

Figure 1

Table 1

	Symbol	Cotton- seed	Coconut	Corn	Palm Kernel	Peanut	Palm	Linseed	Rice brown seed	Olive	Soy- bean	Sun- flower	Linola	Lard	Butterfat	Tallow Grease	Tall	Castor	Jatropha
Saturated																			
Caproic	6:0		0.4		0.2										2				
Caprylic	8:0		7.3		3.3										2				
Capric	10:0		6.6		3.5										3				
Lauric	12:0		47.8		47.8		0.2					0.5		0.5	3.5				
Myristic	14:0	0.9	18.1		16.3	0.1	1.1	0.4		0.02	0.1	0.2		1.5	11	3			
Palmitic	16:0	24.7	8.9	10.9	8.5	11.6	44.1	6.0	19.8	10.5	11.0	6.8	5.6	26	26	26	2	1.0	14.6
Margaric	17:0									0.05				0.5		0.5			
Stearic	18:0	2.3	2.7	1.8	2.4	3.1	4.4	2.5	1.9	2.6	4.0	4.7	4.0	13.5	11	22.5	1	1.0	7.4
Arachidic	20:0	0.1	0.1			1.5	0.2	0.5	0.9	0.4	0.3	0.4			2		0.5		
Behenic	22:0					3.0			0.3	0.2	0.1								
Lignoceric	24:0					1.0			0.2	0.1									
TOTAL		28.0	91.9	22.7	82.0	20.3	50	9.0	23.3	13.87	15.5	12.6	9.6	42.0	60.5	52.0	3.5	2.0	22.0
Unsaturated																			
Myristoleic	14:1 w-5															0.5			
Palmitoleic	16:1 w-7	0.7				0.5		0.1	0.2	0.6	0.1	0.1		4	2	2.5			0.8
Heptadecenoic	17:1 w-15									0.09				0.5	3	0.5			
Oleic	18:1 w-9	17.6	6.4	24.2	15.4	38.0	37.5	19.0	42.3	76.9	23.4	18.6	15.9	43	26	43	16	3.0	47.5
Linoleic	18:2 w-6	53.3	1.6	58.0	2.4	41.0	10	24.1	31.9	7.5	53.2	68.2	71.8	9	2.5	1.5	20	4.2	28.7
Linolenic	18:3 w-3	0.3		0.7				47.4	1.2	9.2	7.8	0.5	2.0	0.5	4			0.3	1.0
Gadolenic	20:1 w-9					1.0	0.5		0.5	0.3				1			0.5		
TOTAL		72.0	8.1	77.3	18.0	79.7	50	91	76.7	86.13	84.5	87.4	90.4	58.0	37.5	48.0	54.5	7.5	78.0
Polyunsaturated																			
Ricinoleic	18														2		4		
Rosin acids	---																	89.5	
																	40		
wt% FFA		0.5-0.6	1.0-3.5	1.7	0.1	0.8	2-14	2	5-15	0.5-3.8	0.3-1.6	0.1-1.5	0.3	0.5		5-20			

