expected. A dash signifies that reliable data are lacking and we do not know if any of that sugar is present.

Moisture.--Values are included here as

supplemental information for reference purposes. Moisture content varies considerably between different forms of the same food (e.g. raw fruit is high in moisture and relatively low in sugars but dried fruit is low in moisture and relatively high in sugars). Data were taken from several sources including Agriculture Handbook Nos. 8 and 456, and research articles. An asterisk indicates that reliable data are lacking.

Raffinose and stachyose.--Raffinose, a trisaccharide, and stachyose, a tetrasaccharide, are found primarily in legumes and some grains and vegetables. Raffinose and stachyose values for these foods are given in Table 3.

Mannitol and sorbitol.--Mannitol and sorbitol, two sugar alcohols found naturally in some plants, are added to some dietetic foods. Table 4 shows mannitol and sorbitol values for selected foods.

Notes on Food Groups

Beverages.--Only data for beverages produced in the United States are included because formulations differ in other countries. For carbonated beverages, generic names are used. Data for many of the carbonated beverages and fruit drinks reflect the use of high fructose corn syrup as a sweetener.

Fruits and vegetables.--Sugar content of fruits and vegetables varies depending upon cultivar, maturity, storage conditions, and crop year. For vegetables, the description "cooked" usually indicates that the vegetables were boiled. Comparisons between total sugars in these tables and total carbohydrate in other publications should be avoided because total

carbohydrate content includes other components such as dietary fiber, starch, other unaccounted-for sugars, and organic acids.

Grains, cereals, and baked products. --Only commercial samples are included in the compilation of sugar values for pastas and baked products because home recipes for these products vary considerably. Generic names are used for ready-to-eat breakfast cereals. Legumes.--Similar species of many legumes are grouped together. Common beans (Phaseolus vulgaris) include navy beans, great northern beans, red beans, pink beans, white beans, pinto beans, and red kidney beans. Broadbeans include winter field beans, fava beans, and horsebeans. Although sucrose and raffinose values are similar across samples and species of legumes, stachyose values often vary considerably. Sugar values vary widely depending on maturity and cultivar.

Meat and poultry products.--Variations in industry formulations for luncheon meats partially account for the ranges in sugar values. For example, starch fillers vary in amount and type among formulations; therefore, breakdown products (sugars) may vary.

Milk and milk products.--The sugar content of naturally aged cheeses may differ from processed cheeses because lactose continues to break down as cheese ages. Since formulations for yogurt in the United States differ from those in other countries (e.g. variations in added milk solids), only data for samples produced and analyzed in the United States are included.

Nuts and seeds. -- Raw nuts and seeds, except for chestnuts and coconut, are assumed to be dried. Sugars and sweets.--Values for sugar in some candy bars were derived from industry formulations. For many of the candies, generic descriptions are used instead of brand names.

Vegetables.--see "Fruits and vegetables."

Many baked products, beverages, and sweets are commerically sweetened and vary in amount and type of sugar in the formulations. A beverage, for example, may contain sucrose or high fructose corn syrup (glucose and fructose) or a combination of the two sweeteners. Thus, different brands of a single product may vary in content of glucose, fructose and sucrose.

Abbreviations

The following is a list of the abbreviations used for household measures in Table 2:

diameter	diam
fluid ounce	fl oz
ounce	ΟZ
tablespoon	tbsp
teaspoon	tsp
quart	qt

The sugar data presented in these tables are tentative. Analyzed values on which some of the table values are based, differ widely. Variations in reliability and validity of the several currently used analytical methodologies can account for differences. Additional data will be generated from analyses conducted under research grants and contracts and from continuing research in the scientific community. When such data become available, these tables will be updated and expanded.

[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present; [0.0] denotes lack of data for sugar thought not to be present; brackets around Total sugars data denote calculated value]

Food item	Moisture	M	onosaccha	rides	I	Disacchari	des	Other	Total
rood item	moisture	Galactose	Glucose	Fructose		Sucrose		sugars	sugars
	percent				gran	ns			
Baked Products									
Biscuit mix:		TA A 1					*	*	
Dry Prepared with water	7.5 28.5	[0.0] [0.0]	3.0 [2.4]	*	1.3 [1.0]	1.3 [1.0]	*	*	[5.6] [4.4]
Breads:	20.5	[0.0]	[4,4]		[]	[]			1.11.41
White	37.0	[0.0]	1.8	1.5	*	0.1	0.5	*	[3.9]
Toasted	28.0	[0.0]	1.7	2.2	*	*	0.2	*	[4.1]
Whole-wheat	38.0	[0.0]	1.6	2.0	*	*	0.4	*	[4.0]
Toasted	29.0	[0.0]	1.6	2.3	*	*	0.6	×	[4.5]
Breakfast bar, meal replacement	9.7	[0.0]	6.4	3.0	1.0	29.1	1.8	*	41.4
Cakes:	5.7	[0.0]	0.4	5.0	1.0	23.1			41.4
Fruit	18.4	[0.0]	11.3	11.3	0.0	20.5	0.0	*	43.1
Sponge, jam-filled	32.0	[0.0]	8.1	3.9	0.0	35.7	0.0	*	47.7
lookies :									
Animal crackers	3.0	[0.0]	1.8	1.0	0.0	19.6	0.3	*	22.7
Chocolate chip	4.0	[0.0]	0.7	0.3	1.8	22.2	0.0	*	25.0
Wafer, chocolate	4.0	[0.0]	0.2	1.3	0.6	37.2	1.2	* 1	40.5
Crackers, rye	5.0	[0.0]	0.5	0.9	0.0	1.3	0.5	*	3.2
oughnuts, cake-type	21.0	[0.0]	3.1	*	1.8	12.0	*	*	[16.9]
nglish muffin, toasted,		[a a]			<u> </u>			*	
buttered	*	[0.0]	1.0	0.3	0.2	0.0	2.0	*	3.8
Granola bar, plain,	4 3	[0 0]	1 2	1 11	[0 0]	17 1	*	*	f 10 7
crunchy	4.3	[0.0]	1.2	1.4	[0.0]	17.1	°.	ĥ	[19.7]
Baked, fruit	48.5	[0.0]	5.7	2.8	0.0	21.5	0.9	*	30.9
Fried:	40.5	[0.0]	5.7	1.0	0.0	211.5	0.5		50.5
Apple	42.5	[0.0]	2.0	2.4	0.2	6.1	0.8	*	11.5
Cherry	42.5	[0.0]	5.8	5.2	0.0	*	0.8	*	11.8
olls, hamburger	34.0	[0.0]	6.5	*	0.9	*	*	*	[7.4]
Beverages'									
Beer:									
Light	95.2	[0.0]	0.6	*	[0.0]	*	0.1	0.0	*
Regular	92.3	[0.0]	0.1	0.2	[0.0]	*	0.1	0.0	*
Beer cooler	86.7	[0.0]	3.0	3.9	[0.0]	0.0	_	_	[6.9]
Brandy, cherry	*	[0.0]	16.5	16.1	[0.0]	0.0	-	-	32.6
Carbonated beverages:						-			
Cola	89.4	[0.0]	4.0	4.4	[0.0]	2.1	0.1	0.0	10.6
Diet, all flavors	99.8	[0.0]	0.0	0.0	[0.0]	0.0	-	[0.0]	0.0
Ginger ale	91.2	[0.0]	3.1	3.7	[0.0]	1.9	-	_	[8.7]
Lemon-lime	89.5	[0.0]	4.1	6.1	[0.0]	*	-	-	[10.2
Pepper-type	89.4	[0.0]	5.3	4.4	[0.0]	0.2	-	0.0	9.9
Root beer	89.3	[0.0]	3.2	3.2	0.0	5.6	0.0	-	11.9
Chocolate malted flavor									
mix:						~ ~			T
Dry	1.3	-	*	4.1	5.8	3.2	27.5	-	[40.6]
Prepared with milk	81.1	-	*	0.3	4.1	0.2	2.2	-	[6.8]
Coffee, flavored:	1.2						0.0	_	164 4
Capuccino, dry	1.3	-	1.5	-	-	49.0		-	[51.1] [3.7]
Prepared Mocha, dry	92.6 1.7	-	[0.1] 1.6	-	-	[3.6] 41.0	[0.0] 1.2	_	[45.2
Prepared	94.0	-	[0.1]	-	[0.1]	[2.3]	[0.1]	_	[45.2
ruit drinks:	54.0		[011]		[0.1]	[4,3]	[0.1]		[2.0
Cherry, canned	² 88.4	[0.0]	5.2	4.1	0.0	0.8	0.5	-	10.7
Citrus, frozen concen-		[2:0]			5.0				
trate, prepared	87.8	[0.0]	*	*	[0.0]	*	-	-	10.6
Lemonade :		[3. • •]							
Dry mix	0.3	[0.0]	0.0	0.0	[0.0]	52.0	-	-	[52.0
Prepared	89.7	[0.0]	[0.0]	[0.0]	[0.0]	[5.5]	-	-	[5.5
Dry mix with	-								
aspartame	1.8	[0.0]	0.0	0.0	[0.0]	0.0	-	-	[0.0
Prepared	99.3	[0.0]	[0.0]	[0.0]	[0.0]	[0.0]	-	-	[0.0]
Frozen concentrate	52.3	[0.0]	20.8	15.8	[0.0]	4.9	-	-	[41.4
	89.3			[3.5]		[1.1]	-	-	

¹Prepared with water unless specified otherwise. ²Value from similar food.

[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present; [0.0] denotes lack of data for sugar thought not to be present; brackets around Total sugars data denote calculated value] 10

Food item	Moisture	M	onosaccha	rides	4	Disacchari	des	Other	Total
Food Item	worsture	Galactose	Glucose	Fructose	Lactose	Sucrose	Maltose	sugars	sugars
• • • • • • • • • • • • • • • • • • • •	percent				gran	ns			
Beverages ¹ Con.									
Fruit drinks (con.):									
Orange, breakfast type:									
Dry mix	0.2	[0.0]	8.0	7.4	[0.0]	75.0	-	-	[90.4]
Prepared	88.1	[0.0]	[1.0]	[0.9]	[0.0]	[8.9]	-	-	[10.8]
Frozen concentrate	59.2	[0.0]	10.8	6.6	[0.0]	14.6	2.8	-	[34.8]
Prepared	87.6	[0.0]	[3.1]	[1.9]	[0.0]	[4.2]	[0.8]	-	[10.0]
Orange, canned	86.9	[0.0]	0.0	0.0	0.0	7.2	0.0	_	
Punch:									7.2
Canned	88.0	[0.0]	3.4	3.7	[0.0]	3.7	0.0	-	11.3
Dry mix	1.4	[0.0]	2.9	0.0	[0.0]	57.1	-	-	[60.0]
Prepared	90.4	[0.0]	4.1	4.2	[0.0]	3.4	-	-	11.6
Frozen concentrate	58.2	[0.0]	10.2	7.9	[0.0]	18.1	-	-	[36.2]
Prepared	88.2	[0.0]	[2.9]	[2.2]	[0.0]	[5.1]	-	-	[10.2]
_iqueur :			[===]	1	[~ • • •]	12111			[]
Coffee	31.0	10 01	3.6	3 5	[0 0]	20 9	1 0	0.7	[20 0]
Coffee with susse		[0.0]	3.0 *	3.6	[0.0]	29.8	1.8	0.2	[39.0]
Coffee with cream	46.5	-		*	*	17.3	*	*	*
Orange	*	[0.0]	1.3	0.0	[0.0]	27.1	-	*	[28.4]
Rum	66.6	[0.0]	-	[0.0]	[0.0]	-	-	-	0.0
Sherry, medium, dry	72.5	[0.0]	1.8	1.8	[0.0]	0.0	-	-	3.6
Fea, brewed:		-				-			• •
Black	99.7	[0.0]	[0.0]	[0.0]	[0.0]	[0.0]	-	-	0.0
Herbal	99.7	[0.0]		-	[0.0]	~ [• • •]	_	_	0.0
Thirst-quencher drink,	55.1	[0.0]			[0.0]		—	-	0.0
canned	02 5	10 01	.	- ·	[0.0]				
/ermouth:	93.5	[0.0]	2.4	2.1	[0.0]	1.4	-	-	5.9
Dry	*	[0.0]	1.9	2.0	[0.0]	1.6	_	_	5.5
Sweet	*	[0.0]	6.1	6.1	[0.0]	3.7	-	_	15.9
/odka	66.6	[0.0]	_	-	[0.0]	5.7	_	-	
Whiskey sour, mix, without alcohol:	00.0	[0.0]		-	[0.0]	-	_	-	0.0
Dry	0.6	[0.0]	1.0	0.0	[0.0]	71.4	0.0	_	[72.4]
Liquid	78.2	[0.0]	7.9	8.2	[0.0]		-	_	
line:	/0.2	[0.0]	1.5	0.2	[0.0]	3.8	2.3	-	[22.2]
	00 F	[0.0]		*	[0 0]				
Red	88.5	[0.0]	0.1		[0.0]	-	-	-	*
Rose	88.9	[0.0]	0.8	1.7	[0.0]	0.0	-	-	2.5
White	89.6	[0.0]	0.4	0.3	[0.0]	0.0	-	-	0.6
Vine cooler	85.0	[0.0]	3.7	3.6	[0.0]	2.7	-	-	[10.0]
Vine without alcohol	94.6	[0.0]	1.8	1.9	[0.0]	0.0	_	-	[3.7]
Dairy Products		[]			[0.0]	0.0			[5.7]
-									
Cheese: Natural:									
	36 0	A 0	A 4	10 01	~ ~	[0.0]		<u> </u>	r
Cheddar	36.8	0.8	0.1	[0.0]	0.7	[0.0]	-	0.2	[1.8]
Cottage:				1	_	• -			
Creamed (4% fat)	79.0	-	-	[0.0]	0.6	[0.0]	-	[0.0]	[0.6]
Lowfat (less than						_		_	
0.5% fat)	79.8	-	-	[0.0]	3.2	[0.0]	-	[0.0]	[3.2]
Cream	53.8	-	-	[0.0]	1.7	[0.0]	-	[0.0]	[1.7]
Mozzarelia	54.1	-	-	[0.0]	0.4	[0.0]	-	[0.0]	[0.4]
Neufchatel	62.2	-	-	[0.0]	1.0	[0.0]	-	[0.0]	[1.0]
Ricotta, made with:						[]		10.01	[v]
Whole milk	71.7	-	-	[0.0]	1.5	[0.0]	_	[0.0]	[1.5]
Skim milk	74.4	-	_		1.4		_		
		_			1.4	[0.0]		[0.0]	[1.4]
Swiss	37.2	-	0.3	[0.0]	•	0.3	-	0.1	[0.7]
Pasteurized process									
cheese food, American	43.2	[0.0]	0.1	[0.0]	9.7	0.0	-	-	[9.8]
Cream, whipping,									-
unwhipped	57.7	-	-	-	2.8	-	-	-	[2.8]
ce cream:	-								[2.0]
Chocolate	58.9	-	*	*	6.6	*	*	*	[21 4]
Coffee	58.9	_	*	*		*	*	*	[21.6]
Strawbarry		-	*	*	6.9	*	*		[21.9]
Strawberry	58.9				3.2			*	[18.2]
Vanilla	58.9	-	*	*	7.4	*	*	*	[22.4]
Mix, dry	*	-	2.0	1.0	6.2	8.9	*	*	

¹ Prepared with water unless specified otherwise.

[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present; [0.0] denotes lack of data for sugar thought not to be present; brackets around Total sugars data denote calculated value]

Food item	Moisture	M	onosaccha	rides	I	Disacchari	des	Other	Total
Food Item	moisture	Galactose	Glucose	Fructose	Lactose	Sucrose	Maltose	sugars	sugars
· · ·	percent				gran	ns			
airy Products—Con.									
ce milk (soft serve), fast food, with cone:									
Cake cone	64.6	[0.0]	0.9	0.1	5.7	10.0	0.7	*	17.4
Sugar cone	64.6	[0.0]	1.0	0.4	5.1	12.0	0.6	*	19.1
Fluid:	0.2 0	[0.0]	[0.0]	[0.0]		[0.0]	[0.0]		
Whole (3.4% fat) Skim	88.0 90.8	[0.0] [0.0]	[0.0] [0.0]	[0.0] [0.0]	4.9 4.4	[0.0] [0.0]	[0.0] [0.0]	* [0.0]	5.0 [4.4]
Acidophilus	*	0.7	[0.0]	[0.0]	2.6	[0.0]	[0.0]	[0.0]	[3.3]
Buttermilk Dry:	90.1	0.2	[0.0]	[0.0]	3.7	[0.0]	[0.0]	[0.0]	4.8
Whole	2.5	-	-	[0.0]	35.9	-	-	-	[35.9]
Nonfat	3.2	-	-	[0.0]	50.4	-	-	-	[50.4]
hakes, fast food: Chocolate	71.5	-	3,6	1.6	4.8	6.7	0.9	*	17.6
Strawberry	74.1	-	3,6	1.8	4.9	6,8	1.5	*	18.6
Vanilla /hey, acid or sweet, fluid	74,7 93.3	[0.0]	3.2 [0.0]	1.8	5.0 4.5	5.8 [0.0]	1.0	* [0.0]	17.8 [4.5]
ogurt, lowfat:	55.5	[0.0]	[0:0]	[0.0]	4.5	[0.0]		[0.0]	[4,3]
Plain	87,9 75.3	1.4 1.0	{0.0] 3.4	[0.0] 2.6	3.7 3.3	[0.0]	[0.0]	[0.0]	5.1
Strawberry		1,0	3.4	2.0	3.3	4.4	0.7	ň	15.3
GGSSee FAST FOOD ENTF ast Food Entrees	(EES								
heeseburger sandwich (includes roll):									
Regular	45.0	-	1.9	2.0	0,2	0.1	1.0	-	5.1
Double	45 8	-	1.0	1.1	0.1	0.1	0.6	-	2.9
ggs, scrambled nglish muffin with egg,	76.3	-	0.5	0.1	0.1	0.1	0.1	~	[0.9]
cheese, and canadian									
bacon ish sandwich (includes	49.0	-	0.7	0.3	0.1	0.1	0.9	-	2.0
roll)	43.0	-	0.8	1.3	0.2	0.3	0.7	-	3.3
amburger sandwich									
(includes roll): Regular	45.0	-	1.7	1.8	0.2	0,1	0.9	-	4.6
4-oz patty	50.0	-	1.7	1.7	0.1	0.1	0.8	-	4.3
ruits and Fruit Juices									
pples, raw, unpeeled	83 .9	[0.0]	2.3	7,6	[0.0]	3.3	0.1	_	[13.3]
pple juice, canned,	67 0		2 5	F (-
unsweetened	87, 9	[0.0]	2.5	5.6	[0.0]	1.7	-	-	10.9
sweetened	79.6	[0.0]	4.3	7.5	[0.0]	4.7	-	-	[16.5]
vpricots: Raw	86.4	[0.0]	1.6	0.7	[0.0]	5.2	1.0	_	9.3
Dried	31.1	[0.0]	20.3	12.2	[0.0]	5.4	-	-	[38.9]
vocados, raw	72.6	[0.0]	0.5	0.2	[0.0]	0.1	0.0	0.1	[0.9]
ananas, raw lackberries, raw	74.3 85.6	[0.0] [0.0]	4.2 3.1	2.7 4.1	[0.0] [0.0]	6.5 0.4	0.0 0.5	0.1	15.6 7.9
lueberries, raw	84.6	[0.0]	3.5	3.6	[0.0]	0.4	-	_	[7.3]
antaloup, raw	89.8	[0.0]	1.2	1.8	[0.0]	5.4	0.0	0.3	[8.7]
arambola, raw	90.9	[0.0]	3.1	3.2	[0.0]	0.8	-	-	[7.1]
herries, raw: Sour	86.1	[0.0]	4.3	3.3	[0.0]	0.5	0.0	-	[8.1]
Sweet	80.8	[0.0]	8.1	6.2	[0.0]	0.2	0.1	-	[14.6]
ranberry juice cocktail,	85.0	[0 0]	*	*	[0.0]	*	_	-	12 E
bottled	82.0	[0.0] [0.0]	3.3	3.7	[0.0]	1.0	0.0	-	13.5 [8.0]
ates, dried	22.5	[0.0]	*	*	[0.0]	44.6	-	-	64.2
igs: Raw	79.1	*	3.7	2.8	[0.0]	0.4	_	*	[6.9]
	12.1	4.1	5.7	2.0	[0.0]	6.5		1.3	[66.5]

[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present; [0.0] denotes lack of data for sugar thought not to be present; brackets around Total sugars data denote calculated value]

Food item	Moistan	Me	onosaccha	rides	I	Disacchari	des	Other	Total
Food item	Moisture	Galactose	Glucose	Fructose	Lactose	Sucrose	Maltose	sugars	sugars
	percent				gran	ns			
ruits and Fruit Juices—C	con.								
ruit cocktail, canned, solids and liquid,									
juice pack Grapefruit, raw Grapefruit juice:	87.4 90.9	_ [0.0]	6.0 1.3	6.0 1.2	[0.0] [0.0]	3.3 3.4	-	-	[15.3] 6.2
Raw Canned, unsweetened	90.0 90.1	[0.0] [0.0]	2.7 *	1.8 *	[0.0] [0.0]	1.8 *		-	[6.3] 7.5
Grapes, raw: American	81.3	-	6.6	6.9	[0.0]	1.4	1.5	*	[16.4]
European	80.6	0.4	6.5	7.6	[0.0]	0.4	3.1	0.1	[18.1]
centrate, reconstituted	86.9	-	[3.6]	[4.4]	[0.0]	*	-	*	14.2
Guava, raw ackfruit, raw Gwifruit, without skin:	86.1 73.2	[0.0] [0.0]	1.2 1.4	1.9 1.4	[0.0] [0.0]	1.0 5.4	*	-	6.0 18.4
Raw	83.0	[0.0]	5.0	4.4	[0.0]	1.1	-	-	[10.5]
Canned, in syrup	* 89.0	[0.0] [0.0]	4.2 1.0	5.8 0.9	[0.0] [0.0]	2.8 0.6	-	-	[12.8] 2.5
emon juice, raw	90.7	[0.0]	1.0	1.1	[0.0]	0.3	-	-	[2.4]
imes, raw, peeled	88.3	[0.0]	0.2	0.2	[0.0]	0.0	0.0	-	0.4
langos, raw	81.7	[0.0]	0.7	2.9	[0.0]	9.9	0.0	*	14.8
lectarines, raw	86.3 86.8	[0.0] [0.0]	1.2 2.2	1.1 2.5	[0.0] [0.0]	6.2 4.2	- 0.3	-	[8.5] 8.9
Pranges, raw Prange juice:	00.0	[0.0]	2.2	2.5	[0.0]	7.2	0.5		0.5
Raw	88.3	[0.0]	2.8	3.0	[0.0]	4.1	-	-	10.2
frozen concentrate, reconstituted	88.1	[0.0]	5.3	4.6	[0.0]	0.7	-	_	10.6
apaya, raw	88.8	[0.0]	1.4	2.7	[0.0]	1.8	0.0	*	[5.9]
assion fruit, raw eaches:	72.9	[0.0]	4.0	3.1	[0.0]	3.3	-	-	11.2
Raw Canned, solids and	87.7	[0.0]	1.1	1.3	[0.0]	5.6	0.7	-	[8.7]
liquid, juice pack	87.5	[0.0]	6.5	5.9	[0.0]	3.6	1.4	*	[17.4]
Dried	31.8	[0.0]	15.8	15.6	[0.0]	13.2	-	-	[44.6]
Raw Canned, solids and	83.8	[0.0]	1.9	6.4	[0.0]	1.8	0.4	*	[10.5]
liquid: Water pack	91.8	[0.0]	1.9	3.9	[0.0]	0.3	-	-	6.1
Juice pack	86.5	[0.0]	3.3	5.8	[0.0]	0.6	-	-	9.7
Light syrup pack	84.5	[0.0]	4.8	5.1	[0.0]	1.1	1.1	-	12.1
Heavy syrup pack	80.4 84.0	[0.0] [0.0]	6.1 1.6	5.9 7.1	[0.0] [0.0]	1.4	1.9	-	15.2 [8.7]
ineapple :	86.5	[0.0]	2.9	2.1	[0.0]	3.1	0.0	_	11.9
Raw Canned, solids and liquid:	80.5	[0.0]	2.5	2.1	[0.0]	5.1	0.0		11.5
Juice pack	83.5	[0.0]	7.7	6.5	[0.0]	0.0	-	-	[14.2]
Heavy syrup pack ineapple juice, canned, unsweetened	79.0 85.5	[0.0] [0.0]	7.5 *	7.2 *	[0.0] [0.0]	2.2 *	-	-	[16.9] 12.5
lums, raw:									
Common	85.2 78.7		2.7 3.1	1.8 3.3	[0.0]	3.0 5.0	0.0 0.3	*	[7.5] [11.7]
Prune omegranates, raw	78.7 81.0	[0.0] [0.0]	5.0	3.3	[0.0] [0.0]	0.4	0.3	-	8.9
runes, dried	32.4	[0.0]	28.7	14.8	[0.0]	0.5	-	-	[44.0]
rune juice, bottled	81.2	[0.0]	5.5	7.9	[0.0]	-	-	-	[13.4]
aisins	15.4	[0.0]	31.2	33.8	[0.0]	0.0	-	-	[65.0]
aspberries, raw	86.6		3.5	3.2	[0.0]	2.8	*	*	[9.5]
Rhubarb, raw Strawberries:	93.6	[0.0]	0.4	0.4	[0.0]	0.1			[0.9]
Raw Frozen, unsweetened	91.6 90.0	[0.0] [0.0]	2.2 3.0	2.5	[0.0] [0.0]	1.0 0.5	0.1	-	[5.7] [6.5]
Frozen, unsweetened	87.6	[0.0]	3.0	-	[0.0]	3.7	-	-	[7.4]
				3.3		3.6	0.5	0.0	[9.0]

[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present; [0.0] denotes lack of data for sugar thought not to be present; brackets around Total sugars data denote calculated value]

Fred Stew	Maiatura	M	onosaccha	rides	I	Disacchari	des	Other	Total
Food item	Moisture	Galactose	Glucose	Fructose	Lactose	Sucrose	Maltose	sugars	sugars
	percent				grar	<u>ns</u>			
irains and Cereals									
maranth, whole grain:	9.5	[0.0]	0.4	0.1	[0.0]	1.2	0.2	*	[1.9]
Raw Cooked reakfast cereals: Hot type: Farina, quick and	283.6	[0.0]	[0.1]	[0.0]	[0.0]	[0.1]	*	*	[0.2]
instant:	10.4	[0.0]	*	*	[0.0]	0.4	*	0.2	[0.6]
Dry Cooked Farina, regular:	85.5	[0.0]	*	*	[0.0]	0.1	*	0.0	*
Dry	10.7	[0.0]	*	*	[0.0]	0.2	*	0.1	[0.3]
Cooked Oatmeal or rolled oats: Regular or quick:	87.5	[0.0]	×	*	[0.0]	0.0	*	0.0	Ŷ
Dry	8.8	[0.0]	0.0	-	[0.0]	1.4	*	0.4	[1.8]
Cooked Maple flavor:	85.3	[0.0]	0.0	-	[0.0]	0.4	*	0.0	[0.4]
Ďry Cooked	6.3 74.3	[0.0] [0.0]	-	-	[0.0] [0.0]	6.3 3.0	*	0.2 0.0	[6.5] [3.0]
Whole-wheat: Dry	6.5	[0.0]	-	0.2	[0.0]	0.6	*	0.3	[1.1]
Cooked Ready-to-eat:	85.4	[0.0]	-	0.0	[0.0]	0.3	*	0.1	[0.4]
Bran flakes Bran flakes with	3.0	[0.0]	0.9	0.9	0.0	9.3	0.9	*	12.1
raisins	8.5	[0.0]	7.3 1.4	8.2 2.4	0.0 0.0	10.1 2.6	0.0 0.3	*	26.6 6.8
Corn flakes Corn flakes, sugar	2.6	[0.0]						*	
coated Granola with raisins	2.0 3.0	[0.0] [0.0]	1.0 4.7	1.0 4.7	0.0 0.9	37.6 17.0	0.0 0.0	*	39.6 27.4
Oat cereal	5.0	[0.0]	0.0	0.2	0.9	2.8	0.0	*	2.8
Rice, crispy Rice, crispy, sugar	2.4	[0.0]	0.8	0.4	0.0	7.6	0.0	*	8.8
coated	2.2	[0.0]	0.7	0.6	0.0	37.7	0.0	*	39.0
Rice, puffed Wheat and malted	3.0	[0.0]	0.0	0.0	0.0	0.1	0.0		0.1
barley, flakes Wheat and maited	3.4	[0.0]	0.9	0.3	0.0	6.5	4.7	*	12.4
barley, nuggets	3.2	[0.0]	0.8	3.1	0.0	0.0	5.2	*	9.1
Wheat bran	3.0	[0.0]	0.9	0.8	0.0	13.3	1.4	*	16.4
Wheat flakes Wheat, puffed:	4.6	[0.0]	0.8	0.8	0.0	8.2	0.1		[9.9]
Plain Sugar coated	3.0 1.5	[0.0] [0.0]	0.3 3.7	0.5 1.5	0.0 0.0	0.6 38.0	0.0 1.9	*	1.4 45.1
Sugar and honey	1.5			1.5					1311
coated	3.0	[0.0]	12.1	1.1	0.0	44.2	0.0	*	57.4
Wheat, shredded Wheat, shredded,	5.3	[0.0]	0.1	0.0	0.0	0.3	0.0	*	0.4
frosteduckwheat groats:	5.1	[0.0]	0.0	0.0	0.0	24.6	0.0	*	24.6
Raw	8.2	[0.0]	*	*	[0.0]	1.7	-	0.9	[2.6]
Cooked	81.6	[0.0]	0.2	0.1	[0.0]	0.4	*	0.2	[0.9]
ornstarch	12.0	[0.0]	*	*	[0.0]	*	*	*	×
Raw	11.8 74.8	[0.0] [0.0]	0.6 *	*	[0.0] [0.0]	0.6 0.1	*	0.2 *	[1.4] *
oodles, chow meinat bran:	0.5	[0.0]	*	0.2	[0.0]	0.4	0.5	0.4	[1.5]
Raw	8.5	[0.0]	0.1	*	[0.0]	2.0	*	*	2.6
Cooked	85.3		[0.0]	*	[0.0]	[0.3]	*	*	[0.4] 0.8
at flour asta:	12.2	[0.0]	0.1	0.0	[0.0]	0.5		~	U.0
Macaroni and spaghetti, enriched:	• -				10.01			÷	[2, 11]
Dry	9.7		0.8	0.8	[0.0]	0.8 0.3	1.0 0.4	*	[3.4] [1.3]
Cooked	62.6	[0.0]	0.3	0.3	[0.0]	0.5	0.9		£113]

² Value from similar food.

7.9

[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present; [0.0] denotes lack of data for sugar thought not to be present; brackets around Total sugars data denote calculated value]

Food item M	Moisture	M	onosaccha	rides	I	Disacchari	des	Other	Total
Food Hem	Moisture	Galactose	Glucose	Fructose	Lactose	Sucrose	Maltose	sugars	sugars
	percent				gran	ns	******		
irains and Cereals—Con.									
asta (con.) Macaroni and spaghetti,									
Whole-wheat:									
Dry	8.9	[0.0]	0.5	0.3	[0.0]	0.7	2.0	0.2	[3.7]
Cooked	67.8	[0.0]	[0.2]	[0.1]	[0.0]	0.1	0.3	0.1	[0.8]
Unpopped	11.4	[0.0]	*	*	[0.0]	0.3	*	0.2	*
Air-popped	3.8	[0.0]	*	*	[0.0]	0.4	*	0.2	*
Oil-popped	2.7	[0.0]	*	*	[0.0]	0.8	*	0.2	[1.0]
Bran Brown:	9.7	[0.0]	0.2	0.2	[0.0]	0.5	*	*	[0.9]
Raw	12.0	[0.0]	0.1	*	[0.0]	0.4	*	0.2	[0.7]
Cooked	70.3	[0.0]	0.0	*	[0.0]	0.2	*	0.0	*
Flour White, enriched:	10.0	[0.0]	*	*	[0.0]	0.8	*	0.2	[1.0]
Regular: Raw	12.0	[0.0]	0.2	*	[0.0]	0.2	0.1	*	[0.5]
Cooked Parboiled :	72.6	[0.0]	0.0	*	[0.0]	0.1	0.0	*	[0.2]
Raw	10.3	[0.0]	*	*	[0.0]	0.4	*	*	*
Cooked	73.4	[0.0]	*	*	[0.0]	0.3	*	*	*
Rye flour	11.0 45.0	[0.0]	0.5	0.3 0.0	[0.0] [0.0]	* 0.3	2.6 *	1.2	[4.6] [0.5]
/heat:		[0.0]	0.1					*	4.3
Bran, crude Flour:	11.5	[0.0]	0.2	0.2	[0.0]	1.1	0.1		
Semolina	11.7	[0.0]	0.3	*	[0.0]	1.5	*	*	[1.8]
White Whole-wheat Germ:	12.0 12.0	0.0 [0.0]	0.6 *	0.3 *	[0.0] [0.0]	0.4 0.3	0.0 0.1	*	1.7 2.0
Crude	11.5	[0.0]	*	*	[0.0]	7.4	0.1	4.7	[12.2]
ToastedGrain:	5.6	[0.0]	*	*	[0.0]	7.8	*	4.2	[12.0]
Raw	12.8	0.0	0.1	0.1	[0.0]	0.6	-	-	[0.8]
Cooked	² 87.7	[0.0]	[0.0]	[0.0]	[0.0]	[0.2]	-	-	[0.2]
Vild rice: Raw	8.5	[0.0]	[0.9]	[0.9]	[0.0]	0.7	*	0.0	[2.5]
Cooked	78.5	[0.0]	0.2	0.2	[0.0]	0.3	*	0.0	[0.7]
.egumes ³									
dzuki beans:									
Raw Cooked	13.4 66.3	-	*	*	[0.0] [0.0]	0.7 [0.3]	(0.0] [0.0]	*	*
Baked beans, canned with:	00.3					[0.5]	[0.0]		
Franks, in sweet sauce	69.3	-	1.1	0.9	*	2.1	-	0.5	[4.6]
Pork, in sweet sauce	70.7	-	1.6	1.4	[0.0]	4.3	[0.0]	1.0	[8.3]
Tomato sauceBlack-eyed peas:	73.5	-	1.5	0.8	[0.0]	2.6	0.2	0.6	[5.7]
Raw	12.0	0.8	0.2	0.2	[0.0]	1.8	[0.0]	3.9	[6.9]
Cooked	70.0	[0.3]	0.0	0.0	[0.0]	1.1	[0.0]	1.9	[3.3]
Broadbeans: Raw	11.0	0.1	0.4	0.9	[0.0]	2.1	0.0	*	5.7
Cooked	71.5	[0.0]	[0.1]	[0.3]	[0.0]	0.3	[0.0]	*	[1.8]
Chickpeas :	<i></i> -						•	~ ~	
Raw Cooked	11.5 60.2	0.2 [0.1]	0.2 [0.1]	0.3 [0.1]	[0.0] [0.0]	3.8 1.2	0.4 0.2	2.2	10.7 [4.8]
Cooked	00.2	[0.1]	[0.1]	[0.1]	[0.0]	1.4	0.2		[4.0]
Raw	11.3	-	0.0	0.0	[0.0]	2.6	[0.0]	*	5.5
Cooked	64.6	-	[0.0]	[0.0]	[0.0]	0.5	[0.0]	*	[2.2]
entils: Raw	11.2	-	0.1	0.3	[0.0]	1.8	0.3	2.2	5.4
Cooked	69.6	-	[0.0]	0.1	[0.0]	0.5	0.0	0.9	[1.8]
.ima beans: Raw	10.2	_	*	0.6	[0.0]	1.4	[0.0]	*	8.5

² Value from similar food.

[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present; [0.0] denotes lack of data for sugar thought not to be present; brackets around Total sugars data denote calculated value]

Proved Second	Malatura	M	onosaccha	rides	I	Disacchari	des	Other	Total
Food item	Moisture	Galactose	Glucose	Fructose	Lactose	Sucrose	Maltose	sugars	sugar
	percent				gran	ns			
.egumes ³ —Con.									
upins:	10.4	_	*	[0.0]	[0.0]	1.9	[0.0]	*	8.6
Raw Cooked lung beans:	71.1	-	*	[0.0]	[0.0]	[0.6]	[0.0]	*	[2.8]
Raw	9.0 72.7	-	0.4 [0.0]	0.6 [0.2]	[0.0] 0.0	1.2 [0.3]	[0.0] [0.0]	*	6.6 [2.0]
eanuts: Dried	6.5	-	0.2	0.0	[0.0]	3.8	[0.0]	0.5	4.3
Dry-roasted Oil-roasted Spanish :	1.6 2.0	-	0.2 0.0	[0.0] [0.0]	[0.0] [0.0]	3.7 3.7	0.3 0.0	0.4 *	4.6 *
Dried	6.4	-	0.1	[0.0]	[0.0]	3.9	*	*	*
Dry-roasted	1.6	-	0.3	[0.0]	[0.0]	3.6	*	*	*
eanut butter eanut flour, defatted eas, split:	1.4 7.8	-	1.2 2.0	0.0 [0.0]	0.0 [0.0]	6.6 7.1	0.0 *	*	[7.8 *
Raw Cooked igeonpeas:	11.3 69.5	0.4 [0.1]	*	*	[0.0] [0.0]	2.4 [0.8]	[0.0] [0.0]	*	8.0 [2.9
Raw Cooked	10.6 68.6	-	*	*	[0.0] [0.0]	0.8 0.3	[0.0] [0.0]	* *	2.8 [1.0
ioybeans: Raw	8.5	0.0	0.2	0.5	[0.0]	4.2	[0.0]	0.6	7.2
Cooked	62.6	-	[0.1]	[0.2]	[0.0]	0.5	[0.0]	*	[3.0
Kernels, oil-roasted oyflour, dehulled,	2.0	-	0.0	0.0	[0.0]	4.2	[0.0]	*	*
defatted ofu, raw /inged beans:	7.2 84.6	7.6	8.1 0.0	* 0.0	[0.0] [0.0]	7.3 0.0	[0.0] 0.0	2.0 0.4	[25.0 [0.4
Raw Cooked	8.3 67.2	-	*	*	[0.0] [0.0]	5.5 [2.0]	[0.0] [0.0]	*	7.0 [2.5
leat and Poultry Product	s								
eef, corned or smoked	59.8	-	0.1	-	-	0.6	-	-	[0.7
lam, smoked, cooked iver cheese, pork uncheon meat, loaf:	64.6 53.6	-	1.0 1.9	-	-	0.0	-	-	[1.0 [1.9
Ham and cheese	57.9	*	1.1	-	*	0.0	-	-	[1.1
Spiced beef and/or pork astrami	49.3 46.7	-	3.0 0.2	-	-	0.3 0.7	-	-	[3.3 [0.9
ausage: Bologna, beef Frankfurter, beef and	55.3	-	2.4	-	-	0.2	~	-	[2.6
pork New England, beef and	53.9	-	2.0	-	-	0.0	-	-	[2.0
pork Pork, cooked:	66.8	-	2.0	-	-	0.0	-	-	[2.0
Commercial	44.6 37.2	- *	2.3 0.6	0.1	- 0.1	0.3 0.1	- 0.1	-	[2.6 0.7
Salami, beef	58.1	-	1.2	-	-	0.0	-	_	[1.2
urkey, breast	68.4	-	-	-	-	0.2	-	-	[0.2
luts and Seeds									
Imonds: Dried	5.4	[0.0]	-	-	[0.0]	5.0	0.2	0.8	5.6
Dry-roasted, unblanched	3.0	[0.0]	0.2	-	[0.0]	4.4	0.1	0.7	5.3
Oil-roasted, unblanched	3.1	[0.0]	0.1	-	[0.0]	5.1	-	-	5.2
Brazilnuts, oil-roasted Cashew nuts, dried,	3.3	[0.0]	0.0	-	[0.0]	2.6	-		[2.6
dry- or oil-roasted Chestnuts, European	3.9		0.2	-	[0.0]	6.0	-	-	[6.2
(Italian), raw	52.0	[0.0]	-	-	[0.0]	10.6	-	-	[10.6

³ Mature seeds.

[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present; [0.0] denotes lack of data for sugar thought not to be present; brackets around Total sugars data denote calculated value] 100

Food item	Moisture	M	onosaccha	rides	I	Disacchari	des	Other	Total
rood item	MOISLUIE	Galactose	Glucose	Fructose	Lactose	Sucrose	Maltose	sugars	sugar
	percent				gran	ns			
iuts and Seeds—Con.									
Coconut:		[0.0]			[0.0]				
Raw Dried, sweetened, flaked	47.0	[0.0]	2.0	1.4	[0.0]	0.1	-	-	3.5
or shredded	15.6 1.0	[0.0] [0.0]	0.6	0.2	[0.0] [0.0]	* 32.0	-	- 6.0	34.4 [38.0
Cottonseed flour,	1.0	[0.0]		_	[0.0]	52.0		0.0	[30.0
defatted	6.3	[0.0]	-	-	[0.0]	2.3	-	-	[2.3
azelnuts (filberts), unblanched:									
Dried	1.9	0.5	2.1	-	[0.0]	*	-	2.0	4.6
Dry-roasted	1.9	*	0.2	-	[0.0]	3.0	-	*	[3.2
Oil-roasted	1.2	*	0.1	-	[0.0]	4.7	-	*	[4.8
lacadamia nuts, oil-roasted	1.7	[0.0]	0.1	_	[0.0]	6.1	_	_	[6.2
oil-roasted	3.2	[0.0]	0.0	-	0.0	4.0	0.0	_	[4.0]
PeanutsSee LEGUMES.	<i></i>	[0.0]	v. v		0.0	4.V	0.0		[4.0
Dried	4.8	[0.0]	-	-	[0.0]	4.0	-	0.3	4.3
Dry- or oil-roasted	4.2	[0.0]	0.1	-	[0.0]	3.4	-	-	[3.5]
Pistachios, dried, shelled Pumpkin seeds, kernels,	3.9	[0.0]	0.2	0.1	[0.0]	1.3	0.1	*	6.6
dried afflower seeds, kernels,	6.9	[0.0]	0.0	-	[0.0]	1.0	-	-	[1.0
dried	5.6	0.1	*	-	[0.0]	1.3	-	-	1.4
esame flour, defatted esame seeds:	7.1	0.0	2.4	1.9	[0.0]	0.1	-	-	[4.4
Dried		[0.0]	*	-	[0.0]	0.7	0.2	0.2	[1.1
Dry-roasted unflower flour, partially	3.3	[0.0]	*	-	[0.0]	0.6	-	0.5	1.1
defatted unflower seeds, kernels:	7.5	[0.0]	0.0	-	[0.0]	2.1	-	-	[2.7
Dried	5.4	[0.0]		-	[0.0]	2.5	-	0.7	3.3
Dry-roasted Oil-roasted	1.2 2.6	[0.0] [0.0]	0.0 0.1	-	[0.0] [0.0]	2.4 3.3	-	1.3 2.4	3.7 5.8
alnuts	3.7	[0.0]	0.0	-	[0.0]	2.1	-	-	[2.1
Sugars and Sweets									
Candy:									
Cashew and honey bar	*	-	6.5	4.0	1.6	1.3	5.6	-	[19.0
Chocolate: Dark, sweet	0.9	_	0.1	0.1	[0.0]	48.5	[0.0]	_	[48.7]
Semisweet	1.1	_	4.5	*	0.0	40.5	0.0	*	[55.0
Chocolate, milk:									
Plain	0.9	0.1	0.2	0.1	7.4	46.8	0.0	-	52.1
Almonds	1.6	*	0.2	0.2	6.1	38.0	0.0	-	48.8
Crisped rice	1.7	*	0.3 *	0.2 *	6.5 *	43.2	-	-	[50.2
Peanuts Chocolate-covered :	1.0	*	*	*	*	52.5	-	-	*
Caramel and rice cereal	3.3	-	*	*	*	*	*	*	51.7
Caramel log Coconut center and	5.6	-	*	*	*	17.0	*	*	*
almonds Crunchy peanut butter	11.7	-	*	*	*	20.0	*	*	*
candy Crunchy peanut butter	1.7	-	*	*	*	29.5	*	*	*
and almonds Fudge, peanuts, and	*	-	*	*	*	35.6	*	*	*
caramel Malt nougat and	5.2	-	*	*	*	23.7	*	*	*
caramei	6.4	· _	*	*	*	28.2	*	*	*
Malted milk balls Mint-flavored fondant,	3.3	.: - .	*	*	*	14.3	*	*	*
discs	25.8		*	*	*	45.3	*	*	*

² Value from similar food.

[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present; [0.0] denotes lack of data for sugar thought not to be present; brackets around Total sugars data denote calculated value]

Food item	Moisture	M	onosaccha	rides		Disacchari	des	Other	Total
		Galactose	Glucose	Fructose	Lactose	Sucrose	Maitose	sugars	sugar
	percent				gran	ns			
igars and SweetsCon.									
indy:									
Chocolate-covered (con.):									
Mint-flavored fondant,									
1-1/2-in patty	5.8	*	*	*	*	79.6	*	*	*
Nougat Nougat and caramel	5.8 6.4	-	7.2	0.6	3.6	38.2	7.0	*	[61.4]
Nougat, caramel, and	0.4	-	-	-	-	26.8	•	-	-
almonds	4.5	-	*	*	*	36.4	*	*	*
Peanut butter nougat,									
caramel, and peanuts	5.3	-	6.4	0.5	4.3	27.4	6.2	0.3	[45.1]
Peanuts	1.0	*	*	*	1.2	34.2	-	-	*
Wafer cookie bar	4.0	*	*	*	4.9	38.8	-	-	43.6
Coconut bar	16.3	-	10.6	. 3.0	0.0	26.6	3.1	*	[43.3]
Confectioners' coatings:									
Carob	*	-	4.9	8.1	0.0	24.7	0.0	-	37.7
White chocolate	0.9	-	*	*	9.8	52.6	*	-	[62.4]
Fruit and honey bar		-	10.1	7.8	0.0	4.8	2.4	*	[25.1]
Hard candy	1.4	[0.0]	*	*	[0.0]	66.7	-	-	[66.7]
Jelly beans	6.3 *	[0.0]	*	*	[0.0]	59.0	-	-	*
Jelly mints	6.4	[0.0]	*	*	[0.0]	58.0	-	-	*
Licorice Praline (chewy)	27.8	[0.0]	*	*	[0.0]	19.5	-	-	*
Salted nut bar (peanuts,	-7.0	-		-	-	26.2		-	•
caramel, and vanilla									
fudge)	*	-	*	*	_	33.2	-	_	*
Sugar-coated chocolate						33.2			
and peanut discs	1.5	*	*	*	4.1	43.2	-	0.0	[47.3]
Sugar-coated chocolate								•.•	[47.5]
discs	1.5	*	*	*	3.7	51.5	-	-	[57.8]
Sunflower and honey									
bar	*	-	6.1	4.3	1.4	1.3	7.2	-	[20.3]
Sunflower candy bar	*	-	0.5	2.3	0.0	14.5	2.1	-	[19.4]
Taffy, fruit-flavored	10.0	-	11.7	3.6	· - · · ·	37.5	7.1	6.1	66.0
Toffee	*	-	6.7	5.2	2.6	40.9	-	— "	[55.4]
aramel popcorn	2.8	-	2.6	0.7	-	34.0	1.0	0.9	39.3
hewing gum	3.5	[0.0]	-	-	-	68.6	[0.0]	[0.0]	[68.6]
Sugarless	3.5	[0.0]	[0.0]	[0.0]	[0.0]	0.0	[0.0]	[0.0]	[0.0]
hocolate, bakingSee									
MISCELLANEOUS.									
rosting, canned:							· · · · ·		
Chocolate	17.4	-	3.7	2.1	5.3	43.0	1.6	*	55.7
Other flavors	17.3	-	1.4	0.7	0.0	67.8	1.2	* .	[71.1]
elatin, flavored mix, sweetened, prepared:									
	84.2	[0.0]	5.0	*	[0 0]	7 0		*	[12 0]
Orange Raspberry	84.2	TA A		* .		7.8	-	-	[12.8]
Strawberry	84.2	[0.0] [0.0]	5.4	* 1	[0.0]	3.3	-	_	[8.7] [2.6]
oney	17.0	[0.0]	33.8	42.4	[0.0]	1.5	4.2	_	[81.9]
olasses :		[0.0]	55.0	76.7	[0.0]	1.5	7.4		[01.9]
Blackstrap	24.0	[0.0]	7.4	7.9	[0.0]	26.9	-	0.6	42.8
Regular	24.0	[0.0]	11.2	12.9	[0.0]	34.7	-	1.1	[59.9]
uddings :		• • • • •						•••	[]
Canned :									
Banana	68.8	-	*	*	* '	11.7	-	-	*
Butterscotch	68.8	-	*	*	*	15.4		-	*
Chocolate	68.2		*	*	*	13.3	- '	-	*
Chocolate fudge	268.2	-	*	*	*	14.3	-	-	*
Rice	73.5	-	*	*	*	10.3	-	-	*
Таріоса	74.0	-	*	*	*	7.6	-	-	*
Vanilla	69.0	-	*	*	*	14.7	-	-	*
Chilled, coconut cream	72.0	. –	*	*	*	11.4	-	-	*
igar :									_
Brown	2.1	[0.0]	5.2	0.4	[0.0]	84.3	-	-	[89.9]
Granulated	0.5	[0.0]	+	-	[0.0]	96.8	-	-	96.8
Powdered	0.5	[0.0]	-	-	[0.0]	93.0	-	-	93.0

² Value from similar food.

11

[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present; [0.0] denotes lack of data for sugar thought not to be present; brackets around Total sugars data denote calculated value] Territor.

Food item	Moisture	M	ònosaccha	rides	-	Disacchari	des	Other	Total
rood item	Moisture	Galactose	Glucose	Fructose	Lactose	Sucrose	Maltose	sugars	sugars
	percent	~~~~~~~			gran	<u>ns</u>			
Sugars and Sweets—Con.									
Sundae, fast food:									
Caramel	56.5	-	5.0	0.8	5.4	11.8	2.2	-	25.0
Hot fudge	59.7	-	1.5	0.5	5.7	17.0	0.4	-	25.4
Strawberry	61.6	-	6.2	3.4	4.5	12.5	-	-	27.2
Syrup:	27.0	_	10 7	76	FO	20 5	h E	7 3	F1 0
Chocolate Corn:	37.0	-	12.7	7.6	5.0	30.5	4.5	7.3	51.8
Dark	21.2	_	14.9	1.2	[0.0]	2.2	9.8	8.9	[37.0]
High-fructose	23.9	_	36.5	37.4	[0.0]	0.7	*	*	[74.3]
Light	20.8	-	20,6	2,2	[0.0]	*	15.0	13.3	[51.1]
Maple	25.0	[0.0]	2.3	0.9	[0.0]	59,1	-	-	[62.3]
Pancake	22.1	[0.0]	19.7	5.0	[0.0]	12.0	11.3	6.5	[54.5]
Sorghum	23.0	[0.0]	*	*	[0.0]	33.5	*	*	65.8
Sugar, caramelized	13.1	[0.0]	31.8	-	[0.0]	11.9	1.9	-	[45.6]
Topping, dessert:									
Butterscotch	25.6	-	*	-	1.2	*	-	-	*
Chocolate	25.4	-	*	-	2.9	*	-	-	*
Vegetables									
Alfalfa seeds, sprouted,									
raw	91.1	[0.0]	0.1	0.2	[0.0]	*	*	0.1	• *
Artichokes:									
Raw	84.4	[0.0]	1.5	0.6	[0.0]	0.1	*	* ·	2.0
Cooked	86.5	[0.0]	0.8	0.0	[0.0]	0.3	*	*	1.1
Asparagus:									
Raw	92.3	[0.0]	0.9	1.3	[0.0]	0.2	*	*	2.1
Cooked	92.0	[0.0]	0.6	0.8	[0.0]	0.2	*	*	1.6
Balsam-pear, raw	89.3	[0.0]	*	*	[0.0]	*	*	*	0.8
Beans, snap:		7 • • •			f a . a 1				
Raw	90.3	[0.0]	0.9	1.2	[0.0]	0.2	0.3	0.3	2.6
Cooked	89.2	0.0	0.8	1.0	0.0	0.3	0.2	0.2	1.9
Canned, drained solids	93.3	[0.0]	0.6	0.5	[0.0]	0.2	0.1 0.2	0.2 0.1	[1.6] [2.5]
Frozen	89.9 91.9	[0.0]	0.9 0.9	1.1	0.0 [0.0]	0.3 0.3	0.2	0.1	[2.5]
Frozen, cooked	87.3	[0.0] [0.0]	0.9	0.2	[0.0]	6.1	*	*	5.9
Beets, rawBorage, raw	93.0	[0.0]	*	*	[0.0]	*	*	*	0.9
Broadbeans, immature	55.0	[0.0]			[0.0]				0.5
seeds:									
Raw	81.0	[0.0]	0.2	0.2	[0.0]	0.2	0.1	*	.1.8
Cooked	83.7	[0.0]	0.1	0.0	[0.0]	0.2	0.1	*	0.5
Broccoli, raw	90.7	[0.0]	0.6	0.7	[0.0]	0.3	*	0.4	[2.0]
Brussels sprouts:									
Raw	86.0	[0.0]	0.7	0.8	[0.0]	0.4	*	*	2.2
Cooked	87.3	[0.0]	*	*	[0.0]	*	*	*	*
Cabbage, chinese, raw:		10 01		. .	F				
Pak-choi	95.6	[0.0]	*	*	[0.0]	*	*	*	1.0
Pe-tsai	94.4	[0.0]	0.8	0.6	[0.0]	<u>^</u>	^	^	1.3
Cabbage, common:	00 F	[0.0]	• •	<u> </u>	[0 0]	0 5	*	*	2 6
Raw Cooked	92.5	[0.0]	1.2 *	0.8 *	[0.0]	0.5 *	*	*	3.6 *
	93.6	[0.0]			[0.0]	-			
Cabbage, red: Raw	91.6	[0.0]	2.4	2.3	[0.0]	0.5	*	*	5.4
Cooked	93.6	[0.0]	1.2	1.0	[0.0]	0.5	*	*	2.8
Cabbage, savoy, raw	91.0	[0.0]	*	*	[0.0]	*	*	*	2.9
Cardoon, raw	94.0	[0.0]	*	*	[0.0]	*	*	*	1.7
Carrots:	• •	12101			[2.0]				
Raw	87.8	[0.0]	1.0	1.0	[0.0]	3.6	*	0.5	6.6
Cooked	87.4	[0.0]	1.1	1.0	[0.0]	2.8	*	0.2	4.1
Canned, drained solids	93.0	[0.0]	0.8	0.6	[0.0]	1.8	* *	0.1	[3.2]
Frozen	89.0	[0.0]	0.9	0.8	[0.0]	2.9	0.2	0.2	[5.0]
Frozen, cooked	89.9	[0.0]	0.9	0.7	[0.0]	2.8	0.0	0.1	[4.5]
Cassava root, raw	68.5	[0.0]	0.1	0.1	[0.0]	0.9	0.0	*	1.2
Cauliflower, raw	92.3	[0.0]	0.9	0.8	[0.0]	0.5	*	0.1	2.4
uaunnower, raw						_			
Celeriac, raw	88.0	[0.0]	*	*	[0.0]	*	*	*	2.0



[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present; [0.0] denotes lack of data for sugar thought not to be present; brackets around Total sugars data denote calculated value]

Food item	Moisture	M	onosaccha	rides		Disacchari	des	Other	Total
		Galactose	Glucose	Fructose	Lactose	Sucrose	Maltose	sugars	sugars
	percent				gran	<u>ns</u>			
egetables—Con.									
eltuce, raw hard, swiss:	94.5	[0.0]	*	*	[0.0]	*	*	*	1.7
Raw	92.7	[0.0]	0.4	0.2	[0.0]	0.0	*	*	1.1
Cooked	92.7	[0.0]	0.2	0.2	[0.0]	0.0	*	*	0.4
hicory greens, raw	92.0	[0.0]	*	*	[0.0]	[0.0]	*	*	0.9
hicory roots, rawhives, raw	80.0 92.0	[0.0] [0.0]	0.1	0.1	[0.0]	0.9	*	*	2.4
hrysanthemum, garland,	52.0	[0.0]	0.4	0.3	[0.0]	0.3			1.0
raw	92.6	[0.0]	0.2	0.1	[0.0]	0.0	*	*	[0.3]
Raw	76.0	[0.0]	0.8	0.6	[0.0]	3.4	0.6	0.4	[5.8]
Cooked	69.6	[0.0]	0.5	0.3	[0.0]	1.5	0.2	0.1	[2.6]
Canned, drained solids	76.9	[0.0]	0.2	0.2	[0.0]	2.4	0.0	0.0	[2.8]
Frozen	74.9	[0.0]	0.5	0.4	[0.0]	1.3	0.3	0.1	[2.6]
Frozen, cooked owpeas, immature seeds,	75.8	[0.0]	0.4	0.2	[0.0]	1.2	*	*	[1.8]
raw	66.8	[0.0]	*	*	[0.0]	*	*	*	3.0
ucumber, rawandelion greens, raw	96.0 85.6	[0.0] [0.0]	1.0 0.5	0.9 0.4	[0.0] [0.0]	0.0 1.5	0.0 *	0.1 *	2.3 [2.4]
ggplant :	01 0							+	
Raw Fried, unbreaded	91.9 44.2	[0.0] [0.0]	1.6 1.7	1.5 1.9	[0.0] [0.0]	0.2 0.3	*	*	3.4
ndive, escarole, raw	93.8	[0.0]	0.2	0.2	[0.0]	0.3	*	*	4.0 1.2
arlic, raw	58.6	[0.0]	*	*	[0.0]	*	*	*	1.0
orseradish, raw erusalem artichokes, raw:	74.6	[0.0]	*	*	[0.0]	*	*	*	1.8
Freshly harvested	80.5	[0.0]	0.0	0.2	[0.0]	2.3	0.0	*	2.5
Stored	70.4	[0.0]	0.6	0.8	[0.0]	7.5	0.7	*	9.6
ale, raw ohlrabi, raw eeks:	84.5 91.0	[0.0] [0.0]	0.3 1.3	0.2 1.2	[0.0] [0.0]	* 0.6	*	*	2.2 4.5
Raw	83.0	[0.0]	1.1	1.5	[0.0]	1.0	*	*	3.9
Cooked ettuce, cos (romaine),	90.1	[0.0]	0.4	0.3	[0.0]	0.3	*	*	1.0
raw	94.9	[0.0]	*	*	[0.0]	*	*	*	2.0
ettuce, iceberg, raw ung beans, sprouted,	95.9	[0.0]	0.7	0.8	[0.0]	0.1	*	0.0	1.8
aw	90.4	[0.0]	0.9	1.1	[0.0]	0.1	0.0	0.3	2.1
ushrooms, raw	91.8	[0.0]	0.7	0.4	[0.0]	*	*	0.3	*
ustard greens, raw	90.8	[0.0]	0.4	0.3	[0.0]	0.0	*	*	0.8
kra, raw nions, mature, raw	89.6 90.8	[0.0] [0.0]	0.8 2.4	1.0 0.9	[0.0] [0.0]	0.8 1.3	*	*	2.4
nions, spring, raw	91.9	[0.0]	2.7	*	[0.0]	0.5	*	*	6.2 3.2
arsley, raw	88.3	[0.0]	0.1	*	[0.0]	0.2	*	*	1.1
arsnips, raw	79.5	[0.0]	0.2	0.1	[0.0]	2.6	*	*	4.8
eas, edible-podded, raw eas, sweet:	88.9	[0.0]	*	*	[0.0]	*	*	*	4.0
Raw	78.9		0.0	0.0	[0.0]	4.3	0.1	0.4	5.6
Cooked Canned, drained solids	77.9 81.7		0.2	0.1	[0.0]	4.8	0.2	0.5	[5.8]
Frozen	81.7 79.9	[0.0] [0.0]	0.0 0.1	0.0 0.1	[0.0] [0.0]	3.1 4.4	0.1 0.2	0.3 0.5	[3.5]
Frozen, cooked	79.5	[0.0]	*	0.1	[0.0]	4.4	0.2	0.5	[5.3] [5.5]
eppers, chili, raw eppers, sweet, green,	87.7	[0.0]	*	*	[0.0]	*	*	*	5.3
aw btatoes: Baked:	92.8	[0.0]	1.2	1.1	[0.0]	0.1	*	0.0	2.5
Flesh	75.4	[0.0]	0.4	0.4	[0.0]	0.2	*	0.7	[1.7]
Flesh and skin	71.2	[0.0]	[0.4]	[0.4]	[0.0]	[0.3]	*	[0.6]	[1.6]
Skin	47.3	[0.0]	0.4	0.4	[0.0]	0.5	*	0.1	[1.4]
French-fried	38.0	[0.0]	0.1	0.2	0.0	0.2	0.0	*	0.5
Hashed-brown umpkin:	61.6	[0.0]	0.1	0.0	0.0	0.1	0.0	*	0.1
Raw	91.6		1.7	1.4	[0.0]	1.3	*	*	[4.4]
Cooked, mashed	93.7	[0.0]	1.3	1.0	[0.0]	1.0	*	*	[3.

[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present; [0.0] denotes lack of data for sugar thought not to be present; brackets around Total sugars data denote calculated value]

Food item	Moieturo	M	onosaccha	rides		Disacchari	des	Other	Total
Food item	Moisture	Galactose	Glucose	Fructose	Lactose	Sucrose	Maltose	sugars	sugars
	percent				gran	<u>ns</u>	******		
/egetables—Con.									
adishes, chinese, raw	94.6	[0.0]	*	*	[0.0]	*	*	*	2.5
Radishes, common, raw	94.8	[0.0]	1.2	0.6	[0.0]	0.5	*	0.1	2.7
Radishes, icicle, raw	95.4	[0.0]	*	*	[0.0]	*	*	*	2.5
utabaga, raw	89.7	[0.0]	3.2	1.4	[0.0]	0.8	*	*	5.6
alsify, raw	77.0	[0.0]	*	*	[0.0]	*	*	*	2.9
alsify, black, raw	277.0	[0.0]	0.0	0.1	[0.0]	1.0	*	*	[1.1]
hallots, raw	79.8	[0.0]	0.4	0.3		2.5	*	*	
pinach:	75.0	[0.0]	0.4	0.5	[0.0]	2.3			3.2
Raw	91.6	[0.0]	0.1	0.1	[0.0]	0.1	*	0.0	0.4
Cooked	91.2	[0.0]	0.0	0.0	[0.0]	0.0	*	*	0.0
quash, raw	93.7	[0.0]	0.9	0.9	[0.0]	0.2	*	*	2.2
weetpotatoes:		[]	••••	•••	[010]	•••			
Raw	72.8	[0.0]	0.5	0.3	[0.0]	2.8	*	*	5.7
Baked	72.8	[0.0]	*	*	[0.0]	*	*	*	11.3
Canned, vacuum pack	76.0	[0.0]	*	*	[0.0]	*	*	*	15.4
aro, raw	70.6	[0.0]	*	*	[0.0]	*	*	*	0.8
omatoes:		[***]			[0.0]				0.0
Raw	94.0	[0.0]	1.1	1.4	[0.0]	0.0	*	0.5 *	2.8
Cooked	92.4	[0.0]	1.3	1.5	[0.0]	0.0	*	0.4	[3.2]
Canned, solids and					[]			***	[312]
liquid	93.7	[0.0]	1.0	1.2	[0.0]	0.0	*	0.3	[2.5]
omato catsupSee MISCELLANEOUS.	55.7	[0.0]	1.0	1.2	[0.0]	0.0		0.5	[2.3]
omato juice, canned	93.9	[0.0]	1.4	1.9	0.0	0.0	0.0	*	[3.3]
omato products, canned:					••••				[010]
Paste	74.1	[0.0]	1.1	1.3	[0.0]	0.0	*	*	[2.4]
Puree	87.3	[0.0]	2.9	3.4	[0.0]	*	*	*	*
Sauce	89.1	[0.0]	2.0	1.8	[0.0]	*	*	*	*
urnips:	03.1	[0.0]	2.0	1.0	[0.0]				
Raw	91.9	[0.0]	2.9	*	[0.0]	0.8	*	*	20
Cooked	93.6		*	*	1. 1	*	*	*	3.8
	33.0	[0.0]			[0.0]			'n	
urnip greens:		F 0 0 1			1 0 0 1	• •			
Raw	91.1	[0.0]	1.0	0.8	[0.0]	0.2	*	*	1.0
Cooked	93.2	[0.0]	0.1	0.0	[0.0]	0.0	*	*	0.1
egetable juice, canned	93.5	[0.0]	1.3	1.9	0.0	0.2	0.0	*	3.3
aterchestnuts, raw	73.5	[0.0]	*	*	[0.0]	*	*	*	4.8
atercress, raw	95.1	[0.0]	0.4	0.1	[0.0]	0.2	*	*	0.2
axgourd, raw	96.1	[0.0]	0.5	0.5	[0.0]	0.0	*	*	[1.0]
ams:		• • • =			.				
Raw	69.6	[0.0]	0.0	0.0	[0.0]	0.4	0.0	*	0.5
Cooked	70.1	[0.0]	0.0	0.0	[0.0]	[0.4]	[0.0]	*	[0.5]
liscellaneous									
arob powder, sweetened	3.3	[0.0]	9.3	[0.0]	[0.0]	25.5	-	-	[34.8]
hocolate, baking	2.3	~	0.0	0.4	*		*	*	
ocoa, powder:	~		0.0	v.7		0.2			[0.6]
Natural	3.0	_	0.0	0.6	*	0.3	*	*	*
Dutch	3.0				*		*	*	*
	5.0	-	0.1	0.8	-	0.3	-		•
ressing:	7.25 0	[0.0]		• •	• -		• •		
Caesar	² 35.0	[0.0]	1.2	0.4	0.0	0.6	0.6	-	2.8
Cole slaw	40.0	[0.0]	4.5	3.7	0.0	13.2	0.0		21.4
French, low-calorie	75.0	[0.0]	7.7	6.6	0.0	5.2	0.0	-	19.6
Russian	46.0	[0.0]	17.2	2.1	0.0	6.2	5.7	-	31.2
Russian, low-calorie	69.0	[0.0]	15.7	12.0	0.0	0.0	0.0	-	27.7
Sandwich spread	40.0	[0.0]	4.4	4.0	0.0	8.1	0.0	-	16.4
teak sauce	269.0	[0.0]	6.6	3.5	0.0	1.7	1.0		12.7
	69.0				[0.0]	*	*	*	

² Value from similar food.

- <u>5</u>

[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present; [0.0] denotes lack of data for sugar thought not to be present; brackets around Total sugars data denote calculated value]

Food item	Common	107 - 1 1 - 4	Mor	nosacchari	des	Di	saccharid	es	Other	Total
Food item	Measure	Weight	Galactose	Glucose	Fructose	Lactose	Sucrose	Maltose	sugars	
		grams				gra	ims			
Baked Products										
Biscuit mix:	1	120	f a . a 1							
Dry Prepared with	1 cup	128	[0.0]	3.8	*	1.7	1.7	*	*	[7.2]
waterBreads:	1 biscuit	28	[0.0]	[0.7]	*	[0.3]	[0.3]	*	*	[1.3]
White	1 slice	25	[0.0]	0.4	0.4	*	*	0.1	*	1.0
Toasted	1 slice	22	[0.0]	0.4	0.4	*	*	[0.1]	*	1.0
Whole-wheat Toasted	1 slice 1 slice	28	[0.0]	[0.4]	0.6	*	*	0.1	*	1.1
Breakfast bar, meal	1 Since	25	[0.0]	0.4	0.6	•	•	0.1	*	1.1
replacement	1 bar	43	[0.0]	2.8	1.3	0.4	12.5	0.8	*	17.8
Fruit, 7 inch diam	1/12 cake	113	[0.0]	12.8	12.8	0.0	23.2	0.0	*	48.7
Sponge, jam-filled Cookies:	1 cake	32	[0.0]	2.6	1.2	0.0	11,4	0.0	*	15.3
Animal crackers Chocolate chip,	10 cookies	26	[0.0]	0.5	0.3	0.0	5.1	0.1	*	5.9
1-1/2 inch diam	10 cookies	44	[0.0]	0.3	0.1	0.8	9.8	0.0	*	11.0
Wafer, chocolate	1 cookie	7	[0.0]	0.0	0.1	*	2.6	0.1	*	2.8
Crackers, rye	1 medium	7	[0.0]	*	0.1	0.0	0.1	*	*	0.2
Doughnuts, cake-type	1 doughnut	50	[0.0]	1.6	*	0.9	6.0	*	*	[8.5]
English muffin, toasted, buttered	1 muffin	63	[0.0]	0.6	0.2	0.1	0.0	1.3	*	2.4
Granola bar, plain, crunchy Pies:	1 bar	23	[0.0]	0.3	0.3	[0.0]	4.0	*	*	[4.5]
Baked, fruit Fried:	1/6 pie	149	[0.0]	8.5	4.2	0.0	32.1	1.3	*	46.1
Apple	1 pie	85	[0.0]	1.7	2.0	0.2	5.2	0.7	*	9.8
Cherry	1 pie	88	[0.0]	5.1	4.6	0.0	*	0.7	*	10.4
Rolls, hamburger	1 roll	40	[0.0]	2.6	*	0.4	*	*	*	[3.0]
Beverages ¹										
Beer:			· · · ·				_			
Light Regular	12 floz 12 floz	354 356	[0.0]	2.1	* ~ ~	[0.0]	*	0.4	0.0	*
Beer cooler	12 fl oz	367	[0.0] [0.0]	0.4 11.0	0.7 14.3	[0.0] [0.0]	0.0	0.4	0.0	[25.3]
Brandy, cherry	1-1/2 fl oz	42	[0.0]	6.9	6.8	[0.0]	0.0	-	_	13.7
Carbonated beverages:										
	12 fl oz	370	[0.0]	14.8	16.3	[0.0]	7.8	0.4	0.0	39.2
Diet, all flavors Ginger ale	12 floz 12 floz	355 366	[0.0]	0.0	0.0	[0.0]	0.0	-	[0.0]	0.0
Lemon-lime	12 fl oz	368	[0.0] [0.0]	11.3 15.1	13.5 22.4	[0.0] [0.0]	7.0 *	_	-	[31.8] [37,5]
Pepper-type	12 fl oz	368	[0.0]	19.5	16.2	[0.0]	0.7	-	0.0	36.4
Root beer	12 floz	370	[0.0]	11.8	11.8	0.0	20.7	-	-	44.0
Chocolate maited										
flavor mix: Dry	4-5 heaping									
2. ,	tsp	21		*	0.9	1.2	0.7	5.8	-	[8.5]
Prepared with	·						•••			[010]
8 fl oz milk	8 fl oz	265	-	*	0.8	10.9	0.5	5.8	-	18.0
Coffee, flavored:	3 rounded									
Capuccino, dry	s rounded tsp	21	-	0.3	-	_	10.3	0.1	-	[10.7]
Prepared with	•									[]
8 fl oz water	8 fl oz	256	-	[0.3]	-	-	[9.2]	[0.0]	-	[9.5]
Mocha, dry	3 rounded tsp	18	-	0.3	-	0.3	7.4	0.2	-	[8.1]
Prepared with 8 fl oz water	8 floz	251	-	[0.3]	-	[0.3]	[5.8]	[0.3]	-	[6.5]
Fruit drinks: Cherry, canned Citrus, frozen	8 fl oz	251	[0.0]	13.1	10.3	0.0	2.0	1.3	-	26.9
concentrate, prepared	8 floz	248	[0.0]	*	*	[0.0]	*	-	-	26.3

¹Prepared with water unless specified otherwise.

[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present; [0.0] denotes lack of data for sugar thought not to be present; brackets around Total sugars data denote calculated value] 10 0 B 9 1 1

Food item	Common	Weight	Mor	osacchari	des	Di	saccharid	es	Other	Total
Food item	Measure	weight	Galactose	Glucose	Fructose	Lactose	Sucrose	Maltose	sugars	sugars
1 0		grams				<u>gra</u>	<u>ms</u>			
everages'Con.										
ruit drinks (con.): Lemonade:										• • • • •
Dry mix Prepared with	1 oz	28	[0.0]	0.0	0.0	[0.0]	14.6	-	-	[14.6]
8 fl oz water Dry mix with	8 fl oz	264	[0.0]	[0.0]	[0.0]	[0.0]	[14.5]	-	-	[14.5
aspartame Prepared with	0.42 oz	12	[0.0]	0.0	0.0	[0.0]	0.0	-	-	[0.0]
8 fl oz water Frozen	8 floz	238	[0.0]	[0.0]	[0.0]	[0.0]	[0.0]	-	-	[0.0
concentrate Prepared Orange, breakfast	6-oz can 8 fl oz	219 248	[0.0] [0.0]	45.6 [11.4]	34.6 [8.7]	[0.0] [0.0]	10.7 [2.7]	-		[90.9 [22.8
type: Dry mix	2/3 cup 4 tsp and 8	128	[0.0]	10.2	9.5	[0.0]	96.0	-	-	[115.7
Prepared	fl oz water	248	[0.0]	[2.5]	[2.2]	[0.0]	[22.1]	-	й -	[26.8
concentrate Prepared Orange, canned	12 floz 8 floz 8 floz	430 249 248	[0.0] [0.0] 0.0	46.4 [7.7] 0.0	28.4 [4.7] 0.0	[0.0] [0.0] 0.0	62.8 [10.5] 17.9	12.0 [2.0] 0.0	- -	[149.6 [24.9 17.9
Punch: Canned	8 floz	248	[0.0]	8.4	9.2	[0.0]	9.2	0.0	-	28.0
Dry mix Prepared	1 oz 2 tbsp and fl oz water		[0.0] [0.0]	0.8 10.7	0.0 11.0	[0.0] [0.0]	16.0 8.9	_	_	[16.8 30.4
Frozen					33.0		75.7	_	_	151.3
concentrate Prepared	12 floz 8 floz	418 247	[0.0] [0.0]	42.6 [7.2]	[5.4]	[0.0] [0.0]	[12.6]	-	_	[25.2
iqueur: Coffee Coffee with cream	1-1/2 fl oz 1-1/2 fl oz	52 47	[0.0]	1.9 *	1.9 *	[0.0]	15.5 8.1	0.9 *	0.1 *	[20.3
Orange	1-1/2 fl oz	50	[0.0]	0.6	0.0	[0.0]	13.6	-	*	[14.2
um herry, medium, dry.	1-1/2 floz 2 floz	42 59	[0.0] [0.0]	- 1.1	[0.0] 1.1	[0.0] [0.0]	0.0	-	-	0.0 2.1
ea, brewed: Black Herbal	8 floz 8 floz	240 240	[0.0] [0.0]	[0.0]	[0.0]	[0.0] [0.0]	[0.0]	-		0.0 0.0
Thirst-quencher drink,	0 11 02	240	[0.0]			[010]				
canned	8 floz	241	[0.0]	5.8	5.1	[0.0]	3.4	-	-	14.2
Dry Sweet	1 floz 1 floz	28 30	[0.0] [0.0]	0.5 1.8	0.6 1.8	[0.0] [0.0]	0.4 1.1	-	-	1.5
/odka Whiskey sour, mix, without alcohol:	1-1/2 fl oz	42	[0.0]	_	-	[0.0]	_	-	-	0.0
Dry Liquid	1 packet 1 fl oz	17 32	[0.0] [0.0]	0.2 2.5	0.0 2.6	[0.0] [0.0]	12.1 1.2	0.0 0.7	-	[12.3 [7.1
Red Rose	3-1/2 fl oz 3-1/2 fl oz	103 103	[0.0] [0.0]	0.1 0.8	* 1.8	[0.0] [0.0]	- 0.0	-	-	* 2.6
White	3-1/2 fl oz 12 fl oz	103 355	[0.0] [0.0]	0.4 13.1	0.3 12.8	[0.0] [0.0]	0.0 9.6	-	-	0.6 [35.5
ine without alcohol	3-1/2 fl oz	104	[0.0]	1.9	2.0	[0.0]	0.0	-	-	[3.9
airy Products										
iheese: Natural:										
Cheddar Cottage:	1 oz	28	0.2	0.0	[0.0]	0.2	[0.0]	-	0.1	[0.5
Creamed (4% fat)	1 cup	225	-	-	[0.0]	1.4	[0.0]	-	[0.0]	[1.4
Lowfat (iess than 0.5% fat).	1 cup	145	-	-	[0.0]	4.6	[0.0]	-	[0.0]	[4.6

¹Prepared with water unless specified otherwise.

[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present; [0.0] denotes lack of data for sugar thought not to be present; brackets around Total sugars data denote calculated value]

Food item	Common	Waiekł	Mor	osacchari	des	D	isaccharic	les	Other	Total
Food Item	Measure	Weight	Galactose	Glucose	Fructose	Lactose	Sucrose	Maltose	sugars	sugars
		grams				gra	<u>ms</u>			
airy Products—Con.										
heese:										
Natural (con.):										
Cream	1 oz	28	-	-	[0.0]	0.5	[0.0]	-	[0.0]	[0.5]
Mozzarella	1 oz	28 28	-	-	[0.0] [0.0]	0.1 0.3	[0.0] [0.0]	-	[0.0] [0.0]	[0.1] [0.3]
Neufchatel Ricotta, made with:	1 oz	20	-	_	[0.0]	0.5	[0.0]		[0.0]	[0.5]
Whole milk	1 cup	246	-	-	[0.0]	3.7	[0.0]	-	[0.0]	[3.7]
Skim milk	1 cup	246	-	-	[0.0]	3.4	[0.0]	-	[0.0]	[3.4]
Swiss	1 oz	28	-	0.1	[0.0]	*	0.1	-	*	[0.2]
Pasteurized process										
cheese food,	-				()					[0.7]
American	1 oz	28	[0.0]	0.0	[0.0]	2.7	0.0	-	-	[2.7]
ream, whipping,	1	220	-	_	-	6.7	_	_	-	[6.7]
unwhipped	1 cup	238	-	-	-	0.7	_			[0.7]
ce cream: Chocolate	1 cup	133	-	*	*	8.8	*	*	*	[28.7]
Coffee	1 cup	133	-	*	*	9.2	*	*	*	[29.1]
Strawberry	1 cup	133	-	*	*	4.3	*	*	*	[24.2]
Vanilla	1 cup	133	-	*	*	9.8	*	*	*	[29.8]
Mix, dry	1/2 cup	116	-	2.3	1.2	7.2	10.3	*	*	[21.0]
ce milk (soft serve)	-									
fast food, with cone:										
Cake cone	1 cup	115	[0.0]	1.0	0.1	6.6	11.5	0.8	*	20.0
Sugar cone	1 cup	93	[0.0]	0.9	0.4	4.7	11.2	0.6	×	17.8
lilk:										
Fluid: Whole (3.4% fat)	8 floz	244	[0.0]	[0.0]	[0.0]	12.0	[0.0]	[0.0]	*	12.2
Skim	8 fl oz	244	[0.0]	[0.0]	[0.0]	10.8	[0.0]	[0.0]	[0.0]	[10.8]
Acidophilus	8 fl oz	227	1.6	[0.0]	[0.0]	5.9	[0.0]	[0.0]	[0.0]	[7.5]
Buttermilk	8 fl oz	245	0.5	[0.0]	[0.0]	9.1	[0.0]	[0.0]	[0.0]	11.8
Dry:	• •=						• • •			
Ŵhole	1/4 cup	32	-	-	[0.0]	11.5	-	-	-	[11.5]
Nonfat	1/4 cup	30	-	-	[0.0]	15.1	-	-	-	[15.1]
shakes, fast food:									*	
Chocolate	10 fl oz	291	-	10.5	4.7	14.0	19.5	2.6	*	51.2
Strawberry	10 fl oz	290	-	10.4	5.2	14.2	19.7	4.4 2.9	*	53.9 51.8
Vanilla	10 fl oz	291	-	9.3	5.2	14.6	19.8	2.9		21.0
Whey, acid or sweet, fluid	1 cup	246	[0.0]	[0.0]	[0.0]	11.1	[0.0]	*	[0.0]	[11.1]
ogurt, lowfat:	i cup	240	[0.0]	[0.0]	[010]		[010]		[]	
Plain	8 oz	227	3.2	[0.0]	[0.0]	8.4	[0.0]	[0.0]	[0.0]	11.6
Strawberry	8 oz	227	2.3	7.7	5.9	7.5	10.0	1.6	*	34.7
•										
ast Food Entrees										
Cheeseburger sandwich										
(includes roll):	1 sandwich	115	-	2.2	2.3	0.2	0.1	1.2	-	5.9
Regular Double	1 sandwich	194	-	1.9	2.3	0.2	0.1	1.2	-	5.6
ggs, scrambled	1 serving	98	_	0.5	0.1	0.1	0.1	0.1	-	[0.9]
English muffin with	i serving			0.5			~			
egg, cheese, and										
canadian bacon	1 sandwich	138	-	1.0	0.4	0.1	0.1	1.2	-	2.8
ish sandwich										
(includes roll)	1 sandwich	139	-	1.1	1.8	0.3	0.4	1.0	-	4.6
amburger sandwich										
(includes roll):				. –						
Regular	1 sandwich	102	-	1.7	1.8	0.2	0.1 0.1	0.9 0.9	-	4.7 4.9
4-oz patty	1 sandwich	114	-	1.9	1.9	0.1	0.1	0.9	-	4.9
ruits and Fruit Juice	S									
Apples, raw,										
unpeeled	1 apple									
	(3-1/4 inch									
	diam)	138	[0.0]	3.2	10.5	[0.0]	4.6	0.1	-	[18.4]

٨

3 M - 2

[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present; [0.0] denotes lack of data for sugar thought not to be present; brackets around Total sugars data denote calculated value] 104 es

East item	Common	Walaht	Mor	osacchari	des	Di	saccharide	es	Other	Total
Food item	Measure	Weight	Galactose	Glucose	Fructose	Lactose	Sucrose	Maltose	sugars	sugars
		grams				<u>gr</u> a	<u>ms</u>			
ruits and Fruit Juice	s—Con.									
pple juice, canned,										
unsweetened	8 floz	248	[0.0]	6.2	13.9	[0.0]	4.2	-	-	27.0
Applesauce, canned,			[0.0]		10.1	[0 0]	12 0		-	[H D 1
sweetened	1 cup	255	[0.0]	11.0	19.1	[0.0]	12.0	-	-	[42.1]
Raw	3 apricots	106	[0.0]	1.7	0.7	[0.0]	5.5	1.1	-	9.9
Dried	1 cup	130	[0.0]	26.4	15.9	[0.0]	8.3	-	-	[50.6
vocados, California,										
raw	1 avocado	173	[0.0]	0.9	0.3		0.2	0.0	0.2	[1.6
ananas, raw	1 (2-1/2 /lb)			4.8 4.5	3.1 5.9	[0.0] [0.0]	7.4 0.6	0.0 0.7	0.1	17.8 11.4
lackberries, raw	1 cup 1 cup	144 145	[0.0] [0.0]	4.5	5.2	[0.0]	0.3	0.0	-	[10.6
lueberries, raw	1/2 melon	267	[0.0]	3.2	4.8	[0.0]	14.4	0.0	0.8	[23.2
arambola, raw	1 carambola	127	[0.0]	3.9	4.1	[0.0]	1.0	-	-	[9.0
herries, raw:										
Sour	10 cherries	68	[0.0]	2.9	2.2	[0.0]	0.3	0.0	~	[5.5
Sweet	10 cherries	68	[0.0]	5.5	4.2	[0.0]	0.1	0.1	- ,	[9.9
Cranberry juice	0 fl	252	[0 0]	*	*	[0.0]	*	_	_	34.2
cocktail, bottled	8 floz 1/2 cup	253 56	[0.0] [0.0]	1.8	2.1	[0.0]	0.6	0.0	-	[4.5
Currants, raw Dates, dried	10 dates	83	[0.0]	*	*	[0.0]	37.0	_	_	53.3
igs:	it dates	00	[0.0]			[010]				
Raw	1 medium fig	1 50	*	1.8	1.4	[0.0]	0.2	-	*	[3.4
Dried	10 figs	187	7.7	53.5	48.6	[0.0]	12.2	-	2.4	[124.4
ruit cocktail,										
canned, solids and	_		1			1 0 03				
liquid, juice pack	1 cup	284	-	17.0	17.0	[0.0]	9.4 4.1	_	-	[43.4 7.4
irapefruit, raw	1/2 fruit	120	[0.0]	1.6	1.4	[0.0]	4.1			7.4
Grapefruit juice: Raw	8 floz	247	[0.0]	6.7	4.4	[0.0]	4.4	_	-	15.6
Canned,	0 11 02	2.97	[0.0]	•••		[0.0]				
unsweetened	8 floz	247	[0.0]	*	*	[0.0]	*	-	-	18.5
Grapes, raw:										
American	10 grapes	24	-	1.6	1.7	[0.0]	0.3	0.4	*	[3.9
European	10 grapes	50	0.2	3.2	3.8	[0.0]	0.2	1.6	0.1	[9.1
Grape juice, frozen										
concentrate, reconstituted	8 fi oz	250	_	[9.0]	[11.0]	[0.0]	*	_	*	35.5
Guava, raw	1 guava	90	[0.0]	1.1	1.7	[0.0]	0.9	*	-	5.4
ackfruit, raw	2 oz fruit	57	[0.0]	0.8	0.8	[0.0]	3.1	-	-	10.5
liwifruit, without										
skin, raw	1 kiwifruit	76	[0.0]	3.8	3.3	[0.0]	0.8		-	[8.0
emons, raw, peeled	1 lemon	58	[0.0]	0.6	0.5	[0.0]	0.3	-	-	1.4
emon juice, raw	8 fl oz	244	[0.0]	2.4	2.7	[0.0]	0.7	- 0	-	[5.9
limes, raw, peeled	1 lime	67		0.1	0.1	[0.0]	0.0	0.0	- *	0.3
langos, raw	1 mango 1 nectarine	207 136	[0.0] [0.0]	1.5 1.6	6.0 1.5	[0.0] [0.0]	20.5 8.4	0.0	-	30.6 [11.6
lectarines, raw)ranges, raw	1 orange	100	[0.0]	1.0	1.5	[0.0]	0.7			1,110
	(2-5/8 inch	1								
	diam)	131	[0.0]	2.9	3.3	[0.0]	5.5	0.4	-	11.7
)range juice:										
Raw	8 floz	248	[0.0]	6.9	7.4	[0.0]	10.2	-	-	25.3
Canned, unsweet-										
ened or frozen										
concentrate, reconstituted	8 floz	249	[0.0]	13.2	11.5	[0.0]	1.7	-	_	[26.4
apaya, raw	1 papaya	304	[0.0]	4.3	8.2	[0.0]	5.5	0.0	*	[17.9
Passion fruit, raw	1 fruit	18	[0.0]	0.7	0.6	[0.0]	0.6	-	-	2.0
Peaches:										
Raw	1 peach	87	[0.0]	1.0	1.1	[0.0]	4.9	0.6	-	[7.6
Canned, solids and										
liquid, juice	•		[0.0]		14 6	10 01	0 4	л г	*	[" " "
pack	1 cup	248	[0.0]	16.1	14.6	[0.0]	8.9	3.5	-	[43.2
Dried	1 cup	160	[0.0]	25.3	25.0	[0.0]	21.1	-	-	[71.4

[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present; [0.0] denotes lack of data for sugar thought not to be present; brackets around Total sugars data denote calculated value]

Food them	Common	Waicht	Mon	osacchari	des	Di	saccharid	s	Other	Total
Food item	Measure	Weight	Galactose	Glucose	Fructose	Lactose	Sucrose	Maltose	sugars	sugars
		grams				gra	<u>ms</u>			
Fruits and Fruit Juices	s—Con.									
Pears:										
Raw (Bartlett)	1 pear									
	(2–1/2 inch									
	diam)	166	[0.0]	3.2	10.6	[0.0]	3.0	0.7	*	[17.4]
Canned, solids and										
liquid: Water pack	1 cup halves	244	[0.0]	4.6	9.5	[0.0]	0.7	-	-	14.9
Juice pack	1 cup halves		[0.0]	8.2	14.4	[0.0]	1.5	-	-	24.1
Light syrup	•									
	1 cup halves	251	[0.0]	12.1	12.9	[0.0]	2.8	2.8	-	30.6
Heavy syrup	1 our balvoo	255	[0.0]	15.6	15.0	[0.0]	3.6	4.8	_	38.8
pack Pear juice, raw	1 cup halves 8 fl oz	250	[0.0]	4.0	17.8	[0.0]	*	-	-	[21.8]
Pineapple:	0 11 02	230	[0.0]			[]				
Raw	1 cup diced	155	[0.0]	4.5	3.3	[0.0]	4.8	0.0	-	18.4
Canned, chunks:	•									
Juice pack	1 cup	250	[0.0]	19.2	16.2	[0.0]	0.0	-	-	35.5
Heavy syrup			[0.0]	10.1	10 /	[0 0]	5.6		_	[43.1]
pack	1 cup	255	[0.0]	19.1	18.4	[0.0]	5.0			[40.1]
Pineapple juice, canned, unsweetened	8 floz	250	[0.0]	*	*	[0.0]	*	-	-	31.2
Plums, raw:	0 02									
Common	1 plum	66	[0.0]	1.8	1.2	[0.0]	2.0	0.0	*	[5.0]
Prune	1 cup halves		[0.0]	5.1	5.4	[0.0]	8.2	0.5	*	[19.3]
Pomegranates, raw	1 pomegrana		[0.0]	7.7	7.2	[0.0]	0.6	0.0	_	13.7 [21.6]
Prunes, dried	5 prunes	49	[0.0]	14.1 14.1	7.3 20.2	[0.0] [0.0]	0.2	_	_	[34.3]
Prune juice, bottled Raisins	8 floz 1 cup	256 145	[0.0] [0.0]	45.2	49.0	[0.0]	[0.0]	*	-	[94.2]
Raspberries, raw	1 cup	123	[0.0]	4.3	3.9	[0.0]	3.4	-	-	[11.7]
Rhubarb, raw	1 cup diced	122	[0.0]	0.5	0.5	[0.0]	0.1	*	*	1.1
Strawberries:	•		-			_				.
Raw	1 cup	149	[0.0]	3.3	3.7	[0.0]	1.5	0.1	-	[8.6]
Frozen,		100	[0 0]	11 E	4.5	[0.0]	0.7	_	-	[9.7]
	1 cup 1 tangelo	149 131	[0.0] [0.0]	4.5 4.8	4.5	[0.0]	4.8	_	_	[9.7]
Tangelos, raw Watermelon, raw	1/16 melon	482	[0.0]	7.7	15.9	[0.0]	17.4	2.4	-	[43.4]
	.,									
Grains and Cereals										
Amaranth, whole grain:	1	202	[0.0]	0.8	0.2	[0.0]	2.4	0.4	*	[3.8]
Raw	1 cup 1 cup	202	[0.0]	[0.2]	-	[0.0]	[0.2]	*	*	[0.5]
Breakfast cereals:	, cup		[]							_
Hot type:										
Farina, quick and										
instant:	•	170	[0 0]	*	*	[0 0]	0.7	*	0.4	[1.1]
Dry Cooked	1 cup 1 cup	176 240	[0.0] [0.0]	*	*	[0.0] [0.0]	0.7	*	0.4	۱۱۰۱ *
Cooked Farina, regular:	i cup	240	[0.0]			[0:0]	0.12			
Dry	1 cup	174	[0.0]	*	*	[0.0]	0.3	*	0.2	[0.5
Cooked	1 cup	242	[0.0]	*	*	[0.0]	0.0	*	0.0	*
Oatmeal or rolled										
oats:										
Regular or										
quick: Dry	1 cup	82	[0.0]	0.0	-	[0.0]	1.1	*	0.3	[1.5
Cooked	1 cup	239	[0.0]	0.0	-	[0.0]	1.0	*	0.0	[1.0
Maple flavor:									-	
Ďry	1 cup	94	[0.0]	-	-	[0.0]	5.9	*	0.2	[6.1
Cooked	1 cup	240	[0.0]	-	-	[0.0]	7.2	*	0.0	[7.2
Whole-wheat:	1 cur	118	[0.0]	-	0.2	[0.0]	0.7	*	0.4	[1.3
Dry Cooked	1 cup 1 cup	242	[0.0]	_	0.2	[0.0]	0.7	*	0.2	[1.0
Ready-to-eat:	, cup	F 1 F	[010]		•••		•••			
Bran flakes	2/3 cup	28	[0.0]	0.3	0.3	0.0	2.6	0.3	*	3.4

Sec.

[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present; [0.0] denotes lack of data for sugar thought not to be present; brackets around Total sugars data denote calculated value]

Food item	Common	Wainht	Mor	osacchari	des	Di	saccharid	es	Other	Total
Food item	Measure	Weight	Galactose	Glucose	Fructose	Lactose	Sucrose	Maltose	sugars	sugars
		grams				gra	<u>ms</u>			
Grains and Cereals—	Con.									
reakfast cereals:										
Ready-to-eat (con.):										
Bran flakes with									· .	
raisins	3/4 cup	39		2.8	3.2	0.0	3.9	0.0	*	10.4
Corn flakes Corn flakes, sugar	1-1/8 cup	28	[0.0]	0.4	0.7	0.0	0.7	0.1		1.9
coated	3/4 cup	28	[0.0]	0.3	0.3	0.0	10.7	0.0	*	11.2
Granola with	571 Cup		[0.0]			••••				
raisins	1/4 cup	28	[0.0]	1.3	1.3	0.3	4.8	0.0	*	7.8
Oat cereal	1-1/4 cup	28	[0.0]	0.0	0.1	0.0	0.8	0.0	*	0.8
Rice, crispy	1 cup	28	[0.0]	0.2	0.1	0.0	2.2	0.0	*	2.5
Rice, crispy,	- / -		[0, 0]						*	
sugar coated	3/4 cup	28	[0.0]	0.2	0.2	0.0	10.7	0.0	*	11.1
Rice, puffed	1 cup	14	[0.0]	0.0	0.0	0.0	0.0	0.0		0.0
Wheat and malted barley, flakes	7/8 cup	28	[0.0]	0.3	0.1	0.0	1.8	1.3	*	3.5
Wheat and malted	778 Cup	20	[0.0]	0.5	0.1	0.0	1.0	1.5		5.5
barley, nuggets.	1/4 cup	28	[0.0]	0.2	0.9	0.0	0.0	1.5	*	2.6
Wheat bran	1/3 cup	28	[0.0]	0.3	0.2	0.0	3.8	0.4	*	4.7
Wheat flakes	1 cup	28	[0.0]	0.2	0.2	0.0	2.3	0.0	*	[2.8]
Wheat, puffed:	•									
Plain	1 cup	14	[0.0]	0.0	0.1	0.0	0.1	0.0	*	0.2
Sugar coated	7/8 cup	28	[0.0]	1.0	0.4	0.0	10.8	0.5	*	12.7
Sugar and	• / •		1 • • • •							
honey coated	3/4 cup	28	[0.0]	3.4	0.3	0.0	12.6	0.0	*	16.3
Wheat, shredded	2/3 cup	28	[0.0]	0.0	0.0	0.0	0.1	0.0		0.1
Wheat, shredded, frosted	4 biscuits	28	[0.0]	0.0	0.0	0.0	7.0	0.0	*	7.0
Buckwheat groats:	4 biscuits	10	[0.0]	0.0	0.0	0.0		0.0		
Raw	1 cup	160	[0.0]	*	*	[0.0]	2.7		1.4	[4.1]
Cooked	1 cup	240	[0.0]	0.5	0.2	[0.0]	1.0	-	0.5	[2.2]
Cornstarch	1 tbsp	8	[0.0]	*	*	[0.0]	*	*	*	*
lillet, proso:	•									
Raw	1 cup	200	[0.0]	1.2	*	[0.0]	1.2	*	0.4	[2.8]
Cooked	1 cup	240	[0.0]	*	*	[0.0]	[0.2]	*	*	[0.7]
Noodles, chow mein	1 cup	52	[0.0]	*	0.1	[0.0]	0.2	0.3	0.2	[0.8]
Dat bran:	1/2	22	[0 0]	*	*	10 01	0.6	*	*	0.0
Raw	1/3 cup 1 cup	32 232	[0.0] [0.0]	_	*	[0.0] [0.0]	0.6 [0.7]	*	*	0.8 [0.9]
Cooked Dat flour	1 cup	104	[0.0]	0.1	0.0	[0.0]	0.5	*	*	0.8
asta:	, cup	104	[0.0]	0.1	0.0	[0.0]	0.5			0.0
Macaroni or spag-										
hetti, enriched:										
Dry	8 oz	227	[0.0]	1.8	1.8	[0.0]	1.8	2.3	*	[7.7]
Cooked	1 cup	140	[0.0]	0.4	0.4	[0.0]	0.4	0.6	*	[1.8]
Macaroni or spag-										
hetti, whole-wheat:			(a a 1			5 0 01				[0 11 ⁻
Dry	8 oz	227	[0.0]	1.1	0.7	[0.0]	1.6	4.5	0.5	[8.4]
Cooked	1 cup	137	[0.0]	[0.3]	[0.1]	[0.0]	0.1	0.4	0.1	[1.1]
opcorn: Unpopped	1 cup	213	[0.0]	*	*	[0.0]	0.6	*	0.4	*
Air-popped	1 cup	7	[0.0]	*	*	[0.0]	0.0	*	0.0	*
Oil-popped	1 cup	11	[0.0]	*	*	[0.0]	0.1	*	0.0	*
lice:										
Bran	1 cup	83	[0.0]	0.2	0.2	[0.0]	0.4	*	*	[0.8]
Brown:	•									
Raw	1 cup	180	[0.0]	0.2	*	[0.0]	0.7	*	0.4	[1.3]
Cooked	1 cup	164	[0.0]	0.0	*	[0.0]	0.3	*	0.0	0.5
Flour	1 cup	128	[0.0]	*	*	[0.0]	1.0	-	0.3	[1.3]
White, enriched:										
Regular :			10.03	~ •	. د	10 01	<u> </u>	<u> </u>	ـ	
Raw	1 cup	189	[0.0]	0.4	*	[0.0]	0.4	0.2	*	[1.0]
Cooked	1 cup	152	[0.0]	0.0	×	[0.0]	0.2	0.0	*	[0.3
Parboiled :	1 cur	105	[0 0]	*	*	[0 0]	07	*	*	*
Raw	1 cup	185 175	[0.0]	*	* .	[0.0]	0.7 0.5	*	*	*
Cooked	1 cup	1/5	[0.0]	••	·· ,	[0.0]	0.5			

[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present; [0.0] denotes lack of data for sugar thought not to be present; brackets around Total sugars data denote calculated value]

Food item	Common	Weight	Mon	osacchari	des	Di	saccharid	25	Other	Total
	Measure		Galactose	Glucose	Fructose	Lactose	Sucrose	Maltose	sugars	sugars
		grams				gra	ms			
Grains and Cereals—	-Con.									
Rye flour	1 cup	106	[0.0]	0.5	0.3	[0.0]	*	2.8	1 3	r 11 - 01
ortillas, corn	1 tortilla		[0:0]	0.5	0.5	[0.0]		2.0	1.3	[4.9
/heat:	(7 inch)	30	[0.0]	0.0	0.0	[0.0]	0.1	*	0.0	[0.2
Bran, crude	2 tbsp	7	[0.0]	0.0	0.0	[0.0]	0.1	0.0	*	• •
Flour:			[0.0]	0.0	0.0	[0.0]	0.1	0.0	~	0.3
Semolina White	1 cup	125	[0.0]	0.4	*	[0.0]	1.9	*	*	[2.3
Whole-wheat	1 cup 1 cup	125 120	0.0 [0.0]	0.8 *	0.4 *	[0.0]	0.5	0.0	*	2.1
Germ:	Cup	120	[0.0]			[0.0]	0.4	0.1	*	2.4
Crude	1 tbsp	5	[0.0]	*	*	[0.0]	0.4	0.0	0.2	[0.6
Toasted	1 tbsp	5	[0.0]	*	*	[0.0]	0.4	*	0.2	[0.6
Grain:	1									-
Raw Cooked	1 cup 1 cup	189 182		0.2 *	0.2 *	[0.0]	1.1	-	-	[1.5]
ild rice:	i cup	102	[0.0]		~	[0.0]	[0.4]	-	-	[0.4
Raw	1 cup	171	[0.0]	*	*	[0.0]	1.2	*	0.0	[1.2
Cooked	1 cup	161	[0.0]	0.3	0.3	[0.0]	0.5	*	0.0	[1.1
egumes³										••••
dzuki beans:										
Raw	1/2 cup	98	-	*	*	[0.0]	0.7	[0.0]	*	*
Cooked	1/2 cup	115	-	*	*	[0.0]	[0.3]	[0.0]	*	*
aked beans, canned										
vith: Franks, in tomato										
sauce	1/2 cup	128	_	1.4	1.2	*	. .			
Pork, in sweet	the cup	120		1.4	1.2		2.7	-	0.6	[5.9]
sauce	1/2 cup	126	-	2.0	1.8	[0.0]	5.4	[0.0]	1.3	[10.5]
Tomato sauce	1/2 cup	127	-	1.9	1.0	[0.0]	3.3	0.2	0.8	[7.2
ack-eyed peas:	1/2									-
Raw Cooked	1/2 cup 1/2 cup	84 86	0.7	0.2	0.2	[0.0]	1.5	[0.0]	3.3	[5.8]
roadbeans:	Tri cup	00	[0.3]	0.0	0.0	[0.0]	0.9	[0.0]	1.6	[2.8]
Raw	1/2 cup	75	0.1	0.3	0.7	[0.0]	1.6	0.0	*	4.3
Cooked	1/2 cup	85	[0.0]	[0.1]	[0.3]	[0.0]	[0.3]	[0.0]	*	[1.5]
nickpeas : Row	1/2						-			• • • • •
Raw Cooked	1/2 cup	100	0.2	0.2	0.3	[0.0]	3.8	0.4	2.2	10.7
mmon beans:	1/2 cup	82	[0.1]	[0.1]	[0.1]	[0.0]	1.0	[0.2]	0.8	[3.9]
Raw	1/2 cup	97	-	0.0	0.0	[0.0]	2.5	[0.0]	*	5.3
Cooked	1/2 cup	88	-	[0.0]	[0.0]	[0.0]	0.4	[0.0]	*	[1.9]
ntils:										[110]
Raw Cooked	1/2 cup	96	-	0.1	0.3	[0.0]	1.7	0.3	2.1	5.2
ma beans:	1/2 cup	99	-	[0.0]	0.1	[0.0]	[0.5]	0.0	0.9	[1.8]
Raw	1/2 cup	95	_	*	0.6	[0.0]	1.3	[0.0]	*	
Cooked	1/2 cup	92	-	*	[0.2]	[0.0]	[0.5]	[0.0]	*	8.1 [2.7]
ipins:							1	[0.00]		[20/]
Raw Cooked	1/2 cup	90	-	*	[0.0]	[0.0]	1.7	[0.0]	*	7.7
ing beans:	1/2 cup	83	-	*	[0.0]	[0.0]	[0.5]	[0.0]	*	[2.3]
Raw	1/2 cup	104	_	0.4	0.6	[0.0]	1 2	[0 0]	*	
Cooked	1/2 cup	96		[0.0]	[0.2]	0.0	1.2 [0.3]	[0.0] [0.0]	*	6.9 [1.9]
anuts:							[0.5]	[0.0]		[1.3]
Dried	1 oz	28	-	0.1	0.0	[0.0]	1.1	[0.0]	0.1	1.2
Dry-roasted Dil-roasted	1 oz	28	-	0.1	[0.0]	[0.0]	1.0	0.1	0.1	1.3
Spanish:	1 oz	28	-	0.0	[0.0]	[0.0]	1.0	0.0	*	*
Dried	1 oz	28	-	0.0	[0.0]	[0.0]	1.1	*	*	*
Dry-roasted	1 oz	28	-	0.1	[0.0]	[0.0]	1.0	*	*	*
anut butter	1 tbsp	16	-	0.2	0.0	0.0	1.1	0.0	*	[1.2]
anut flour,	• •-				_					
efatted	1 oz	28	-	0.6	[0.0]	[0.0]	2.0	*	*	*

³ Mature seeds.



[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present; [0.0] denotes lack of data for sugar thought not to be present; brackets around Total sugars data denote calculated value]

East item	Common	Waiaht	Mon	osacchari	des	Di	saccharid	95	Other	Total
Food item	Measure	Weight	Galactose	Glucose	Fructose	Lactose	Sucrose	Maltose	sugars	sugars
_		grams				gra	<u>ims</u>			
Legumes ³ —Con.										
⁵ eas, split:				_						
Raw	1/2 cup 1/2 cup	98 98	0.4 [0.1]	*	*	[0.0] [0.0]	2.4 [0.8]	[0.0] [0.0]	* .	7.8 [2.8]
Pigeonpeas:	1/2 Cup	50	[0.1]			[0.0]	[010]	(0.0)		
Raw	1/2 cup	102 84	-	*	*	[0.0] [0.0]	0.8 0.2	[0.0] [0.0]	*	2.9 [0.8]
Cooked Soybeans:	1/2 cup	64	-			[0.0]	0.2	[0.0]		10.0
Ŕaw	1/2 cup	93	0.0	0.2	0.5	[0.0]	3.9	[0.0]	0.6 *	6.7
Cooked Kernels, oil-	1/2 cup	86	-	[0.1]	[0.2]	[0.0]	0.4	[0.0]		[2.6
roasted	1 oz	28	-	0.0	0.0	[0.0]	1.2	[0.0]	*	*
Soyflour, dehulled,	1	20			*	[0 0]	2.0	[0.0]	0.6	[7.0
defatted	1 oz 1/4 block	28 116	2.1	2.3	0.0	[0.0] [0.0]	2.0	0.0	0.8	[0.5
Winged beans:										· · ·
Raw	1/2 cup	91 86	-	*	*	[0.0] [0.0]	5.0 [1.7]	[0.0] [0.0]	**	6.4 [2.2
Cooked	1/2 cup	00	-			[0.0]	[1.7]	[0.0]		[2.2
Meat and Poultry Pro	ducts									
Beef, corned or										
smoked	3 oz	85	-	0.1	-	-	0.5	-	-	[0.6
Ham, smoked, cooked	2 slices	57	-	0.6	_	-	0.0	_	_	[0.6
Cooked	3 oz	85	-	0.8	-	-	0.0	-	-	[0.8
iver cheese, pork	1 slice	38	-	0.7	-	-	0.0	-	-	[0.7
uncheon meat, loaf:	2 slices	57	*	0.6	_	*	0.0	-	_	[0.6
Ham and cheese Spiced beef and/or	2 Slices	57		0.0			0.0			[0.0
pork	2 slices	57	-	1.7	-	-	0.2	-	-	[1.9
Pastrami Sausage:	2 slices	57	-	0.1	-	-	0.4	-	-	[0.5
Bologna, beef	2 slices	46	-	1.1	-	-	0.1	-	-	[1.2
Frankfurter, beef										
and pork New England, beef	1 frank	51	-	1.0	-	-	0.0	-	-	[1.0
and pork	1 patty	27	-	0.5	-	-	0.0	-	-	[0.5
Pork, cooked:										
Commercial	1 link	13 53	- *	0.3 0.3	- *	*	*	*	-	[0.3 [0.4
Fast food Salami, beef	1 patty 2 slices	46	_	0.5	-	-	0.0	-	-	[0.6
Turkey, breast	2 slices	57	-	-	-	-	0.1	-	-	[0.1
Nuts and Seeds										
Nuls and Seeds										
Almonds:	_					r				
Dried Dry-roasted,	1 oz	28	[0.0]	-	-	[0.0]	1.4	0.1	0.2	1.6
unblanched	1 oz	28	[0.0]	0.1	-	[0.0]	1.2	0.0	0.2	1.5
Oil-roasted,			[]			[0.0]				
unblanched Brazilnuts ,	1 oz	28	[0.0]	0.0	-	[0.0]	1.4	-	-	1.5
oil-roasted	1 oz	28	[0.0]	0.0	-	[0.0]	0.7	-	-	[0.7
Cashew nuts, dried,										5 4 6
dry- or oil-roasted Chestnuts, European	1 oz	28	[0.0]	0.1	-	[0.0]	1.7	-	-	[1.8
(Italian), raw	1 oz	28	[0.0]	-	-	[0.0]	3.0	-	-	[3.0
Coconut:			-							
Raw	2x2x2-1/2 inch piece	45	[0.0]	0.9	0.6	[0.0]	*	-	_	1.6
Dried, sweetened,	inch piece	-5	[0.0]	0.5	v.v	[0:0]				
flaked or			F			r	a.			~~ ~
shredded	1 cup	93 28	[0.0]	0.6	0.2	[0.0]	* 9.1	_	- 1.7	32.0 [10.8
Toasted, shredded Cottonseed flour,	1 oz	28	[0.0]	-	-	[0.0]	3.1	_	1.7	[10.0
defatted	1 cup	94	[0.0]			[0.0]	2.2		_	[2.2

[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present; [0.0] denotes lack of data for sugar thought not to be present; brackets around Total sugars data denote calculated value]

Food item	Common	Weight	Mor	osacchari	des	Di	saccharid	es	Other	Total
Tood Hem	Measure	meight	Galactose	Glucose	Fructose	Lactose	Sucrose	Maltose	sugars	sugars
		grams				<u>gra</u>	<u>ms</u>			
uts and Seeds-Con	.									
azelnuts (filberts), unblanched:										
Dried	1 oz	28	0.1	0.6	-	[0.0]	*	-	0.6	1.3
Dry-roasted	1 oz 1 oz	28 28	*	0.1 0.0	-	[0.0]	0.8	-	*	[0.9
acadamia nuts,	1 02	20		0.0	-	[0.0]	1.3	-	•	[1.3]
oil-roastediil-roasted	1 oz	28	[0.0]	0.0	-	[0.0]	1.7	-	-	[1.8]
il-roasted	1 oz	28	[0.0]	0.0	-	0.0	1.1	0.0	-	[1.1]
eanutsSee LEGUMES.										
Dried	1 oz	28	[0.0]	-	-	[0.0]	1.1	-	0.1	1.2
Dry- or oil-	1		[0 0]							
roasted stachios, dried,	1 oz	28	[0.0]	0.0	-	[0.0]	1.0	-	-	[1.0]
helled	1 oz	28	[0.0]	0.1	0.0	[0.0]	0.4	0.0	*	1.9
umpkin seeds, ernels, dried	1 oz	28	[0.0]	0.0	-	[0.0]	0.3	_	-	[0.0
ifflower seeds,	1 01	20	[0.0]	0.0	-	[0.0]	0.3	-	-	[0.3
ernels, dried	1 oz	28	0.0	*	-	[0.0]	0.4	-	-	0.4
esame flour, defatted	1 oz	28	0.0	0.7	0.5	[0.0]	0.0	_	-	[1.2
esame seeds:					0.5	[0.0]	0.0			[1.2
Dried	1 tbsp	8	[0.0]	*	-	[0.0]	0.1	0.0	0.0	[0.1
Dry-roasted	1 tbsp	8	[0.0]	~	-	[0.0]	*	-	0.0	0.1
artially defatted	1 cup	80	[0.0]	0.0	-	[0.0]	1.7	-	-	[2.2
Inflower seeds, ernels:										
Dried	1 oz	28	[0.0]	-	-	[0.0]	0.7	_	0.2	0.9
Dry-roasted	1 oz	28	[0.0]	0.0	-	[0.0]	0.7	-	0.4	1.1
Oil-roasted	1 oz 1 cup	28 125	[0.0] [0.0]	0.0 0.0	-	[0.0] [0.0]	0.9 2.6	-	0.7	1.6 [2.6
			[0.0]			[0.0]	2.0			[2.0]
ugars and Sweets										
andy:										
Cashew and honey	1	20								
bar Chocolate:	1 oz	28	-	1.8	1.1	0.5	0.4	1.6	-	[5.4]
Dark, sweet	1 oz	28	-	0.0	0.0	[0.0]	13.7	[0.0]	-	[13.7]
Semisweet Chocolate, milk:	1 oz	28	-	1.3	*	0.0	14.0	0.0	*	[15.4]
Plain	1 oz	28	0.0	0.1	0.0	2.1	13.3	6.0	_	14.6
With:	-									
Almonds Crisped rice	1 oz 1 oz	28 28	*	0.1 0.1	0.1 0.1	1.7 1.8	10.8	0.0	-	13.8
Peanuts	1 oz	28	*	*	*	*	12.2 14.9	-	-	[14.2] *
Chocolate-covered:										
Caramel and rice cereal	1 oz	28	-	*	*	*	*	*	*	14.7
Caramel log	1 oz	28	-	*	*	*	4.8	*	*	*
Coconut center	1	20		*	*					
and almonds Crunchy peanut	1 oz	28	-	*	*	*	5.7	*	*	*
butter candy	1 oz	28	-	*	*	*	8.4	*	*	*
Crunchy peanut butter and										
almonds	1 oz	28	-	*	* `	*	10.1	*	*	*
Fudge, peanuts,				_						
and caramel Malt nougat and	1 oz	28	-	*	*	*	6.7	*	*	*
caramel	1 oz	28	-	*	*	*	8.0	*	*	*
Malted milk										
balls	1 oz	28	-	*	*	*	4.1	*	*	*

[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present; [0.0] denotes lack of data for sugar thought not to be present; brackets around Total sugars data denote calculated value]

Food item	Common	Weight	Mor	nosacchari	des	Di	saccharid	es	Other	Total
	Measure	meight	Galactose	Glucose	Fructose	Lactose	Sucrose	Maltose	sugars	sugars
		grams				<u>gr</u> a	<u>ims</u>			
Sugars and Sweets—	Con.									
Candy:										
Chocolate-covered (cor	n.):									
Mint-flavored	_									
fondant, discs	1 oz	28	-	*	*	*	12.8	*	*	*
Mint-flavored										
fondant, 1-1/2- inch patty	1 oz	28	-	*	*	*	22.6	*	*	*
Nougat	1 oz	28	*	2.0	0.2	1.0	10.8	2.0	*	[17.4]
Nougat and										
caramel	1 oz	28	-	*	*	*	7.6	*	*	*
Nougat, caramel,	_					*		*	*	*
and almonds	1 oz	28	-	*	*	*	10.3	*	*	*
Peanut butter										
nougat, caramel, and peanuts	1 oz	28	-	1.8	0.1	1.2	7.8	1.8	0.1	[12.8]
Peanuts	1 oz	28	*	*	*	0.3	9.7	-	-	*
Wafer cookie bar	1 oz	28	*	*	*	1.4	11.0	-	-	12.4
Coconut bar	1 oz	28	-	3.0	0.9	0.0	7.5	0.9	*	[12.3]
Confectioners'										-
coatings:										
Carob	1 oz	28	-	1.4	2.3	0.0	7.0	0.0	-	10.7
White chocolate	1 oz	28	-	*	*	2.8	14.9	*	-	[17.7]
Fruit and honey		••								(- 1
bar	1 oz	28	-	2.9 *	2.2 *	0.0	1.4	0.7	*	[7.1]
Hard candy	1 oz 1 oz	28 28	[0.0]	*	*	[0.0] [0.0]	18.9 16.7	-	_	[18.9]
Jelly beans	1 02 1 02	28	[0.0] [0.0]	*	*	[0.0]	16.4	-	_	*
Licorice	1 oz	28	[0.0]	*	*	[0.0]	5.5	-	_	*
Praline (chewy)	1 oz	28	-	*	*	-	7.4	_	_	*
Salted nut bar (pea-										
nuts, caramel, and										
vanilla fudge)	1 oz	28	-	*	*	-	9.4	-	-	*
Sugar-coated choco-										
late and peanut										
discs	1 oz	28	*	*	*	1.2	12.2	-	0.0	[13.4]
Sugar-coated	• -	20	* *	*	*					[h]
chocolate discs	1 oz	28	*	*	*	1.0	14.6	-	-	[16.4]
Sunflower and honey	1 oz	28	_	1.7	1.2	0.4	0.4	2.0	_	[5.8]
bar Sunflower candy	1 02	20	_	1.7	1.2	0.4	0.4	2.0	_	[3.0]
bar	1 oz .	28	_	0.1	0.7	0.0	4.1	0.6	-	[5.5]
Taffy, fruit-		20		•••	•••	0.0	•••			[0.0]
flavored	1 oz	28	-	3.3	1.0	-	10.6	2.0	1.7	18.7
Toffee	1 oz	28	-	1.9	1.5	0.7	11.6	-	[15.7]	*
Caramel popcorn	1 oz	28	-	0.7	0.2	-	9.6	0.3	0.3	11.1
Chewing gum	1 piece	3	[0.0]	-	-	-	2.1	[0.0]	[0.0]	[2.1]
Sugarless	1 piece	3	[0.0]	[0.0]	[0.0]	[0.0]	0.0	[0.0]	[0.0]	[0.0]
Chocolate, bakingSee										
MISCELLANEOUS.										
Frosting, canned:	1	314		11 -	c =	16 "	122 2	E 0	*	177 -
Chocolate Other flavors	1 cup	310 310	_	11.5 4.3	6.5	16.4	133.3 210.2	5.0 3.7	*	172.7
Gelatin, flavored mix,	1 cup	210	-	4.3	2.2	0.0	210.2	5.1		[220.4]
sweetened, prepared:										
Orange	1/2 cup	120	[0.0]	6.0	*	[0.0]	9.4	-	*	[15.4]
Raspberry	1/2 cup	120	[0.0]	6.5	*	[0.0]	4.0	-	-	[10.4]
Strawberry	1/2 cup	120	[0.0]	1.0	*	[0.0]	2.2	-	-	[3.1]
loney	1 tbsp	21	[0.0]	7.1	8.9	[0.0]	0.3	0.9	-	[17.2]
lolasses:	-									
Blackstrap	2 tbsp	40	[0.0]	3.0	3.2	[0.0]	10.8	-	0.2	17.1
Regular	2 tbsp	40	[0.0]	4.5	5.2	[0.0]	13.9	-	0.4	[24.0]
Puddings :										
Canned:	F	4		+	+	*				*
Banana	5-oz can	142	-	*	*	*	16.6	-	-	*
Butterscotch Chocolate	5-oz can 5∽oz can	142 142	-	*	*	*	21.9 18.9	-	-	*
Chocolate fudge	5-oz can	142	-	*	*	*	20.3	-	-	*
chocolate hudge	5 02 Call	142	-	-	-		20.3	-	-	

[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present; [0.0] denotes lack of data for sugar thought not to be present; brackets around Total sugars data denote calculated value]

Food item	Common Measure	Weight	Monosaccharides			Disaccharides			Other	Total
roou rtem			Galactose	Glucose	Fructose	Lactose	Sucrose	Maltose	sugars	sugars
		grams				gra	<u>ms</u>			
ugars and Sweets-	-Con.									
uddings:										
Canned (con.):										
Rice Tapioca	5-oz can 5-oz can	142 142	-	*	*	*	14.6 10.8	-	-	*
Vanilla	5-oz can	142	-	*	*	*	20.9	-	_	*
Chilled, coconut										
cream	5 oz	142	-	*	*	*	16.2	-	-	*
ugar: Brown	1 cup	220	[0.0]	11 1		[0 0]	105 5			
Granulated	1 cup 1 cup	220	[0.0] [0.0]	11.4	0.9	[0.0] [0.0]	185.5 193.6	-	-	[197.8] 193.6
Powdered, sifted	1 cup	100	[0.0]	-	-	[0.0]	93.0	-	_	93.0
undae, fast food:	•									
Caramel	1 sundae	165	-	8.2	1.3	8.9	19.5	3.6	-	41.2
Hot fudge Strawberry	1 sundae 1 sundae	164 164	<u> </u>	2.5	0.8	9.3	27.9	0.7	-	41.7
/rup:	i sunuae	104	-	10.2	5.6	7.4	20.5	-	-	44.6
Chocolate	2 tbsp	38	-	4.8	2.9	1.9	11.6	1.7	2.8	19.7
Corn:	•									
Dark	2 tbsp	42	-	6.3	0.5	[0.0]	0.9	4.1	3.7	[15.5]
High-fructose Light	2 tbsp 2 tbsp	42 42	-	15.3	15.7	[0.0]	0.3 *	*	*	[31.3]
Maple	2 tbsp 2 tbsp	42	[0.0]	8.7 1.0	0.9 0.4	[0.0] [0.0]	24.8	6.3	5.6	[21.5] [26.2]
Pancake	1 tbsp	20	[0.0]	3.9	1.0	[0.0]	2.4	2.2	1.3	[10.9]
Sorghum	1 tbsp	21	[0.0]	*	*	[0.0]	7.0	-	-	13.8
Sugar,										
caramelized	1 tbsp	15	[0.0]	4.8	-	[0.0]	1.8	0.3	-	[6.8]
opping, dessert: Butterscotch	2 tbsp	38	_	*	_	0.5	*	-		*
Chocolate	2 tbsp	38	-	*	_	1.1	*	-	-	*
egetables										
lfalfa seeds,										
sprouted, raw	1 cup	33	[0.0]	0.0	0.1	[0.0]	*	*	0.0	*
rtichokes:	· uup	55	[0.0]	0.0	0.1	[0.0]			0.0	
Raw	1 medium	128	[0.0]	1.9	0.8	[0.0]	0.1	*	*	2.6
Cooked	1 medium	120	[0.0]	1.0	0.0	[0.0]	0.4	*	*	1.3
sparagus: Raw	1/2 000	67	[0, 0]	.		[0 0]				
Raw Cooked	1/2 cup 1/2 cup	67 90	[0.0] [0.0]	0.6 0.5	0.9 0.7	[0.0] [0.0]	0.1 0.2	*	*	1.4
alsam-pear, raw	1/2 cup	24	[0.0]	*	*	[0.0]	*	*	*	1.4 0.2
eans, snap:						[010]				0.2
Raw	1/2 cup	55	[0.0]	0.5	0.7	[0.0]	0.1	0.2	0.2	1.4
Cooked	1/2 cup	62	[0.0]	0.5	0.6	0.0	0.2	0.1	0.1	1.2
Canned, drained solids	1/2 cup	68	[0.0]	0.4	0.3	[0.0]	0 1	0 1	0 1	[1 1]
Frozen	1/2 cup	62	[0.0]	0.6	0.5	0.0	0.1 0.2	0.1 0.1	0.1 0.1	[1.1] [1.6]
Frozen, cooked	1/2 cup	68	[0.0]	0.6	0.7	[0.0]	0.2	0.1	0.1	[1.8]
eets, raw, sliced	1/2 cup	68	[0.0]	0.1	0.1	[0.0]	4.1	*	*	4.0
orage, raw	1/2 cup	44	[0.0]	*	*	[0.0]	*	*	*	0.4
roadbeans, immature										
Raw	1 cup	109	[0.0]	0.2	0.2	[0.0]	0.2	0.1	*	2.0
Cooked	$1/2 \text{ cup}^2$	85	[0.0]	0.1	0.0	[0.0]	0.2	0.1	*	0.4
occoli, raw	1 spear	151	[0.0]	0.9	1.1	[0.0]	0.5	*	0.6	[3.0]
ussels sprouts:	1/2 -		1							
Raw Cooked	1/2 cup	78		0.5 *	0.6 *	[0.0]	0.3 *	*	*	1.7
bbage, chinese,	1 sprout	21	[0.0]	~	~	[0.0]	*	*	*	*
aw:										
Pak-choi	1/2 cup	35	[0.0]	*	*	[0.0]	*	*	*	0.4
Pe-tsai	1 cup	76	[0.0]	0.6	0.5	[0.0]	*	*	*	1.0
bbage, common:	1/2	~-			_					
Raw, shredded Cooked	1/2 cup	35	[0.0]	0.4 *	0.3	[0.0]	0.2	*	*	1.3
COUREU	1/2 cup	78	[0.0]	~	*	[0.0]	*	*	*	*

² Value from similar food.

[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present; [0.0] denotes lack of data for sugar thought not to be present; brackets around Total sugars data denote calculated value]

E	Common Weight		Monosaccharides			Disaccharides			Other	Total	
Food item	Measure	Weight	Galactose	Glucose	Fructose	Lactose	Sucrose	Maltose	sugars	sugars	
***************************************		grams				gra	ms				
egetablesCon.											
abbage, red:						<i></i>	• •				
Raw, shredded	1 cup	70	[0.0]	1.7	1.6	[0.0]	0.4	* *	*	3.8 0.6	
Cooked	1 leaf	22	[0.0]	0.3	0.2	[0.0]	0.1			0.0	
Cabbage, savoy, raw, shredded	1 cup	70	[0.0]	*	*	[0.0]	*	*	*	2.0	
Cardoon, raw,	i cup		[0.0]			[]					
shredded	1/2 cup	89	[0.0]	*	*	[0.0]	*	*	*	1.5	
Carrots:											
Raw	1 carrot	72	[0.0]	0.7	0.7	[0.0]	2.6	*	0.4	4.8	
Cooked	1/2 cup	78	[0.0]	0.9	0.8	[0.0]	2.2	×	0.2	3.2	
Canned, drained			[]			[0.0]		*	0.1	(2.2)	
solids, sliced	1/2 cup	73	[0.0]	0.6	0.4	[0.0]	1.3	0.1	0.1 0.1	[2.3]	
Frozen, sliced	1/2 cup	64	[0.0]	0.6	0.5	[0.0]	1.9	0.0	0.1	[3.3]	
Frozen, cooked	1/2 cup	73	[0.0]	0.7	0.5	[0.0]	2.0 1.3	0.0	*	1.7	
Cassava root, raw	1 cup cubes		[0.0]	0.1 0.4	0.1 0.4	[0.0] [0.0]	0.2	*	*	1.2	
Cauliflower, raw	1/2 cup	50 78	[0.0]	0.4 *	0.4 *	[0.0]	0.2 *	*	*	1.2	
Celeriac, raw	1/2 cup	78 40		0.2	0.2	[0.0]	0.1	*	*	0.4	
Celery, raw	1 stalk	40	[0.0] [0.0]	*	*	[0.0]	*	*	*	0.4	
Celtuce, raw	1 leaf	0	[0.0]		-	[0.0]				0.1	
Chard, swiss:	1/2 cup	18	[0.0]	0.1	0.0	[0.0]	0.0	*	*	0.2	
Raw, chopped Cooked, chopped	1/2 cup	88	[0.0]	0.1	0.2	[0.0]	0.0	*	*	0.4	
		90	[0.0]	*	*	[0.0]	[0.0]	*	*	0.8	
Chicory greens, raw Chicory roots, raw,	1/2 cup	30	[0.0]			[0.0]	[0.0]				
chopped	1/2 cup	45	[0.0]	*	*	[0.0]	0.4	*	*	1.1	
Chives, raw,											
chopped Chrysanthemum,	1 tsp	1	[0.0]	0.0	0.0	[0.0]	0.0	-	-	0.0	
garland, raw	1 stem	14	[0.0]	0.0	0.0	[0.0]	0.0	*	*	*	
Corn, sweet, cut:	1 Stem	• •	[0.0]			[]					
Raw	1/2 cup	77	[0.0]	0.6	0.5	[0.0]	2.6	0.5	0.3	[4.5	
Cooked	1/2 cup	82	[0.0]	0.4	0.2	[0.0]	1.2	0.2	0.1	[2.1	
Canned, drained											
solids	1/2 cup	82	[0.0]	0.2	0.2	[0.0]	2.0	0.0	0.0	[2.3	
Frozen	1/2 cup	82	[0.0]	0.4	0.3	[0.0]	1.1	0.2	0.1	[2.1	
Frozen, cooked	1/2 cup	82	[0.0]	0.3	0.2	[0.0]	1.0	*	*	[1.5	
Cowpeas, immature	•										
seeds, raw	1/2 cup	72	[0.0]	*	*	[0.0]	*	*	*	2.2	
Cucumber, raw,											
sliced	1/2 cup	52	[0.0]	0.5	0.5	[0.0]	0.0	0.0	0.1	1.2	
Dandelion greens,				-	-	• - · · •	<u> </u>				
raw	1/2 cup	28	[0.0]	0.1	0.1	[0.0]	0.4	*	*	[0.7	
Eggplant:				- -	- -	7 1	• •	1	*		
Raw	1/2 cup	41	[0.0]	0.7	0.6	[0.0]	0.1	*	*	1.4	
Fried, unbreaded	1 cup	130	[0.0]	2.2	2.5	[0.0]	0.4	-	*	5.2	
Endive, escarole,			(A. A.)	<u>ـ</u>	*	10 01	~ ~	*	*		
raw, chopped	1/2 cup	25	[0.0]	*	*	[0.0]	0.0 *	*	*	0.3	
Garlic, raw	1 clove	3	[0.0]	~	^	[0.0]	-	-	-	0.0	
Horseradish, raw	1 stalk	227	10 01	*	*	[0.0]	*	*	*	6.1	
lonucator artichokoc	(14 inch)	337	[0.0]			[0.0]		-		0.1	
Jerusalem artichokes,											
raw, chopped: Freshly harvested	1 cup	130	[0.0]	0.0	0.3	[0.0]	3.0	0.0	*	3.2	
Stored	1 cup 1 cup	143	[0.0]	0.9	1.1	[0.0]	10.7	1.0	*	13.7	
	1/2 cup	34	[0.0]	0.9	0.1	[0.0]	*	*	*	0.7	
Kale, raw, chopped	The cup	54	[0.0]	V. I	v. 1	[0.0]				0.7	
(ohlrabi, raw, chopped	1/2 cup	70	[0.0]	0.9	0.8	[0.0]	0.4	*	*	3.2	
chopped	Trz cup	/ •	[0.0]	0.5	0.0	[0.0]	v. 7				
Raw	1 leek	124	[0.0]	1.4	1.9	[0.0]	1.2	*	*	4.8	
Cooked	1 leek	124	[0.0]	0.5	0.4	[0.0]	0.4	*	*	1.2	
_ettuce, cos			[]	- • •							
(romaine), raw,											
shredded	1/2 cup	28	[0.0]	*	*	[0.0]	*	*	*	0.6	
Lettuce, iceberg,	···· F										
raw	2 leaves	40	[0.0]	0.3	0.3	[0.0]	*	*	0.0	0.7	
						-					
Mung beans, sprouted,									0.2	1.1	

[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present; [0.0] denotes lack of data for sugar thought not to be present; brackets around Total sugars data denote calculated value]

Food item	Common Weight Measure Weight	Weight	Monosaccharides			Disaccharides			Other	Total	
		incigint	Galactose	Glucose	Fructose	Lactose	Sucrose	Maitose	sugars	sugars	
		grams				gra	ms				
Vegetables—Con.											
lushrooms, raw	1/2 cup	35	[0.0]	0.2	0.1	[0.0]	*	*	0.1	[0.7]	
Austard greens, raw,	1/2		f a a 1								
chopped)kra, raw, sliced	1/2 cup 1/2 cup	28 50	[0.0]	0.1 0.4	0.1	[0.0]	0.0	*	*	0.2	
Dnions, mature, raw,	1/2 Cup	30	[0.0]	0.4	0.5	[0.0]	0.4	•	•	1.2	
chopped	1/2 cup	80	[0.0]	1.9	0.7	[0.0]	1.0	*	*	5.0	
onions, spring, raw,											
chopped	1/2 cup	50	[0.0]	1.4	*	[0.0]	0.2	*	*	1.6	
arsley, raw, chopped	1/2 cup	30	[0.0]	0.0	*	[0.0]	0 1	*	*	0.2	
arsnips, raw,	172 Cup	50	[0.0]	0.0		[0.0]	0.1			0.3	
chopped	1/2 cup	67	[0.0]	0.1	0.1	[0.0]	1.7	*	*	3.2	
eas, edible-podded,	•		• • • •							5.2	
raw	1/2 cup	72	[0.0]	*	*	[0.0]	*	*	*	2.9	
Peas, sweet:	1/2	70	10 01		• •	r	_ .				
Raw Cooked	1/2 cup	78 80	[0.0]	0.0	0.0		3.4	0.1	0.3	4.4	
Canned, drained	1/2 cup	00	[0.0]	0.2	0.1	[0.0]	3.8	0.2	0.4	[4.7]	
solids	1/2 cup	85	[0.0]	0.0	0.0	[0.0]	2.6	0.1	0.3	[3.0]	
Frozen	1/2 cup	72	[0.0]	0.1	0.1	[0.0]	3.2	0.1	0.4	[3.9]	
Frozen, cooked	1/2 cup	80	[0.0]	*	0.1	[0.0]	3.8	0.2	0.4	[4.4]	
eppers, chili, raw,											
chopped	1/2 cup	75	[0.0]	*	*	[0.0]	*	*	*	4.0	
Peppers, sweet, green, raw, chopped	1/2 cup	50	[0 0]	<u> </u>		[0.0]	•				
otatoes:	1/2 cup	50	[0.0]	0.6	0.6	[0.0]	*	*	0.0	1.2	
Baked:											
Flesh	1/2 cup	61	[0.0]	0.2	0.2	[0.0]	0.1	*	0.4	[1.0]	
Flesh and skin	1 potato	202	[0.0]	[0.8]	[0.8]	[0.0]	[0.6]	*	[1.2]	[3.2]	
_ Skin	from 1 pota		[0.0]	0.2	0.2	[0.0]	0.3	*	0.1	[0.8]	
French-fried	1 serving	68	[0.0]	0.1	0.1	0.0	0.1	0.0	*	0.3	
Hashed-brown	1 serving	55	[0.0]	0.1	0.0	0.0	0.1	0.0	*	0.1	
Raw, cubed	1/2 cup	58	[0.0]	1.0		[0.0]		*	*		
Cooked, mashed	1/2 cup	122	[0.0]	1.0 [1.6]	0.8 [1.2]	[0.0] [0.0]	0.8 [1.2]	*	*	[2.6]	
adishes, chinese,			[0.0]	[1.0]	[1.2]	[0.0]	[[.2]			[4.0]	
raw, sliced	1/2 cup	44	[0.0]	*	*	[0.0]	*	*	*	1.1	
adishes, common,											
raw	10 radishes	45	[0.0]	0.5	0.3	[0.0]	0.2	*	*	1.2	
adishes, icicle, raw,	1/2	50	10.01	*	*	r					
sliced utabagas, raw,	1/2 cup	50	[0.0]	•	*	[0.0]	*	*	*	1.2	
cubed	1/2 cup	70	[0.0]	2.2	1.0	[0.0]	0.6	*	*	2.0	
alsify, raw, sliced	1/2 cup	67	[0.0]	*	*	[0.0]	*	*	*	3.9 1.9	
alsify, black, raw,	•		/			[010]				1.5	
sliced ²	1/2 cup	67	[0.0]	0.0	0.1	[0.0]	0.7	*	*	[0.8]	
hallots, raw,	4 46	••									
chopped	1 tbsp	10	[0.0]	*	0.0	[0.0]	0.2	*	*	0.3	
Raw, chopped	1/2 cup	28	[0 0]		0.0	[0.0]			• •		
Cooked	1/2 cup	90	[0.0] [0.0]	0.0 0.0	0.0 0.0	[0.0] [0.0]	0.0 0.0	*	0.0 *	0.1 *	
quash, raw, sliced	1/2 cup	65	[0.0]	0.6	0.6	[0.0]	0.0	*	*	* 1.4	
weetpotatoes:	•										
Raw	1 potato	130	[0.0]	0.6	0.4	[0.0]	3.6	*	* .	7.4	
Baked, cubed	1/2 cup	88	[0.0]	*	*	[0.0]	*	*	*	9.9	
Canned, vacuum	1	200	[0.0]	<u>ـ</u>	×						
pack aro, raw, sliced	1 cup 1/2 cup	200		*	*	[0.0]	*	*	*	30.8	
omatoes:	1/2 cup	52	[0.0]	-	~	[0.0]	*	*	*	0.4	
Raw	1 tomato	123	[0.0]	1.4	1.7	[0.0]	0.0	*	<u>^ </u>	2 1	
Cooked	1/2 cup	120	[0.0]	1.6	1.8	[0.0]	0.0	*	0.6 0.5	3.4 [3.8]	
Canned, solids and						[]	~ . •		0.5	[2,0]	
liquid	1/2 cup	120	[0.0]	1.2	1.4	[0.0]	0.0	*	0.4	[3.0]	
omato catsupSee						-					
MISCELLANEOUS.											
omato juice, canned	1/2 cum	100	[0 0]				<u> </u>	• •			
Annieu	1/2 cup	122	[0.0]	1.7	2.3	0.0	0.0	0.0	*	[4.0]	

² Value from similar food.

÷.,

[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present; [0.0] denotes lack of data for sugar thought not to be present; brackets around Total sugars data denote calculated value]

Food item	Common		Monosaccharides		Disaccharides			Other	Total	
	Measure	Weight	Galactose	Glucose	Fructose	Lactose	Sucrose	Maltose	sugars	sugars
		grams				gra	<u>ms</u>			
Vegetables—Con.										
Tomato products,										
canned :						10 01		*	*	[3.1]
Paste	1/2 cup	131	[0.0]	1.4	1.7	[0.0]	0.0 *	*	*	[3.1] *
Puree	1 cup	250	[0.0]	7.2	8.5	[0.0]	*	*	*	*
Sauce	1/2 cup	122	[0.0]	2.4	2.2	[0.0]	*	*	•	~
<pre>Furnips, cubed:</pre>						- · · •			*	
Raw	1/2 cup	65	[0.0]	1.9	*	[0.0]	0.5	*	*	2.5
Cooked	1/2 cup	78	[0.0]	*	*	[0.0]	*	*	*	*
furnip greens,										
chopped :										
Raw	1/2 cup	28	[0.0]	0.3	0.2	[0.0]	0.1	*	*	[0.6]
Cooked	1/2 cup	72	[0.0]	0.1	0.0	[0.0]	0.0	*	*	0.1
/egetable juice,										
canned	1/2 cup	121	[0.0]	1.6	2.3	0.0	0.2	0.0	*	4.0
Waterchestnuts, raw,										
unpeeled	1 nut	12	[0.0]	*	*	[0.0]	*	*	*	0.6
Vatercress, raw	1 sprig	2	[0.0]	0.0	0.0	[0.0]	0.0	*	*	0.0
Vaxqourd, raw,	i sping	-	[0.0]	•.•	••••					
cubed	1 cup	132	[0.0]	0.7	0.7	[0.0]	0.0	*	*	[1.4]
	1 cup	152	[0.0]	0.7	•••	[0.0]				
Yams, cubed:	1/2	75	[0.0]	0.0	0.0	[0.0]	0.3	0.0	. *	0.4
Raw	1/2 cup	68	[0.0]	0.0	0.0	[0.0]	[0.3]	[0.0]	*	[0.3]
Cooked	1/2 cup	00	[0.0]	0.0	0.0	[0.0]	[0.5]	[0.0]		[0.0]
Viscellaneous										
Carob powder,										[# F]
sweetened	2 tbsp	13	[0.0]	1.2	[0.0]	[0.0]	3.3	*	*	[4.5]
Chocolate, baking	1 oz	28	-	0.0	0.1	*	0.1	*	*	[0.2]
Cocoa, powder:										
Natural	1 oz	28	-	0.0	0.2	*	0.1	*	*	*
Dutch	1 oz	28	-	0.0	0.2	*	0.1	*	*	*
Dressing:										
Caesar	1 tbsp	15	[0.0]	0.2	0.1	0.0	0.1	0.1	-	0.4
Cole slaw	1 tbsp	15	[0.0]	0.7	0.6	0.0	2.0	0.0	-	3.2
French, low-										
calorie	1 tbsp	16	[0.0]	1.2	1.1	0.0	0.8	0.0	-	3.1
Russian	1 tbsp	16	[0.0]	2.8	0.3	0.0	1.0	0.9	-	5.0
Russian, low-			7							
calorie	1 tbsp	15	[0.0]	2.4	1.8	0.0	0.0	0.0	-	4.2
Sandwich spread	1 tbsp	15	[0.0]	0.7	0.6	0.0	1.2	0.0	-	2.5
•	1 tbsp	17	[0.0]	1.1	0.6	0.0	0.3	0.2	-	2.2
Steak sauce	•	15	[0.0]	1.1	0.5	[0.0]	*	*	*	[1.7
Tomato catsup	1 tbsp	15	[0.0]	1.1	0.5	[0.0]				

Table 3. Raffinose and Stachyose in SelectedFoods, 100 Grams, Edible Portion

[Dash denotes lack of data for sugar that may be present]

Food item	Raffinose	Stachyose
Grains and Cereals	gra	ims
Amaranth, grain	0.3	-
Millet, proso	0.1	
Oat bran Oat flour	0.3 0.2	0.2 0.1
Rice bran	0.1	-
Sorghum, grain	0.1	-
Wheat bran	0.1	
Wheat flour, white	0.2	-
Whole wheat flour	0.2	. -
Legumes'		
Adzuki beans, raw Broadbeans:	0.2	3.9
Raw	0.3	0.9
Cooked	0.4	0.2
Chickpeas :		*
Raw	0.7	2.4
Cooked	0.4	0.5
Black-eyed peas, raw Common beans:	0.5	2.4
Raw	0.3	1.5
Cooked	0.2	0.7
Lentils, raw	0.3	1.9
Lima beans, raw	0.4	2.5
Lupins, raw Mung beans:	0.7	3.7
Raw	0.8	1.4
Cooked	0.3	0.3
Peanuts, dried	0.1	0.4
Peas, split, raw Pigeonpeas:	0.7	2.1
Raw	0.7	1.4
Cooked	0.4	0.4
Soybeans, raw Soyflour, dehulled,	0.7	3.2
defatted Winged beans, raw	0.8 1.3	4.6 2.9
Nuts and Seeds		
Cottonseed flour, defatted	9.2	0.8
PeanutsSee LEGUMES.		
Pistachios, dried, shelled	0.6	0.1
Sesame flour, defatted	0.2	0.2
Sunflower flour, defatted	3.0	-
Vegetables		
Beets, raw	0.1	0.0
Broccoli, raw	0.1	0.2
Brussels sprouts, raw	0.2	-
Cabbage, raw	0.1	0.1
Carrots, raw	0.1	0.1
Cauliflower, raw	- 1 3	0.1
Chicory, raw	1.2	0.3
Corn, sweet, raw _eeks, raw	0.2 0.1	0.2 0.6
_ettuce, cos, raw	0.1	0.6
Onions, mature, raw	1.4	0.7
Parsley, raw	0.3	-
Parsnips, raw	0.6	0.0
Pepper, sweet, green, raw	0.1	-
Pumpkin, raw	0.1	0.1
umpkin, raw		
Salsify, black, raw	1.6	1.1
Salsify, black, raw Squash, raw Fomato paste	1.6 0.1	1.1 0.1

¹ Mature seeds.

Table 4. Mannitol and Sorbitol in SelectedFoods, 100 Grams, Edible Portion

[Asterisk denotes lack of data for sugar known to be present; dash denotes lack of data for sugar that may be present]

Food item	Mannitol	Sorbitol
· · · · · · · · · · · · · · · · · · ·	gr	ams
Beverages		
Beer, light	-	0.0
Beer, regular	-	0.0
Fruits and Fruit Juices		
Apples, raw, unpeeled Apple juice, canned,	_	0.3
unsweetened	-	1.0
Apricots, raw	-	0.8
Cherries, raw, sour	-	1.0
Cherries, raw, sweet	-	2.1
Grapes, raw, American	-	0.1
Nectarines, raw	-	0.6
Peaches :		
Raw	-	0.2
Canned, juice pack	-	*
Dried	-	*
Pears, raw	-	2.3
Plums, raw, common	-	0.6
Prunes, dried	-	12.0
Vegetables		
Carrots, raw	0.2	-
Celery, raw	0.1	-
Cucumber, raw	0.1	-
Onions, mature, raw	0.1	
Radishes, common, raw	0.1	-

Sources of Data

Abdullah, A., R.E. Baldwin, and H. Minor. 1984. Germination Effects on Flatus-Causing Factors and Antinutrients of Mung beans and Two Strains of Small-Seeded Soybeans. J. Food Prot. 47:441-444.

Abou-Guendia, M., and B.L. D'Appolonia. 1973. Changes in Carbohydrate Components During Wheat Maturation. II. Changes in Sugars, Pentosans, and Starch. Cereal Chem. 50:723-734.

Alabran, D.M., and A.F. Mabrouk. 1973. Carrot Flavor: Sugars and Free Nitrogenous Compounds in Fresh Carrots. J. Agric. Food Chem. 21:205-208.

Alm, L. 1980. Effect of Fermentation on Lactose, Glucose, and Galactose Content in Milk and Suitability of Fermented Milk Products for Lactose Intolerant Individuals. J. Dairy Sci. 65:346-352.

Aman, P. 1979. Carbohydrates in Raw and Germinated Seeds from Mung Bean and Chickpea. J. Sci. Food Agric. 30:869-875.

Anan, T., H. Takayanag, K. Ikegaya, and M. Nakagawa. 1981. High-Performance Liquid Chromatographic Determination of Free Sugars in Green Tea. Nippon Shokuhin Kogya Gakkaishi 28:632-639.

Augustin, J., P. Tassinari, and P.K. Melethil. 1986. Nutritional Evaluation of the Solid and Liquid Portions of Selected Canned Fruits and Vegetables. Food Research Center, University of Idaho. USDA Contract, Final Progress Report.

Baker's, General Foods Corporation. 1982. Chocolate, Cocoa, Coconut. Tarrytown, New York: Baker's General Foods Corporation. Unpublished data.

Barratt, D.H.P. 1982. Chemical Composition of Mature Seeds from Different Cultivars and Lines of <u>Vicia faba</u> L. J. Sci. Food Agric. 33:603-608.

Becker, R. 1968. Identification of Some Sugars and Mannitol in Celery. J. Food Sci. 33:128-130.

Becker, R., and K. Lorenz. 1978. Saccharides in Proso and Foxtail Millets. J. Food Sci. 43:1412-1414.

Best Foods. 1981. Nutritive Values of Food Products Made by Best Foods, CPC International, Inc., North America. Unpublished data.

Bhatty, R.S. 1974. Chemical Composition of Some Faba Bean Cultivars. Can. J. Plant Sci. 54:413-421.

Bianchi, M.L.P., H.C. Silva, and G.L. Braga. 1984. Oligosaccharide Content of Ten Varieties of Dark-Coated Soybeans. J. Agric. Food Chem. 32:355-357.

Bianchi, M.L.P., H.C. Silva, and M.A.P. Campos. 1983. Effect of Several Treatments on the Oligosaccharide Content of a Brazilian Soybean Variety. J. Agric. Food Chem. 31:1363-1364.

Biliaderis, C.G., and D.R. Grant. 1979. A Comparison of the Enzymatic Hydrolysis of Smooth Pea Starch to that of Corn and Wheat. Can. Inst. Food Sci. Technol. J. 12:131-134.

Boland, F.E., V.H. Blomquist, and B. Estrin. 1972. Fruit and Fruit Products--Chemical Composition of Mexican Pineapple. J. Assoc. Off. Anal. Chem. 55:200-201. Bourges, H., J.L. Camacho, and N. Banafunzi. 1981. Composition and Nutritive Value of Green Soybeans of the BM2 Variety. J. Amer. Oil Chem. Soc. 58:371-372.

Brown, A.G., and D.M. Harvey. 1971. The Nature and Inheritance of Sweetness and Acidity in the Cultivated Apple. Euphytica 20:68-80.

Buckee, G.K., and R. Hargitt. 1977. Measurement of Residual Carbohydrate in Beer. J. Inst. Brewing 83:275-278.

Calixto, F.S., M. Bauza, F.M. De Toda, and A. Argamenteria. 1981. Amino Acids, Sugars, and Inorganic Elements in the Sweet Almond (<u>Prunus amygdalus</u>). J. Agric. Food Chem. 29:509-511.

Canella, M., A. Bernard, and D. Marghinotti. 1984. Fermentation of Sunflower Meal. Lebensm. Wiss. Technol. 17:142-145.

Carey, E.E., A.M. Rhodes, and D.B. Dickinson. 1982. Postharvest Levels of Sugars and Sorbitol in Sugary Enhancer (su se) and Sugary (su Se) Maize. HortScience 17:241-242.

Cegla, G.F., and K.R. Bell. 1977. High Pressure Liquid Chromatography for the Analysis of Soluble Carbohydrates in Defatted Oilseed Flours. J. Amer. Oil Chem. Soc. 54:150-152.

Cerning, J., A. Saposnik., and A. Guilbot. 1975. Carbohydrate Composition of Horse Beans (Vicia faba) of Different Origins. Cereal Chem. 52:125-138.

Cerning-Beroard, J., and A. Filiatre. 1976. A Comparison of the Carbohydrate Composition of Legume Seeds: Horsebeans, Peas, and Lupines. Cereal Chem. 53:968-978.

Chan, H.T., and S.C. Kwok. 1975. A Research Note: Identification and Determination of Sugars in Some Tropical Fruit Products. J. Food Sci. 40:419-420.

Chan, H.T., and C.W.Q. Lee. 1975. A Research Note: Identification and Determination of Sugars in Soursop, Rose Apple, Mountain Apple, and Surinam Cherry. J. Food Sci. 40:892-893.

Chung, W.C., M.W. Kim, K.J. Song, and E.H. Choi. 1984. Chemical Composition in Relation to Quality Evaluation of Korean Honey. Korean J. Food Sci. Technol. 16(1):17-22.

Colonna, P., D. Gallant, and C. Mercier. 1980. <u>Pisum</u> sativum and <u>Vicia</u> faba Carbohydrates: Studies of Fractions Obtained After Dry and Wet Protein Extraction Processes. J. Food Sci. 45:1629-1636.

Cornwell, C.J., R.E. Wrolstad, and F.G.R. Reyes. 1981. Effect of Sucrose Addition on the Sugar and Sorbitol Composition of Frozen Sweet Cherries and their Derived Concentrates. J. Food Sci. 47:281-284.

Dako, D.Y., J.D. Watson, and M. Amoakwa-Adu. 1974. Available Carbohydrates in Ghanaian Foodstuffs. Part I: Distribution of Sugars in Fruits. Plant Foods for Man 1:121-125.

Damon, C.E., and B.C. Pettit. 1980. Sugars and Sugar Products: High Performance Liquid Chromatographic Determination of Fructose, Glucose, and Sucrose in Molasses. J. Assoc. Off. Anal. Chem. 63:476-480. Date, C., H. Tanaka, K. Yoshikawa, T. Baba, M. Hayashi, and K. Owada. 1982. Determination of Sugars in Daily Foods by High Pressure Liquid Chromatography and Gas Liquid Chromatography. Osaka City Med. J. 28:67-83.

Dean, A.C. 1978. Method for the Estimation of Available Carbohydrate in Foods. Food Chem. 3:241-250.

Delente, J., and K. Ladenburg. 1972. Quantitative Determination of the Oligosaccharides in Defatted Soybean Meal by Gas-Liquid Chromatography. J. Food Sci. 37:372-374.

DeMan, J.M., D.W. Stanley, and V. Rasper. 1975. Composition of Ontario Soybeans and Soymilk. J. Can. Inst. Food Sci. Technol. 8:1-8.

De Vries, J.W., J.C. Heroff, and D.C. Egberg. 1979. High Pressure Liquid Chromatographic Determination of Carbohydrates in Food Products: Evaluation of Method. J. Assoc. Off. Anal. Chem. 62:1292-1296.

Dudek, J.A., and E.R. Elkins. 1985. Determination of the Nutrient Content of Selected Candies, Nuts, Condiments, Beverages and Vegetables. National Food Processors Association. USDA Contract, Final Progress Report.

Dudek, J.A., E.R. Elkins, and S.C. Berman. 1985. Investigation of the Carbohydrate Fraction of Foods...Raw, Processed and Prepared. National Food Processors Association. USDA Contract, Final Progress Report.

Dudek, J.A., S.C. Berman, D. Johnson, E.R. Elkins, and R.E. Hagen. 1985. Investigation of Total Dietary Fiber Methodology in Characterization of the Carbohydrate Fraction of Canned Pears. J. Food Sci. 50:851-852.

Dunmire, D.L., and S.E. Otto. 1979. High Pressure Liquid Chromatographic Determination of Sugars in Various Food Products. J. Assoc. Off. Anal. Chem. 62:176-185.

Eheart, J.F., and B.S. Mason. 1970. Nutrient Composition of Selected Wheats and Wheat Products. V. Carbohydrate. Cereal Chem. 47:715-719.

Ekpenyong, T.E. 1980. Effect of Cooking on the Chemical Composition of Winged Beans (<u>Psophocarpus</u> tetragonolobus). J. Food Sci. 45:1559-1560, 1565.

Eldridge, A.C., L.T. Black, and W.J. Wolf. 1979. Carbohydrate Composition of Soybean Flours, Protein Concentrates, and Isolates. J. Agric. Food Chem. 27:799-802.

El Faki, H.A., H.S.R. Desikachar, S.V. Paramahans, and M. Tharanathan. 1983. Carbohydrate Make-Up of Chick Pea, Cow Pea, and Horse Gram. Starch/Starke 35:163-166.

Englyst, H. 1981. Determination of Carbohydrate and its Composition in Plant Material. The Analysis of Dietary Fiber in Food. In Basic Clinical Nutrition, vol. 3, pp. 71-99. New York: Marcel Dekker.

Englyst, H.N., and J.H. Cummings. 1984. Simplified Method for the Measurement of Total Non-Starch Polysaccharides by Gas-Liquid Chromatography of Constituent Sugars as Alditol Acetates. Analyst 109:937-942. Estevez, A.M., and B.S. Luh. 1985. Chemical and Physical Characteristics of Ready-To-Eat Dry Beans. J. Food Sci. 50:777-781.

Feeley, R.M., P.E. Criner, and H.T. Slover. 1975. Major Fatty Acids and Proximate Composition of Dairy Products. J. Amer. Dietet. Assoc. 66:140-146.

Fouda, S.A., E.S.A. El-Baz, A.B. Bishr, and H.A. Gazel. 1979. Evaluation of "Abeese" Sweetpotato Cultivar. Agric. Res. Rev. 3:97-108.

Frostell, G. 1980. Natural and Added Sweet Carbohydrates in Foods and Diets. In Carbohydrate Sweetners in Foods and Nutrition, pp. I-13. London: Academic Press.

Fuchs, G., B.M. Gawell, and B.M. Lidhem. 1974. Quantitative Determination of Low-Molecular Carbohydrates in Foods by Gas-Liquid Chromatography. Swedish J. Agric. Res. 4:49-52.

Garcia, V.V., and J.K. Palmer. 1980. Carbohydrates of Winged Beans, <u>Psophocarpus tetragonolobus</u> (L.) DC. J. Food Technol. 15:477-484.

Goodenough, E.R., and D.H. Kleyn. 1975. Qualitative and Quantitative Changes in Carbohydrates During the Manufacture of Yogurt. J. Dairy Sci. 59:45-47.

Gorin, N., and H. Zonneveld. 1974. Improvement in the Reproducibility of the Enzymatic Analysis of Sucrose in Stored Golden Delicious Apples. J. Agric. Food Chem. 22:709.

Greenfield, H., J.H. Makinson, A. Weyrauch, and R.B.H. Wills. 1984. Composition of Australian Foods. 24. Italian Foods. Food Technol. Austral. 36:469-471.

Greenfield, H., H.S. Tham, and R.B.H. Wills. 1981. Composition of Australian Foods 10. 'Health Food' Confectionery. Food Technol. Austral. 33:476-479.

Hankin, L. 1986. Analysis of Wine and Beer Coolers. Connect. Agric. Exp. Sta. Bull. No. 840, 8 pp.

Hankin, L. 1986. Quality of Tomato Paste, Sauce, Puree, and Catsup. Connect. Agric. Exp. Sta. Bull. No. 828, 4 pp.

Hannah, L.C., and D.J. Cantliffe. 1976. Level of Various Carbohydrate Constituents and Percentage Germination of Four Everlasting Heritage Sweet Corns. Proc. Fla. State Hort. Soc. 89:80-82

Harvey, C.D., R. Jenness, and H.A. Morris. 1981. Gas Chromatographic Quantification of Sugars and Nonvolatile Water Soluble Organic Acids in Commercial Cheddar Cheese. J. Dairy Sci. 64:1648-1654.

Hayashi, T., and K. Kawashima. 1982. Accumulation of Sucrose in Gamma-Irradiated Sweetpotato Roots. J. Food Sci. 47:2011-2014.

Heatherbell, D.A. 1974. Rapid Concurrent Analysis of Fruit Sugars and Acids by Gas-Liquid Chromatography. J. Sci. Food Agric. 25:1095-1107.

Hegazi, S.M., and S.A. Salem. 1973. Studies on the Egyptian Broad Bean Seeds. I. Chemical Constituents of the Broad Bean Seeds. Acta Agron. Acad. Sci. Hungar. 22:190-193.

Hildebrand, D.F., C. Chaven, and T. Hymowitz. 1981. Stored and Soluble Sugar Content of Winged Bean Seed. Trop. Grain Leg. Bull. No. 23:23-25.

Horbowicz, M., J. Czapski, and J. Bakowski. 1980. Adaptation of the Method of Sugars Determination by Gas Chromatography (GC) and Characteristics of their Occurrence in Chosen Vegetables. Acta Aliment. Pol. 6(4):227-236.

Howard, F.D., J.H. MacGillivary, and M. Yamaguchi. 1962. Nutrient Composition of Fresh California-Grown Vegetables. Calif. Agric. Exp. Sta. Bull. No. 788, 40 pp.

Huffman, V.L., C.K. Lee, and E.E. Burns. 1975. Selected Functional Properties of Sunflower Meal (<u>Helianthus annus</u>). J. Food Sci. 40:70-74.

Hughes, D.L., and M. Yamaguchi. 1983. Identification and Distribution of Some Carbohydrates of the Muskmelon Plant. J. Hort. Sci. 18:739-740.

Hughes, S., and D.C. Johnson. 1982. High-Performance Liquid Chromatographic Separation with Triple-Pulse Amperometric Detection of Carbohydrates in Beverages. J. Agric. Food Chem. 30:712-714.

Hunt, D.C., P.A. Jackson, R.E. Mortlock, and R.S. Kirk. 1977. Quantitative Determination of Sugar in Foodstuffs by High Performance Liquid Chromatography. Analyst 102:917-920.

Hurst, W.J., and R.A. Martin. 1980. High Performance Liquid Chromatographic Determination of Carbohydrates in Chocolate: Collaborative Study. J. Assoc. Off. Anal. Chem. 63:595-599.

Hurst, W.J., and R.A. Martin. 1977. Rapid High Pressure Liquid Chromatographic Determination of Carbohydrates in Milk Chocolate Products. J. Assoc. Off. Anal. Chem. 60:1180-1184.

Hurst, W.J., R.A. Martin, and B.L. Zoumas. 1979. Applications of HPLC to Characterization of Individual Carbohydrates in Foods. J. Food Sci. 44:892-895, 904.

Hurst, W.J., R.A. Martin, and B.L. Zoumas. 1983. Carbohydrate Composition of Candy Bars. J. Am. Dietet. Assoc. 83:53–54.

Hussein, F. 1972. Kinds and Relative Amounts of Sugar in Some Egyptian Date Cultivars. Beitr. Trop. Subtrop. Landwirt. Tropenveterinarmed. 10:159-162.

Hussein, F. 1972. Physiological Studies on the Growth and Development of Yellow Passion Fruits Grown at Asswan/ Egypt. Beitr. Trop. Subtrop. Landwirt. Tropenveterinarmed. 10:153-158.

Hymowitz, T., F.I. Collins, J. Panczner, and W.M. Walker. 1972. Relationship Between the Content of Oil, Protein, and Sugar in Soybean Seed. Agron. J. 64:613-616.

Iverson, J.L., and P. Bueno. 1981. Evaluation of High Freessure Liquid Chromatography and Gas Liquid Chromatography for Quantitative Determination of Sugars in Foods. J. Assoc. Off. Anal. Chem. 64:139-143.

Jackson, P.A. 1980. Application of High-Performance Liquid Chromatography and Enzymatic Methods to Food Analysis with Special Reference to the Determination of Sugars. Anal. Proc. 17:537-540. Jacobs, M.B. 1984. The Chemistry and Technology of Food and Food Products, 2nd ed., vol. 2, New York: Interscience Publishers, 1,769 pp.

Jaya, T.V., and L.V. Venkataraman. 1981. Changes in the Carbohydrate Constituents of Chickpea and Greengram During Germination. Food Chem. 7:95-104.

Jood, S., U. Mehta, R. Singh, and C.M. Bhat. 1985. Effect of Processing on Flatus-Producing Factors in Legumes. J. Agric. Food Chem. 33:268-271.

Jurcevic, A., M. Dzamic, S. Kapor, and J. Jankovid. 1983. Sugars and Flavour Substances of Table Grape Cultivars During Cold Storage. Acta Hort. 138:147-154.

Kader, A.A., C.M. Heintz, J.M. Labavitch, and H.L. Rae. 1982. Studies Related to the Description and Evaluation of Pistachio Nut Quality. J. Amer. Soc. Hort. Sci. 107:812-816.

Kamath, M.V., and B. Belavady. 1980. Unavailable Carbohydrates of Commonly Consumed Indian Foods. J. Sci. Food and Agric. 31:194-202.

Kashani, G.G., and L.R.G. Valadon. 1984. Effects of Gamma Irradiation on the Lipids, Carbohydrates and Proteins of Iranian Pistachio Kernels. J. Food Technol. 19:631-638.

Kawamura, S., K. Nagao, and T. Kasai. 1977. Determination of Free Monosaccharides and Detection of Sugar Alcohols in Mature Soybean Seeds. J. Nutr. Sci. Vitaminol. 23:249-255.

Kennedy, I.R., O.D. Mwandemele, and K.S. McWhirter. 1985. Estimation of Sucrose, Raffinose and Stachyose in Soybean Seeds. Food Chem. 17:85-93.

Ketiku, A.O., and V.A. Oyenuga. 1972. Changes in the Carbohydrate Constituents of Cassava Root-Tuber (Manihot utilissima, Pohl) During Growth. J. Sci. Food and Agric. 23:1451-1456.

Ketiku, A.O. and V.A. Oyenuga. 1973. Changes in the Carbohydrate Constituents of Yam Tuber (<u>Dioscorea</u> <u>rotundata</u>, Poir) During Growth. J. Sci. Food and Agric. 24:367-373.

Kiba, N., T. Tomiyasu, and M. Furusawa. 1984. Flow Enthalpimetric Determination of Glucose, Based on Oxidation by 1,4-Benzoquinone and Use of an Immobilized Glucose Oxidase Column. Talanta 31:131-132.

Kline, D.A., E. Ferandez-Flores, and A.R. Johnson. 1970. Quantitative Determination of Sugars in Fruits by GLC Separations of TMS Derivatives. J. Assoc. Off. Anal. Chem. 53:1198-1202.

Kute, L.S, S.S. Kadam, and D.K. Salunkhe. 1984. Changes in Sugars, Starch and Trypsin Inhibitor Activity in Winged Bean (Psophocarpus Tetragonolobus L. DC) During Seed Development. J. Food Sci. 49:314-315.

Labaneiah, M.E.O., and B.S. Luh. 1981. Changes of Starch, Crude Fiber, and Oligosaccharides in Germinating Dry Beans. Cereal Chem. 58:135-138.

Lee, C.Y., R.S. Shallenberger, and M.T. Vittum. 1970. Free Sugars in Fruits and Vegetables. N.Y. Food Life Sci. Bull. No. 1, 12 pp. Lee, D.L., and C.B. Lillibridge. 1976. A Method for Qualitative Identification of Sugars and Semiquantitative Determination of Lactose Content Suitable for a Variety of Foods. Am. J. Clin. Nutr. 29:428-440.

Li, B.W., and P.J. Schuhmann. 1980. Gas-Liquid Chromatographic Analysis of Sugars in Ready-to-Eat Breakfast Cereals. J. Food Sci. 45:138-141.

Li, B.W., and P.J. Schuhmann. 1983. Sugar Analysis of Fruit Juices: Content and Method. J. Food Sci. 48:633-653.

Li, B.W, P.J. Schuhmann, and J.M. Holden. 1983. Determination of Sugars in Yogurt by Gas-Liquid Chromatography. J. Agric. Food Chem. 31:985-989.

Li, B.W., P.J. Schuhmann, and K.K. Stewart. 1982. Analysis of Sugars and Starch in Foods: Methods and their Limitations. In Metabolic Effects of Utilizable Dietary Carbohydrates, ed. S. Reiser. pp. 29-53. New York: Marcel Dekker.

Lineback, D.R., and C.H. Ke. 1975. Starches and Low-Molecular-Weight Carbohydrates from Chickpea and Horsebean Flours. Cereal Chem. 52:334-347.

Lohan, O.P., C.S. Rathee, and S.M. Chahal. 1983. Sugar Contents of Cowpea (Vigna sinensis) and their Effect on in Vitro Dry Matter Digestibility. Indian J. Anim. Sci. 53:415-417.

Lonergan, D.A., O. Fennema, and C.A. Amundson. 1981. Stability of Proteins in Ultrafiltered Low Lactose Milk Concentration During Frozen Storage. J. Food Sci. 46:1606-1611.

Longe, O.G. 1979. Carbohydrate Composition of Different Varieties of Cowpea (<u>Vigna unguiculata</u>). Food Chem. 6:153-161.

Lorenz, K., and M. Gross. 1984. Saccharides of Amaranth. Nutr. Rep. Internati. 29:721-726.

MacArthur, L.A., and B.L. D'Appolonia. 1979. Comparison of Oat and Wheat Carbohydrates. I. Sugars. Cereal Chem. 56:455-457.

Macrae, R., and A. Zand-Moghaddam. 1978. The Determination of the Component Oligosaccharides of Lupinseeds by High Pressure Liquid Chromatography. J. Sci. Food Agric. 29:1083-1086.

Martin-Villa, C., C. Vidal-Valverde, and E. Rojas-Hidalgo. 1982. A Research Note: High Performance Liquid Chromatographic Determination of Carbohydrates in Raw and Cooked Vegetables. J. Food. Sci. 47:2086-2088.

Martin-Villa, C., C. Vidal-Valverde, M.W. Dabrio, and E. Rojas-Hidalgo. 1981. Chromatographic Measurement of the Carbohydrate Content of Some Commonly Used Soft Drinks. Am. J. Clin. Nutr. 34:1432-1436.

Mason, B.S., and H.T. Slover. 1971. A Gas Chromatographic Method for the Determination of Sugars in Foods. J. Agr. Food Chem. 19:551-554.

Mattei, J. 1976. Blue Diamond: California Almond Growers Exchange, Sacramento, CA. Unpublished data.

McDonald's Corporation. 1984. Sugar profile; McDonald's products. Hazelton Laboratories.

Molnar-Perl, I., and M. Pinter-Szakacs. 1984. Gas-Liquid Chromatographic Determination of the Raffinose Family of Oligosaccharides and their Metabolites Present in Soy Beans. J. Chromatogr. 295:433-43.

Montgomery, M.W., F.G.R. Reyes, C. Cornwell, and D.V. Beavers. 1982. Sugars and Acid Analysis and Effect of Heating on Color Stability of Northwest Concord Grape Juice. J. Food Sci. 47:1883-1885.

Naivikul, O., and B.L. D'Appolonia. 1978. Comparison of Legume and Wheat Flour Carbohydrates. I. Sugar Analysis. Cereal Chem. 55:913-918.

Nestles' Company. 1982. Nestle Company, Inc., White Plains, New York. Unpublished data.

O'Connell, R.I., and P.G. Keeney. 1976. Compositional Data for Various Chocolate Products. Penn. State Univ., Univ. Park, PA. Unpublished data.

Ologhobo, A.D., and B.L. Fetuga. 1982. Carbohydrate Constituents of Some Lima Bean (<u>Phaseolus lutatus</u>) Varieties. Nutr. Rep. Internatl. 26:981-988.

Oupadissakoon, C., C.T. Young, F.G. Ciesbrecht, and A. Perry. 1980. Effect of Location and Time of Harvest on Free Amino Acid and Free Sugar Contents of Florigiant Peanuts. Peanut Sci. 7:61-67.

Oupadissakoon, C., C.T. Young, and R.W. Mozingo. 1980. Evaluation of Free Amino Acid and Free Sugar Contents in Five Lines of Virginia-Type Peanuts at Four Locations. Peanut Sci. 7:55-60.

Pal, D.K., M.D. Subramanyam, N.G. Divakor, C.P.A. Ayer, and Y. Selvaraj. 1980. Studies on the Physical-Chemical Composition of Fruits of Twelve Papaya Varieties. J. Food Sci. Technol. India 17:254-256.

Pascual, C.G., R. Singh, and B.O. Juliano. 1978. Free Sugars of Rice Grain. Carbohydrate Res. 62:381-385.

Pattee, H.E., C.T. Young, and F.G. Giesbrecht. 1981. Seed Size and Storage Effects on Carbohydrates of Peanuts. J. Agric. Food Chem. 29:800-802.

Prager, M.J., and M.A. Miskiewicz. 1979. Sugars and Sugar Products: Gas-Liquid Chromatographic Determination of Individual Sugars in Confectionery Products. J. Assoc. Off. Anal. Chem. 62:262-265.

Pritchard, P.J., E.A. Dryburgh, and B.J. Wilson. 1973. Carbohydrates of Spring and Winter Field Beans (<u>Vicia</u> <u>faba</u> L.). J. Sci. Food Agric. 24:663-668.

Quemener, B., J. Brillouet, and A. Ciceritol. 1983. Pinitol Digalactoside from Seeds of Chickpea, Lentil, and White Lupin. Phytochem. 22:1745-1751.

Rajakyla, E., and M. Paloposki. 1983. Determination of Sugars (and Betaine) in Molasses by High-Performance Liquid Chromatography. Comparison of the Results with those Obtained by the Classical Lane Eynon Method. J. Chromatogr. 282:595-602.

Rao, P.S. 1976. Nature of Carbohydrates in Pulses. J. Agric. Food Chem. 24:958-961.

Reichert, R.D., and S.L. MacKenzie. 1982. Composition of Peas (Pisum sativum) Varying Widely in Protein Content. J. Agric. Food Chem. 30:312-317. Reyes, F.G.R., G.W. Varseveld, and M.C. Kuhn. 1982. Sugar Composition and Flavor Quality of High Sugar (Shrunken) and Normal Sweet Corn. J. Food Sci. 47:753-755.

Reyes, F.G.R., R.E. Wrolstad, and C.J. Cornwell. 1982. Comparison of Enzymatic, Gas-Liquid Chromatographic, and High Performance Liquid Chromatographic Methods for Determining Sugars and Organic Acids in Strawberries at Three Stages of Maturity. J. Assoc. Off. Anal. Chem. 65:126-131.

Richmond, M.L., S.C.C. Brandao, J.I. Gray, P. Markakis, and C.M. Stine. 1981. Analysis of Simple Sugars and Sorbitol in Fruit by High Performance Liquid Chromatography. J. Agric. Food Chem. 29:4-7.

Rockland, L.B., and E.A. Metzler. 1967. Quick-Cooking Lima and Other Dry Beans. Food Technol. 21:26A-30A.

Rossi, M., I. Germondari, and P. Casini. 1984. Comparison of Chickpea Cultivars: Chemical Composition, Nutritional Evaluation, and Oligosaccharide Content. J. Agric. Food Chem. 32:811-814.

Ruegg, M., and B. Blanc. 1981. The Water Activity of Honey and Related Sugar Solutions. Lebensm. Wiss. Technol. 14:1-6.

Ryan, J.J. 1972. Fruits and Fruit Products: Chemical Composition of Canadian Apple Juice. J. Assoc. Off. Anal. Chem. 55:1104-1108.

Saini, H.S., and E.J. Knights. 1984. Chemical Constitution of Starch and Oligocaccharide Components of "Desi" and "Kabuli" Chickpea (Cicer arietinum) Seed Types. J. Agric. Food Chem. 32:940-944.

Shrivastava, S.K., and R.K. Bajpai. 1980. Some Chemical Characteristics of New Varieties of Pigeon Pea [Cajanus cajan (L) Millsp]. Indian J. Nutr. Dietet. 18:166-170.

Sajjan, S.U., and D.B. Wankhede. 1981. Carbohydrate Composition of Winged Bean (<u>Psophocarpus tetragonolobus</u>). J. Food Sci. 46:601-605.

Salem, S.A., and B.A. Abdul-Nour. 1979. Sugar and Amino Acids in Dried Iraqi Figs. J. Sci. Food Agric. 30:620-622.

Salimath, P.V., and R.N. Tharanathan. 1981. Carbohydrates of Field Bean (<u>Dolichos lablab</u>). Cereal Chem. 59:430-435.

Salomonsson, A.C., O. Theander, and E. Westerlund. 1984. Chemical Characterization of Some Swedish Cereal Whole Meal and Bran Fractions. Swedish J. Agric. Res. 14:111-117.

Saunders, R.M. 1970. The Sugars of Safflower. J. Amer. Oil Chem. Soc. 47:254-255.

Savola, P., H. Salovaara, and J. Enqvist. 1983. Concentrations of Carbohydrate Fractions in the Sour Dough Rye Bread Process. Devel. Food Sci. 5A:465-470.

Schmeider, R.L., and P.G. Keeney. 1980. Characterization and Quantification of Starch in Cocoa Beans and Chocolate Products. J. Food Sci. 45:555-557, 563.

Shannon, I.L. 1974. Brand Name Guide to Sugar. V.A. Hospital, Houston, Texas.

Shannon, I.L. 1977. Brand Name Guide to Sugars. Sucrose Content of Over 1,000 Common Foods and Beverages. Chicago: Nelson-Hall.

Shannon, I.L., E.J. Edmonds, and K.O. Madsen. 1979. Honey: Sugar Content and Cariogenicity. J. Dent. Children 46:29-33.

Shaw, P.E., and C.W. Wilson. 1983. Separation of Fructose, Glucose and Sucrose in Fruit by HPLC Using UV Detection at 190 nm. J. Sci. Food Agric. 34:109-112.

Shaw, P.E., C.W. Wilson, and R.J. Knight. 1978. Analysis of Sugars in Avocado Varieties by HPLC. Subtrop. Food Technol. Conf. 81:4-6.

Shaw, P.E., C.W. Wilson, and R.J. Knight. 1980. High-Performance Liquid Chromatographic Analysis of D-manno Heptulose, Perseitol, Glucose, and Fructose in Avocado Cultivars. J. Agric. Food Chem. 28:379-382.

Shen, M.C., and C. Sterling. 1981. Changes in Starch and Other Carbohydrates in Baking <u>Ipomaea batatas</u>. Starch/Starke 33:261-268.

Silva, H.C., and G.L. Braga. 1982. Effect of Soaking and Cooking on the Oligosaccharide Content of Dry Beans (Phaseolus vulgaris L.). J. Food Sci. 47:924-925.

Silva, H.C., and B.S. Luh. 1979. Changes in Oligosaccharides and Starch Granules in Germinating Beans. Can. Inst. Food Sci. Technol. J. 12:103-107.

Singh, U., K.C. Jain, R. Jambunathan, and D.G. Faris. 1984. Nutritional Quality of Vegetable Pigeonpeas [Cajunus cajan (L.) Millsp.]: Dry Matter Accumulation, Carbohydrates and Proteins. J. Food Sci. 49:799-802.

Sistrunk, W.A. 1971. Carbohydrate Transformations, Color, and Firmness of Canned Sweet Potatoes as Influenced by Variety, Storage, pH and Treatment. J. Food Sci. 36:39-42.

Skrede, G. 1983. Changes in Sucrose, Fructose and Glucose Content of Frozen Strawberries with Thawing. J. Food Sci. 48:1094-1100.

Smith, J.S., M.C. Villalobos, and C.M. Kottemann. 1986. Quantitative Determination of Sugars in Various Food Products. J. Food Sci. 51:1373-1375.

Sosulski, F.W., L. Elkowicz, and R.D. Reichert. 1982. Oligosaccharides in Eleven Legumes and Their Air-Classified Protein and Starch Fractions. J. Food Sci. 47:498-502.

Southgate, D.A.T., A.A. Paul, A.C. Dean, and A.A. Christie. 1978. Free Sugars in Foods. J. Human Nutr. 32:335-347.

Stepak, Y., and A. Lifshitz. 1971. Identification and Determination of Sugars in Some Fruit Juices. J. Assoc. Off. Anal. Chem. 54:1215-1217.

Subramanian, V., R. Jambunathan, and S. Suryaprakash. 1981. A Research Note: Sugars of Pearl Millet [Pennisetum americanum (L.) Leeke] Grains. J. Food Sci. 46:1614-1615.

Suzuki, M., and J.A. Cutcliffe. 1981. Sugars and Eating Quality of Rutabagas. Can. J. Plant Sci. 61:167-169. Tanaka, M., D. Thananunkul, T.C. Lee, and C.O. Chichester. 1975. A Simplified Method for the Quantitative Determination of Sucrose, Raffinose, and Stachyose in Legume Seeds. J. Food Sci. 40:1087-1088.

Theander, O. 1980. Fractionation and Chemical Characterization of Dietary Fiber Components. Nutr. Food Sci. 2:727-739.

Thorn, K.A., A.M. Tinsley, C.W. Weber, and J.W. Berry. 1983. Antinutritional Factors in Legumes of the Sonoran Desert. Ecol. Food Nutr. 13:251-256.

Tyler, R.T., C.G. Youngs, and F.W. Sosulski. 1981. Air Classification of Legumes. I. Separation Efficiency, Yield, and Composition of the Starch and Protein Fractions. Cereal Chem. 58:144-148.

Vidal-Valverde, C., C. Martin, and J. Herranz. 1984. Determination of Soluble Carbohydrates in Yogurts by High Performance Liquid Chromatography. J. Dairy Sci. 67:759-763.

Walker, W.M., and T. Hymowitz. 1972. Simple Correlations Between Certain Mineral and Organic Components of Common Beans, Peanuts, and Cowpeas. Comm. Soil Sci. Plant Anal. 3:505-511.

Wankhede, D.B., and R.N. Tharanathan. 1976. Sesame (Sesamun indicum) Carbohydrates. J. Agric. Food Chem. 24:655-659.

Warthesen, J.J., and P.L. Kramer. 1979. Analysis of Sugars in Milk and Ice Cream by High Pressure Liquid Chromatography. J. Food Sci. 44:626-627.

Washuttl, J., P. Riederer, and E. Bancher. 1973. A Qualitative and Quantitative Study of Sugar-Alcohols in Several Foods. J. Food Sci. 38:1262-1263.

Watson, J.D., D.Y. Dako, and M. Amoakwa-Adu. 1975. Available Carbohydrates in Ghanaian Foodstuffs. Part 2: Sugars and Starch in Staples and Other Foodstuffs. Plant Foods for Man 1:169-176.

Weaver, M.L., H. Timm, M. Nonaka, R.N. Sayre, R.M. Reeve, R.M. McCready, and L.C. Whitehand. 1978. Potato Composition: II. Tissue Selection and its Effects on Total Sugar, Total Reducing Sugar, Glucose, Fructose, and Sucrose Contents. Amer. Potato J. 55:83-93.

Wildman, T., and B.S. Luh. 1981. Effect of Sweetener Types on Quality and Composition of Canned Kiwi Nectars. J. Food Sci. 46:387-390.

Wills, R.B.H., and H. Greenfield. 1982. Composition of Australian Foods. 17. Snack Foods. Food Technol. Austral. 34:452-455.

Wills, R.B.H., K.B. Palipane, and H. Greenfield. 1982. Composition of Australian Foods. 13. Rice. Food Technol. Austral. 34:66-68.

Wills, R.B.H., F.M. Scriven, and H. Greenfield. 1983. Nutrient Composition of Stone Fruit Cultivars: Apricot, Nectarine, Peach, and Plum. J. Sci. Food Agric. 34:1383-1389.

Wills, R.B.H., A.W.K. Wong, F.M. Scriven, and H. Greenfield. 1984. Nutrient Composition of Chinese Vegetables. Amer. Chem. Soc. 32:413-416.

Wilson, A.M., T.M. Work, A.A. Bushway, and R.J. Bushway. 1981. HPLC Determination of Fructose, Glucose, and Sucrose in Potatoes. J. Food Sci. 46:300-301.

Wilson, C.W., P.E. Shaw, and C.W. Campbell. 1982. Determination of Organic Acids and Sugars in Guava Cultivars by High-Performance Liquid Chromatography. J. Sci. Food Agric. 33:777-780.

Wong Sak Hoi, Y.L. 1982. Gas-Liquid Chromatographic Determination of Fructose, Glucose and Sucrose in Cane Sugar Products. Internatl. Sugar J. 84:68-72.

Wrolstad, R.E., J.D. Culbertson, D.A. Nagaki, and C.F. Madero. 1980. Sugars and Nonvolatile Acids of Blackberries. J. Agric. Food Chem. 28:553-558.

Zygmunt, L.C. 1982. High Pressure Liquid Chromatographic Determination of Mono- and Disaccharides in Presweetened Cereals: Collaborative Study. J. Assoc. Off. Anal. Chem. 65:256-264.

Pages

Acidophilus milk5, 17
Adzuki beans, mature seeds
Alfalfa seeds, sprouted
Almonds
Amaranth, whole grain7, 19, 29
American pasteurized process cheese food
Animal crackers
Apple juice
Apples5, 17, 30
Applesauce
Apricots5, 18, 30
Artichokes12, 25
Asparagus12, 25
Avocados
Baked beans, canned8, 21
Balsam-pear12, 25
Bananas
Beans, common
Beans, snap
P
Design to the second seco
Beets
Black-eyed peas, (cowpeas), immature seeds13, 26
Black-eyed peas, mature seeds
Blackberries
Blueberries
Bologna, beef
Borage
Bran :
Oat
Rice
Wheat
Bran flake cereal7, 19
Bran flake cereal with raisins7, 20
Brandy, cherry
Brazilnuts9, 22
Breads
Breakfast bar, meal replacement
Breakfast cereals
Broadbeans, mature seeds
Brown rice
Brown sugar
Brussels sprouts12, 25, 29
Buckwheat groats
Buttermilk
Q-11 1 1
Cabbage, chinese
Cabbage, common
Cabbage, common
Cabbage, common12, 25, 29 Cabbage, red12, 26 Cabbage, savoy12, 26
Cabbage, common
Cabbage, common. 12, 25, 29 Cabbage, red 12, 26 Cabbage, savoy 12, 26 Cakes 3, 15 Candy. 10-11, 23-24 Cantaloup 5, 18 Caramel and rice cereal, chocolate-covered candy. 10, 23 Caramel log, chocolate-covered candy. 10, 23 Caramel popcorn. 11, 24 Carbonated beverages 3, 15 Cardoon. 12, 26 Carob powder, sweetened 14, 28 Carrots 10, 23 Cashew and honey bar. 10, 23 Cassava root 12, 26 Cassava root 12, 26 Cassava root 12, 26 Catsup 14, 28
Cabbage, common
Cabbage, common. 12, 25, 29 Cabbage, red 12, 26 Cabbage, savoy 12, 26 Cakes 3, 15 Candy 10-11, 23-24 Cantaloup 5, 18 Caramel and rice cereal, chocolate-covered candy 10, 23 Caramel log, chocolate-covered candy 10, 23 Caramel popcorn 11, 24 Carbonated beverages 3, 15 Cardoon 12, 26 Carbo powder, sweetened 14, 28 Carshew and honey bar. 10, 23 Cassava root 12, 26 Catsup 10, 23 Castew nuts. 9, 22 Cassava root 12, 26 Catsup 14, 28 Cauliflower 12, 26 Catsup 14, 28 Cauliflower 12, 26 Catsup 14, 28 Cauliflower 12, 26 Catsup 12, 26 Califfower 12, 26 Califower 12, 26 Califower 12, 26
Cabbage, common. 12, 25, 29 Cabbage, red 12, 26 Cabbage, savoy 12, 26 Cakes 3, 15 Candy 10-11, 23-24 Cantaloup 5, 18 Caramel and rice cereal, chocolate-covered candy 10, 23 Caramel log, chocolate-covered candy 10, 23 Caramel popcorn 11, 24 Carbonated beverages 3, 15 Cardoon 12, 26 Carbo powder, sweetened 14, 28 Carshew and honey bar. 9, 22 Cassava root 9, 22 Cassava root 12, 26 Catisup 14, 28 Cauliflower 12, 26 Califlower 12,
Cabbage, common. 12, 25, 29 Cabbage, red 12, 26 Cabbage, savoy 12, 26 Cakes 3, 15 Candy. 10-11, 23-24 Cantaloup 5, 18 Caramel and rice cereal, chocolate-covered candy 10, 23 Caramel log, chocolate-covered candy 10, 23 Caramel popcorn. 11, 24 Carbonated beverages 3, 15 Cardoon 12, 26 Carob powder, sweetened 14, 28 Carbon and honey bar. 10, 23 Cassava root 12, 26 Catsup 12, 26 Califlower 12, 26 Califlower 12, 26 Califlower 12, 26, 29 Celeriac 12, 26, 30 Celeriac 12, 26, 30 Celuce 13, 26
Cabbage, common. 12, 25, 29 Cabbage, red 12, 26 Cabbage, savoy 12, 26 Cakes 3, 15 Candy 10-11, 23-24 Cantaloup 5, 18 Caramel and rice cereal, chocolate-covered candy 10, 23 Caramel log, chocolate-covered candy 10, 23 Caramel popcorn 11, 24 Carbonated beverages 3, 15 Cardoon 12, 26 Carbo powder, sweetened 14, 28 Carshew and honey bar. 9, 22 Cassava root 9, 22 Cassava root 12, 26 Catisup 14, 28 Cauliflower 12, 26 Califlower 12,
Cabbage, common. 12, 25, 29 Cabbage, red 12, 26 Cabbage, savoy 12, 26 Cakes 3, 15 Candy. 10-11, 23-24 Cantaloup 5, 18 Caramel and rice cereal, chocolate-covered candy 10, 23 Caramel log, chocolate-covered candy 10, 23 Caramel popcorn. 11, 24 Carbonated beverages 3, 15 Cardoon 12, 26 Carob powder, sweetened 14, 28 Carbon and honey bar. 10, 23 Cassava root 12, 26 Catsup 12, 26 Califlower 12, 26 Califlower 12, 26 Califlower 12, 26, 29 Celeriac 12, 26, 30 Celeriac 12, 26, 30 Celuce 13, 26

Pa	ges
Chard, swiss	26
Cheddar cheese	16
Cheese	-17
Cheese food, pasteurized process, American4, Cheeseburger sandwich5,	17
Cherries	
Chestnuts, European (Italian)9,	22
Chewing gum	24
Chickpeas, mature seeds8, 21,	29
Chicory greens	
Chicory roots	26
Chocolate:	26
Dark, sweet10,	23
Milk	23
Semisweet	23
Chocolate, baking14,	
Chocolate chip cookies	15
Chocolate-covered candies	-24
Chocolate syrup	25
Chrysanthemum, garland13.	26
Cocoa, powder	28
Coconut	22
Coconut bar, candy11,	24
Coconut center and almonds, chocolate-covered candy10.	
Coffee, flavored	23 15
Cola	15
Common beans	29
Confectioners' coatings:	
Carob	24
White chocolate	24
Cookies	15
Corn flakes	29 20
Corn flakes, sugar-coated	20
Corn syrup12.	25
Cornstarch	20
Cottage cheese	16
Cottonseed flour, defatted10, 22, Cowpeas, immature seeds13,	29 26
Crackers, rve	15
Cranberry juice cocktail, bottled5, Cream cheese4,	18
Cream cheese4,	17
Cream, whipping4,	17
Cucumber	30
Currants5, Dandelion greens13,	18 26
Dates	18
Doughnuts, cake-type	15
Dressings, salad:	
Caesar	28
Cole slaw14, French, low-calorie14,	28
Russian	28 28
Russian, low-calorie14,	28
Sandwich spread14,	28
Eggplant	26
Eggs, scrambled5,	17
Endive, escarole	26
English muffin with egg, cheese, and canadian bacon5,	17
English muffin, toasted, buttered	17 15
Escarole (endive)	26
Farina, quick and instant7.	19
Farina, regular	19
Figs	18
Filberts (hazelnuts)10, Fish sandwich	23 17
Flour, oat	20
Flour, rice	20
Flour, wheat	29

Pages

Frankfurter, beef and pork9, 22	
French fried potatoes13, 27	
Frosting (icing)	
Fruit and honey bar, candy11, 24 Fruit cocktail, canned	
Fruit drinks	
Fudge, peanuts, and caramel, chocolate-covered	-
candy	
Garbanzos (chickpeas)	-
Garlic	
Gelatin, flavored mix11, 24 Granola bar, plain, crunchy	
Granola bar, plain, crunchy	
Grape juice	-
Grapes	0
Grapefruit	-
Grapefruit juice	
Guava	
Hamburger sandwich	
Hard candy11, 2 ⁴	
Hashed brown potatoes13, 27	7
Hazelnuts (filberts)10, 23 Honey11, 24	
Honey	
Horseradish13, 20	-
lee cream mix dry 4 1	
Ice milk (soft serve), with cone	
Ice milk (soft serve), with cone	4
Jackfruit	
Jelly beans11, 24	
Jelly mints	
Jerusalem artichokes13, 20 Kale	-
Kale	
Kohlrabi	-
Leeks	
Lemon juice	-
Lemons	-
Lentils, mature seeds	-
Lettuce, cos (romaine)	
Licorice	-
Lima beans, mature seeds	9
Limes	8
Liqueur	
Liver cheese, pork9, 2	2
Luncheon meat, loaf: Ham and cheese9, 2	,
Spiced beef and/or pork	
Lupins, mature seeds	
Macadamia nuts10, 2	
Macaroni (pasta)7-8, 2	
Malt nougat and caramel, chocolate-covered10, 2	-
······································	3
Mangos	
	7
Milk chocolate candy10, 2	3
Millet, proso	9
Mint-flavored fondant, discs, chocolate-covered	
	4
Mint-flavored fondant, patty, chocolate-covered candy11, 2	24
	23
	4
Mozzarella cheese4, 1	7
	29
	26
	27 27
	:/ 30
	17
•	

Pages	
New England sausage, beef and pork	
Noodles, chow mein	
Nougat, chocolate-covered	
Nougat and caramel, chocolate-covered candy11, 24	
Nougat, caramel, and almonds, chocolate-covered	
candy	
Nuts	
Oat bran	
Oat cereal	
Oat flour7, 20, 29	
Oatmeal or rolled oats:	
Regular or quick	
Maple flavor 19 Okra 13, 27	
Okra	
Onions, spring	
Orange juice	
Oranges	
Pancake syrup12, 25	
Papaya	
Parsley	
Parsnips	
Pasta	
Pastrami	
Peaches	
Peanut butter9, 21	
Peanut butter and almonds, crunchy, chocolate-	
covered candy	
Peanut butter, crunchy, chocofate-covered candy10, 23 Peanut butter nougat, caramel, and peanuts,	
chocolate-covered11, 24	
Peanut flour, defatted	
Peanuts9, 21, 29	1
Peanuts, chocolate-covered11, 24	
Pear juice	
Pears	
Peas, edible-podded13, 27 Peas, split, mature seeds	
Peas, sweet	
Pecans	;
Peppers, chili13, 27	
Peppers, sweet, green13, 27, 29	1
Pies, fruit: Fried	
Fried	
Pigeonpeas, mature seeds	
Pineapple	
Pineapple juice	
Pistachios10, 23, 29	
Plums	
Pomegranates	
Popcorn	
Pork sausage	
Potatoes	
Praline (chewy)11, 24	ŀ
Prune juice	
Prunes)
Puddings: Canned11, 24-25	
Canned	ŝ
Pumpkin	
Pumpkin seeds, kernels10, 23	
Radishes, chinese14, 27	
Radishes, common14, 27, 30	
Radishes, icicle14, 27	
Raisins	
Raspberries	
Rice	
Rice cereal, crispy	
· · ·	

With all a

Pages

Pages

Dias several section		20
Rice cereal, puffed	7, 2	20
Rice, wild	8, 2	21
Ricotta cheese	4, `	17
Rolls, hamburger	3,	15
Rum	4,	16
Rutabaga	.14, 2	27
Rye flour	8	21
Safflower seeds, kernels	.10, 2	23
Salami, beef	9, 2	22
Salsify	.14, 2	27
Salted nut candy bar (peanuts, caramel, and		
vanilla fudge)	.11, 2	24
Sandwich spread, salad dressing	.14, 2	28
Sausage	9, 2	22
Seeds	-23, 2	29
Semisweet chocolate	.10, 2	23
Sesame flour, defatted10,	23, 2	29
Sesame seeds	.10, 2	23
Shakes, fast food	5, 1	17
Shallots		27
Sherry, medium, dry	4, 1	16
Skim milk	5, 1	17
Soda (carbonated beverages)	3, 1	15
Soft serve (ice milk)	5, 1	17
Sorghum syrup	.12, 2	25
Soybeans, mature seeds9,	22, 2	29
Soyflour, dehulled, defatted9,	22, 2	29
Spaghetti (pasta)		20
Spinach	.14, 2	27
Squash	27, 2	29
Steak sauce	.14, 2	28
Strawberries	6, 1	9
Sugar	.11, 2	25
Sugar syrup, caramelized	.12, 2	25
Sugar-coated chocolate discs:		
Plain	.11, 2	24
With peanuts	.11, 2	24
Sundae, fast food	.11, 2	25
Sunflower and honey bar, candy	.11, 2	24
Sunflower candy bar	.11, 2	24
Sunflower flour, partially defatted10,	23, 2	29
Sunflower seeds, kernels	.10, 2	23
Sweetpotatoes	.14. 2	27
	, -	
Swiss chard	.13, 2	26
Swiss cheese	.13, 2	26
Swiss cheese	.13, 2 4, 1	7
Swiss cheese Syrups: Chocolate	.13, 2 4, 1	25
Swiss cheese Syrups: Chocolate	.13, 2 4, 1 .12, 2 .12, 2	25 25
Swiss cheese Syrups: Chocolate Corn Maple	.13, 2 4, 1 .12, 2 .12, 2 .12, 2	25 25 25
Swiss cheese Syrups: Chocolate Corn Maple Pancake	.13, 2 4, 1 .12, 2 .12, 2 .12, 2 .12, 2	25 25 25 25
Swiss cheese Syrups: Chocolate Maple Pancake Sorghum	.13, 2 4, 1 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2	25 25 25 25 25 25
Swiss cheese Syrups: Chocolate Maple Pancake Sorghum Sugar, caramelized	.13, 2 4, 1 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2	25 25 25 25 25 25 25
Swiss cheese Syrups: Chocolate Maple Pancake Sorghum Sugar, caramelized Taffy, fruit-flavored	.13, 2 4, 1 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .11, 2	25 25 25 25 25 25 25 25 25 25 25
Swiss cheese Syrups: Chocolate Corn Maple Pancake Sorghum Sugar, caramelized Taffy, fruit-flavored Tangelos	.13, 2 4, 1 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .11, 2	25 25 25 25 25 25 25 25 25 25 25 25 25 2
Swiss cheese Syrups: Chocolate Corn Maple Pancake Sorghum Sugar, caramelized Taffy, fruit-flavored Tangelos Taro	.13, 2 4, 1 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .11, 2	25 25 25 25 25 25 25 25 25 25 25
Swiss cheese	.13, 2 4, 1 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .11, 2 6, 1 .14, 2	25 25 25 25 25 25 25 25 25 25 25 25 25 2
Swiss cheese	.13, 2 4, 1 .12, 2 .12, 2 .14, 2	25 25 25 25 25 25 25 25 25 25 25 25 25 2
Swiss cheese	.13, 2 4, 1 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .11, 2 6, 1 .14, 2	25 25 25 25 25 25 25 25 25 25 25 25 25 2
Swiss cheese	.13, 2 4, 1 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .14, 2 4, 1	17 25 25 25 25 25 25 25 25 25 25 25 25 25
Swiss cheese	.13, 2 4, 1 .12, 2 .12, 2 .14, 2 4, 1 4, 1 4, 1	17 55555525 197 6665
Swiss cheese	.13, 2 4, 1 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .14, 2 4, 1 4, 1 4, 1 4, 1 4, 1 3, 1	17 25555519 25555497 66654
Swiss cheese	.13, 2 4, 1 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .14, 2 4, 1 4, 1 4, 1 4, 1 3, 1 1, 2 9, 2	17 555555497 666542
Swiss cheese	.13, 2 4, 1 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .14, 2 4, 1 4, 1 4, 1 4, 1 3, 1 1, 2 9, 2 9, 2 9, 2	7 555555497 6665428
Swiss cheese	.13, 2 4, 1 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .14, 2 4, 1 4, 2 4, 1 4, 2 4, 1 4, 1 	7 55555497 66654287
Swiss cheese	.13, 2 4, 1 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .14, 2 4, 1 4, 2 4, 1 4, 2 4, 1 4, 1 	7 555555497 6665428
Swiss cheese	.13, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .11, 2 4, 1 4, 2 4, 2 4, 2 4, 2 4, 2 4, 2 4, 2 4, 2 4, 2 4, 2	7 55555497 666542877
Swiss cheese	.13, 2 4, 1 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .12, 2 .11, 2 6, 1 4, 2 4, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,	7 555555497 666542877 4
Swiss cheese	.13, 2 4, 1 .12, 2 .12, 2 .11, 2 .12, 2 .11, 2 .12, 2 .11, 2 .12, 2 .11, 2 .12, 2 .12, 2 .11, 2 .12, 2 .1	7 555555497 666542877 48
Swiss cheese	.13, 2 4, 1 .12, 2 .12, 2 .14, 2 .14, 2 .14, 2 .14, 2 .14, 2 .14, 2	7 555555497 666542877 488
Swiss cheese	.13, 2 4, 1 .12, 2 .12, 2 .14, 2 4, 1 4, 2 4, 2 4	7 555555497 666542877 4885
Swiss cheese	.13, 2 4, 1 .12, 2 .12, 2 .14, 2 4, 1 4, 1 4, 1 4, 1 4, 1 4, 2 4, 2 	7 555555497 666542877 488

Turnip greens 14, Turnips 14, Vegetable juice 14, Vermouth 4, Vodka 4, Wafer, chocolate 3, Wafer cookie bar, chocolate-covered candy 11, Walnuts 10, Waterchestnuts 14, Watermelon 6, Waxgourd 14,	28 28 28 16 15 24 23 28 28 28 19 28
Bran, crude	29 19 21 21 20 20 20
Plain 7, Sugar coated 7, Sugar and honey coated 7, Wheat cereal, shredded 7, Wheat cereal, shredded, frosted 7, Wheat cereal, shredded, frosted 7, Wheat flakes 7, Whey, acid or sweet, fluid 5, Whiskey sour mix, without alcohol 4, Whole-wheat cereal 7, Wild rice 8, Wine cooler 4, Wine without alcohol 4, Wine without alcohol 4, Yams 9, 22, Yams 14, Zucchini (squash) 14, 27,	20 20 20 20 20 20 17 16 19 21 16 16 16 29 28 17 29