

occurs naturally in sunflower oil. In fact, sunflower oil is the highest of the leading oils as well as bolstering immune function. decreasing the risk of heart disease and cancer as an antioxidant and is associated with in alpha-tocopherol content (45mg/100g). Vitamin E is a required nutrient that functions Vitamin E in the form of alpha-tocopherol



How Much Fot?

get the number of grams of tat. by 30%, and dividing this number by 9 target number of grams of fat by multiplying the number of calories you consume a day You can translate 30% of calories from fat to a (the number of calories per gram of fat) to

(CALORIES X .30)/ 9 = GRAMS OF FAT

CALORIES 1200 1500 2100 2400 2700 calorie levels is listed below. The result of this calculation for six daily

Rounded to the nearest whole gram. GRAMS OF FAT 40g 70g 90g SATURATED FAT GRAMS OF 139 209 239 279 309



energy balance is key in maintaining good health. Each mile we walk or run uses calories we eat with the calories we use. This recommended to improve fitness and health. exercise three or four times a week is approximately 100 calories. Thirty minutes of Physical activity allows us to balance the



Actual expenditures vary with body weight, fitness level, etc. Calorie expenditures are estimated for 140 lb. individual.



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Ent Less Sutwuted Fut

Eating less fat, especially saturated fat, is the most important change you can make to decrease your risk of heart disease (*according to the U.S. Surgeon General's Report*). Sunflower oil is naturally low in saturated fat.

Know Your Cholesterol Level

It is important to know your cholesterol level since too much cholesterol circulating in the blood increases the risk for heart disease. Experts agree that a cholesterol level less than 200 mg/dl is recommended for adults.

DESIRABLE LESS THAN 200 MG/DL

BORDERLINE-HIGH BETWEEN 200 TO 239 MG/DL

ABOVE 240 MG/DI

If your cholesterol level is above 200 mg/dl, you should see your physician and change your diet as a first step to decreasing your blood cholesterol level. The American Heart Association recommends a diet with 30% or less calories from fat (current average is 37%) with less than 10% from saturated fat. Replace saturated fat with monounsaturated fat or polyunsaturated fats, such as those found in sunflower oil.

SATURATED... MONOUNSATURATED...

What Does It Mean?

Understanding the terminology will help you learn differences in types of fat. Saturated, monounsaturated and polyunsaturated are chemical terms. They refer to the structure of the molecules of carbon, hydrogen and oxygen.

SATURATED: Saturated refers to a molecule that is filled with hydrogen atoms. It is saturated like a sponge and will not accept any more hydrogen. This is a diagram of saturated fat – note that there are no empty spaces. Saturated fats are solid at room temperature.

MONOUNSATURATED: When openings are created by a double bond between two carbons, the fat is not saturated. If there is only one double bond (indicated by "="), the fat is monounsaturated as pictured below. Monounsaturated fat is liquid at room temperature, but may solidify slightly in the refrigerator.

POLYUNSATURATED: A fat with two or more double bonds is called polyunsaturated. This means there are four or more vacant spots that are not filled with hydrogen atoms and it looks like the structure below. Polyunsaturated fats are liquid at room temperature and in the refrigerator.

Fats in foods are a mixture of all three kinds – saturated, monounsaturated and polyunsaturated. The fat profiles of different fats and oils are shown in the chart (right). Refer to the nutrition label for the amount of total fat and saturated fat in foods.

Three Kinds of Sunflower Oil

Sunflower oil is grown with three different fat profiles as shown in the chart. Linoleic sunflower oil is high in polyunsaturated fat; high-oleic sunflower oil is high in monounsaturated fat; and a new variety called **NuSun** has about 65% monounsaturated fat and 26% polyunsaturated fat. All sunflower oil is low in saturated fat, provides essential fatty acids and is a great source of vitamin E.

NuSun oil has the added benefit of not requiring hydrogenation for use as a frying oil. This eliminates the production of trans-fatty acids. Trans-fatty acids may increase blood cholesterol levels while monounsaturated and polyunsaturated fats decrease blood cholesterol levels.

Subflower Oil is High in Essential Fatta Acids

The polyunsaturated fat in sunflower oil is also an essential fatty acid (linoleic acid). This means we need to get linoleic acid from food, like required vitamins and minerals, because our bodies need it but can't make it. About 5-10% of calorie intake is considered adequate intakes of essential fatty acids.

Subflower Od... A Healthier Way to Eat!

Eastly Acid Profiles of Oil

	SAFFLOWER OIL	COTTONSEED OIL	LINOLEIC SUNFLOWER	SOYBEAN OIL	CORN OIL	BUTTER FAT	PALM OIL	BEEF FAT	LARD	PEANUT OIL	CANOLA OIL	NuSun _m Sunflower Oil	OLIVE OIL	HIGH OLEIC SUNFLOWER	DIETARY FAT
MONOUNS	13%	18%	20%	24%	25%	34%	39%	44%	47%	49%	62%	65%	72%	82%	
MONOUNSATURATED						2%									FATI
LYUNSATUF	77%	55%	%69	61%	62%		10%	4%	12%						FATTY ACID CONTENT NORMALIZED TO 100%
RATED					0.					33%					UTENT NORI
SATURATED											32%	26%	11%	%6	MALIZED TO
ED	10%	27%	11%	15%	13%	64%	51%	52%	41%	18%	6%	%6	17%	%6	D 100%