

Industry News

Final fats, oils census report available

The final report from the 1977 Census of Manufactures for the fats and oils industry has been published and it shows few changes from the preliminary reports issued previously (JAOCS 56:647A, 57:348A).

The final report, MC77-1-20G, costs \$2.25 and may be ordered through regional Department of Commerce sales offices or the Government Printing Office, Washington, DC 20402. It covers manufacturing activities at soybean mills, cottonseed mills, other vegetable oil mills, animal and marine plants, and shortening and edible oil manufacturers. It does not include corn oil manufacturers whose production is included in a separate census of manufactures category.

Total value of oil shipments from vegetable oil mills during 1977 was about \$2.81 billion. Total value of all shipments was approximately \$7.3 billion. Shortening and cooking oil manufacturers produced goods worth \$4.23 billion, according to the final report; the preliminary report had set that figure at approximately \$3.88 billion.

The final report said there were 121 soybean oil mills, 97 cottonseed oil mills, 42 other vegetable mills, 500 animal and marine fats and oils manufacturing units, and 109 shortening and cooking oil manufacturing plants. □

450 attend sunflower conference

The Ninth International Sunflower Conference, held during June at Torremolinos, Spain, attracted about 450 scientists and industry registrants. A total of 118 papers on topics ranging from plant breeding and agronomy to processing were presented by researchers from 22 different countries.

The executive council of the International Sunflower Association elected Nick Barr, Australia, to succeed W.E. Sackston, Canada, as ISA president. Sackston will serve as vice-president until the 1982 conference. Jaap J.L. van Waalwijk van Doorn of The Netherlands was re-elected secretary general/treasurer. Other executive council members are Richard Kalgren of the United States, N.I. Dvorjadkin of the USSR, Tihomir Vrebalov of Yugoslavia, E.J. Parellada of Argentina, and Juan Dominguez Jimenez of Spain.

During the conference, five plant breeders were recognized for outstanding contributions to sunflower science. Honored were Eric Putt, Canada; Galina Pustovoit, USSR; Murray Kinman, U.S.; Alex Vranceanu, Rumania; and Patrice Leclercq, France.

The 1982 International Sunflower Conference will be held near Brisbane, Australia. Argentina has been chosen to host the 1984 conference and Yugoslavia for the 1986 conference. □

More refining by crushers

The Cargill announcement of plans for a new vegetable oil refinery in Wichita prompted an article in the Sept. 1, 1980, *Chemical Marketing Reporter* noting the trend for crushers to take over some of the refining previously done by oil processors.

A.E. Staley, the article noted, is working on a new refinery at Des Moines, Iowa. Within the past few years, Cargill and Staley have entered the hydrogenated oil production business.

Central Soya expanded its refinery capacity at its Decatur, Indiana, plant in recent years as part of a modernization project there.

Chemical Marketing Reporter quoted ADM vice-president Dick Burket as saying the traditional oil refiners are specializing in producing and marketing finished products, buying refined, rather than crude, oil from their suppliers.

During the last week in August, Hunt-Wesson announced it was shutting down processing and packaging operations

Acids, in thousand pounds

Month: June, 1980 Issued: Aug. 20, 1980 No. of manufacturers reporting: 15	Disposition								
	Finished goods inventory on	Production	Receipts	Crude consumption	Domestic shipments	Interindustry shipments	Shipped for export	Total	Finished goods inventory on
SATURATED	5*31								
Stearic acid (40-50% stearic content)	8,134	10,868	-	3,771	SP 866 DP 3,571 TP 2,481	113	112	10,714	8,288
Hydrogenated animal and vegetable oils									
60 C max. titer & min. I.V. 5	6,836	6,801	-	322	5,303	-	120	5,745	7,892
57 C min. titer & max. I.V. <5	4,903	8,258	-	3,718	4,574	-	119	8,411	4,750
Min. stearic content of 70%	2,011	1,696	-	972	1,274	-	-	2,246	1,461
High palmitic lower 80% palmitic, I.V. max. 12	1,025	686	77	459	410	-	10	879	909
Hydrogenated fish & marine mammal fatty acids	541	361	-	24	280	-	-	304	598
Lauric-type acids (I.V. min. 5, Sapon val. min. 245, inc. cocoun, palm kernel, babassu)	4,266	6,557	-	2,088	3,488	1,000	8	6,584	4,239
Fractionated fatty acids (C16 or lower, inc. capric Lauric and/or myristic content of 55% or more)	853	1,909	43	55	1,420	302	10	1,787	1,018
	2,589	652	-	76	489	639	11	1,215	2,026
Total - saturated fatty acids	31,158	37,788	120	11,485	23,956	2,054	390	37,885	31,181
UNSATURATED									
Oleic acid (red oil)	12,280	12,582	50	6,278	ND 222 SD 3,032 MD 1,446	199	440	11,617	13,295
Animal fatty acids other than oleic (I.V. 36 to 80)	4,675	10,661	-	2,901	7,896	146	39	10,782	4,554
Vegetable or marine fatty acids (I.V. max. 115)	19	15	-	-	4	-	-	4	30
Unsaturated fatty acids (I.V. 116 to 150)	4,373	2,394	-	574	2,891	-	1,375	4,840	1,927
Unsaturated fatty acids (I.V. over 150)	3,161	629	-	-	620	80	339	1,019	2,771
Total unsaturated fatty acids	24,508	26,281	50	9,753	15,911	405	2,193	28,262	22,577
TOTAL all fatty acids, saturated & unsaturated	55,666	64,069	170	21,238	39,867	2,459	2,583	66,147	53,758

SP - single pressed; DP - double pressed; TP - triple pressed
ND - not distilled; SD - single distilled; MD - multiple distilled

Tall oil fatty acids & statistics, in thousand pounds

Month: June 1980	2% & OVER ROSIN CONTENT		LESS THAN 2% ROSIN CONTENT	
	JUNE	Percent change from MAY 1980	JUNE	Percent change from MAY 1980
Stock on hand JUNE 1, 1980	33,094	+ 15.0	15,978	+ 23.9
Production	21,580	+ 18.9	14,761	- 11.9
Purchases & receipts	782	- 40.8	456	- 95.3
Disposition				
Domestic	13,634	- 2.5	13,003	- 3.2
Export	2,377	+ 108.0	651	- 23.8
Total disposition	16,011	+ 5.8	13,654	- 4.4
Net disposition*	15,250	+ 10.2	13,198	- 3.5
Total stock JUNE 30, 1980	39,425	+ 19.1	17,540	+ 9.8

*Net - Less purchases & receipts.

Definition: Fatty acids fractionated from crude tall oil having a minimum of 90% fatty acids, not including rosin acids. Primary fractions containing less than 90% fatty acids are classified as distilled tall oils.

at its Harvey, Louisiana, facility by the end of the year and would convert that operation to a warehouse-distribution center. Hunt-Wesson spokesman William C. Blodgett said increasing cost of transportation of raw materials and finished products was a major factor in the decision, along with the rising expense of meeting federal regulatory requirements. □

Cargill to build new refinery

Cargill Inc. has announced plans to build a \$12.3 million soybean oil refinery adjacent to its soybean crushing facility in Wichita, Kansas.

The plant will be able to produce 700,000 pounds of refined edible oil daily. The salad oil and hydrogenated oil will be sold to industrial customers in the Southwest and West for use in margarine, bakery products and shortening, the Cargill announcement said. Completion is scheduled for Winter 1981.

The refinery will include storage capacity for 8.4 million pounds of oil; it will also be capable of processing sunflower seed and cottonseed oil.

Cargill's other vegetable oil refineries in the U.S. are located in Fayetteville, North Carolina; Des Moines, Iowa; Chicago, Illinois; and Gainesville, Georgia.

The announcement was made by Donald H. Leavenworth, head of Cargill's crushing division in the United States. □

Boll weevil deterrent

USDA researchers in Beltsville, Maryland, have developed a tung oil derivative that has been shown to be effective in deterring boll weevils from feeding on cotton buds. The derivative, developed in the Biologically Active Natural Products Laboratory, is a methyl ester of α -eleostearic acid. It will undergo further tests at the USDA Boll Weevil Research Laboratory in Mississippi. USDA researchers say the substance would be substantially cheaper than present control methods. Annual boll weevil damage is about \$4 billion; present control methods cost about \$300 million. □

New affiliation for Wurster & Sanger

Wurster & Sanger Inc., an engineering and consulting firm, has become affiliated with Process Design Associates Inc. of Chicago. Wurster & Sanger will maintain its own offices at 222 W. Adams St., Chicago, which is also the building in which Process Design Associates has offices. Previously affiliated with the Jacobs organization, Wurster and Sanger develops, designs and supplies plants for the animal and vegetable oil industries related to solvent extraction, fatty acids, refining and other phases of the industry. □

Industry briefs

The Tintometer Limited of Salisbury, England, manufacturers of Lovibond chemical analysis equipment and color measuring instruments, has opened a U.S. subsidiary to be known as The Tintometer Co. The new firm has its headquarters, marketing offices and warehouse facilities in the Busch Corporate Center at Williamsburg, Virginia.

Witco Chemical Corporation has completed acquisition of Kraft Inc.'s Humko Sheffield Chemical unit in Memphis, TN. The facility will now be known as the Humko Chemical Division of the Witco Chemical Corp. and will continue under the direction of S.L. Kopald, Jr., who was appointed as general manager.

Lonza Inc. has completed an expansion of its Mapleton, Illinois, plant that raises the firm's total sorbitol capacity to 100 million pounds annually.

Palmex Industries Sdn. Bhd. in Malaysia has begun using its physical refining system furnished by EMI DISC Corp. of Des Plaines, Illinois.

McCloskey Scientific Industries Inc. has been organized by Bruce McCloskey, formerly of Tintometer USA, to manufacture and market edible oil colorimeters designed for use in the fats and oils industry. The firm is located in Oak Ridge, New Jersey.

The corporate engineering offices of Witco Chemical Co. have been moved from the firm's Oakland, NJ, facility to new offices at 2100 Route 208, Fair Lawn, NJ 07410.

Pennwalt Corporation recently acquired Mayo Products Company, located in Smyrna, GA, a supplier of sodium metasilicates. □

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Edited by E. G. Perkins

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