

12 Sugar

This Report on the Sugar Industry relates to establishments engaged wholly or mainly in the manufacture or refining of sugar, syrup and treacle, molasses and invert sugar.

This industry corresponds to minimum list heading 216 in the Standard Industrial Classification (Revised 1968) which has been used for the first time as a basis of classification in the 1968 Census. The definition of this industry however is unchanged from the last detailed Census of Production for 1963 in which it was reported (Part 12).

There were no establishments in this industry in Northern Ireland in 1963 and 1968.

METHOD OF CLASSIFICATION

The classification of returns to this industry followed the standard procedure as outlined in the notes which appear on page (i), but in classifying returns to the sub-divisions of the industry, establishments of the British Sugar Corporation Ltd. were allocated to the group headed 'Beet sugar' and all other establishments to the other group.

In interpreting the data in the tables it is essential to bear in mind the notes and definitions which appear on pages (i) to (iv).

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(b) The following information relates to small establishments (employing fewer than 25 persons) in this industry.

	1963	1968
Number of establishments	5	7
Average number employed		
Working proprietors	7	8
Other persons employed	22	58

(c) Including services rendered to other organisations (amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered).

(d) Customs and Excise duty and Sugar Board Surcharge or Distribution Repayments less drawbacks and allowances and Sugar Board Surcharge Repayments or Distribution Payments.

(e) Administrative, technical and clerical employees.

(f) Excluding expenditure for establishments not yet in production.

(g) Acquisitions less disposals.

TABLE 1 Industry summary, 1963 and 1968
United Kingdom (a) (b)

	Unit	All establishments		
		1963	1968	
Number of enterprises	No.	19	16	
Number of establishments	"	44	42	
Gross output	£'000	230,151	221,482	
Net output	"	37,362	45,193	
Net output per head	£	2,345	3,014	
Sales and work done	{ goods produced and work done (c)	£'000	223,207	219,437
	{ merchant goods and canteen takings	"	3,235	3,158
Customs and Excise duty, Sugar Board Surcharge or Distribution Repayments (net) (d)	"	- 17,479	77,408	
Payments to the Sugar Board from the British Sugar Corporation	"	15,323	-	
Receipts from the Sugar Board by the British Sugar Corporation	"	2,293	28,188	
Purchases	{ materials for use in production and packaging and fuel	"	190,747	115,727
	{ goods for merchanting and canteen purchases	"	3,362	3,097
Payments to other organisations	{ for work done on materials given out	"	9	296
	{ for transport	"	8,706	6,672
	{ by rail and other means excluding postal services	"			1,482
Stocks and work in progress				
Total stocks and work in progress	{ change during year	"	+ 9,294	- 907
	{ at end of year	"	48,045	16,988
Goods on hand for sale	{ change during year	"	+ 3,692	- 1,309
	{ at end of year	"	23,278	3,110
Work in progress	{ change during year	"	+ 17	+ 196
	{ at end of year	"	856	1,386
Materials, stores and fuel	{ change during year	"	+ 5,585	+ 205
	{ at end of year	"	23,911	12,491
Number employed on average during the year	{ total, including working proprietors	Th.	15.9	15.0
	{ operatives	"	12.8	11.1
	{ other employees (e)	"	3.1	3.9
Wages and salaries	{ of operatives	£'000	10,565	11,508
	{ of other employees (e)	"	3,832	6,043
Capital expenditure (f)				
Total	"	5,759	7,212	
New building work	"	1,325	1,572	
Land and existing buildings (g)	"	99	62	
Plant and machinery (g)	"	4,165	5,368	
Vehicles (g)	"	171	209	

(a) For both 1968 and 1963 estimates for small establishments, from which only employment data were collected, accounted for less than one per cent. of the total figures in which they were incorporated. Unsatisfactory returns were nil for 1968 and negligible for 1963.

Footnotes continued on page - 12/2.

TABLE 2 Analysis by size of establishment within the industry, 1968

(i) Output and employment
All establishments: United Kingdom

Number employed on average during the year by the establishment (a)	Estab-lish-ments	Enter-prises (b)	Total number employed on average during the year (a)	Gross output	Net output	Net output per head
	Number	Number	Number	£'000	£'000	£
1-24	7	7	66	..	..	..
25-99	10	9	610	7,466	1,460	2,393
200 and over	25	3	14,319	212,919	43,537	3,041
Total	42	16	14,995	221,482(c)	45,193(c)	3,014(c)

(ii) Employees, wages and salaries

All establishments: United Kingdom

Number employed on average during the year by the establishment (a)	Employees		Wages and salaries		Wages and salaries per head	
	Opera-tives	Others (d)	Opera-tives	Others (d)	Opera-tives	Others (d)
	Number	Number	£'000	£'000	£	£
1-24	..	..	..	..	..	..
25-99	393	212	313	286	797	1,349
200 and over	10,676	3,643	11,150	5,732	1,044	1,573
Total	11,112(c)	3,870(c)	11,508(c)	6,043(c)	1,036(c)	1,561(c)

(a) Including working proprietors.

(b) The sum of the figures for the size groups exceeds the total for the industry to the extent that enterprises made returns for establishments in more than one size group.

(c) Including estimates for establishments employing fewer than 25 persons.

(d) Administrative, technical and clerical employees.

TABLE 3 Percentage analysis of employees, by age and sex, 1969

All establishments: United Kingdom (a)

Ages	Males	Females	All employees
	Per cent.	Per cent.	Per cent.
Under 18	2	2	4
18 and over	74	22	96
All ages	76	24	100

Source: Department of Employment

(a) The percentages relate to the numbers employed (excluding working proprietors) at June 1969, the earliest date for which the information is available on the basis of the Standard Industrial Classification (Revised 1968).

Footnotes to Table 4.

- (a) The method of classifying returns to sub-divisions of the industry is explained in the introduction to this report.
- (b) Including services rendered to other organisations (amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered).
- (c) Direct sales of goods (excluding canteen takings) made to, and work done for, the general public by larger establishments are included. These amounted to £3,000 in 1968. Similar information is not available for 1963.
- (d) Characteristic products relate only to sub-divisions of the industry.
- (e) For sub-divisions of the industry, this is the ratio of sales of characteristic products to total sales of goods produced and work done. For the industry as a whole, this is the ratio of total sales of principal products by the industry to total sales of goods produced and work done.
- (f) Customs and Excise duty and Sugar Board Surcharge or Distribution Repayments less drawbacks and allowances and Sugar Board Surcharge Repayments or Distribution Payments.
- (g) Administrative, technical and clerical employees.
- (h) Excluding expenditure for establishments not yet in production.

TABLE 4 Analysis of larger establishments, 1963 and 1968
Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

	Unit	Sub-divisions of the industry (a)				Total	
		Beet sugar		Other sugar		1963	1968
		1963	1968	1963	1968		
Number of enterprises	No.	1	1	12	9	13	13
Number of establishments	"	18	18	20	17	38	38
Gross output	£'000	67,750	67,137	161,448	153,248	229,198	220,388
Net output	"	12,678	17,600	24,539	27,398	37,217	44,995
Net output per head	£	2,360	3,085	2,338	2,970	2,345	3,010
Sales and work done	£'000	goods produced and work done (b) (c)		156,435	151,157	222,283	218,358
		merchanted goods and canteen takings		3,034	2,924	3,217	3,137
Sales of characteristic products	"	65,696	67,059	153,975	149,037	(d)	(d)
Index of specialisation (e)	Per cent.	99	100	98	99	98	99
Customs and Excise duty, Sugar Board Surcharge or Distribution Repayments (net) (f)	£'000	- 13,020	21,561	- 4,433	55,450	- 17,453	77,011
Payments to the Sugar Board from the British Sugar Corporation	"	15,323	-	-	-	15,323	-
Receipts from the Sugar Board by the British Sugar Corporation	"	2,293	28,188	-	-	2,293	28,188
Purchases	"	materials for use in production and packaging, and fuel		140,939	61,910	189,915	115,288
		goods for merchandising and canteen purchases		3,211	2,921	3,343	3,077
	"	for work done on materials given out		-	294	9	294
Payments to other organisations	"	for transport by road		1,163	5,469	8,668	6,638
		by rail and other means excluding postal services		2,206	55		
				1,427			
Stocks and work in progress	"	change during year		+ 1,962	- 1,028	+ 3,681	- 1,300
		at end of year		4,906	2,781	23,249	3,099
Work in progress	"	change during year		+ 17	+ 195	+ 17	+ 195
		at end of year		851	1,376	851	1,376
Materials, stores and fuel	"	change during year		+ 9,271	+ 249	+ 5,530	+ 2,000
		at end of year		18,497	8,332	23,802	12,432
Number employed on average during the year	No.	total, including working proprietors		10,497	9,224	15,870	14,922
		operatives		8,650	7,002	12,732	11,067
		other employees (g)		1,843	2,217	3,134	3,855
Wages and salaries	£'000	of operatives		7,159	7,287	10,527	11,468
		of other employees (g)		2,465	3,759	3,819	6,011
Wages and salaries per head	£	825	1,027	828	1,041	827	1,038
Capital expenditure (h)	£'000	operatives		1,338	1,696	1,218	1,568
		other employees (g)		1,048	1,379	1,218	1,568
New building work	£'000	Land and existing buildings		485	497	1,322	1,568
		acquisitions		23	6	168	7
	disposals		45	17	69	1	
Plant and machinery	"	acquisitions		2,225	3,276	4,191	5,398
		disposals		31	36	40	4
Vehicles	"	acquisitions		148	227	207	24
		disposals		35	39	37	3

For notes to this table - see page 12/5.

TABLE 5 Sales of principal products of the industry by larger establishments, including sales by establishments classified to other industries, 1963 and 1968

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

	1963		1968		Enterprises	Entries
	Quantity	Value	Quantity	Value		
	Th.cwt.	£'000	Th.cwt.	£'000		
Sugar, unrefined	3,162	13,008	5,666	5,988	*	*
Sugar, refined or rendered by any process equivalent thereto	56,214	182,222	53,008	182,715	5	24
Sugar, ground or otherwise prepared for icing, fondants, etc	1,346	5,464	929	4,065	14	17
Syrup and treacle	1,169	4,622	1,872	6,868	7	12
Invert sugar, other than syrup and treacle	989	3,362	828	2,995	7	11
Molasses	3,368	2,465	3,424	1,996	*	24
Caramel	222	1,010	177	833	5	5
Beet pulp (including wet pulp in terms of dry pulp)	8,654	8,965	11,943	11,872	*	18
Other products, including waste products	..	1,567 ^(a)	..	477	*	23
Work done		-		37	*	*
Total		222,685		217,846	..	..
Sales in other industries (see Table 6)		1,935		1,490	..	..
Principal products of this industry sold by establishments in the industry		220,751		216,356	10	34 ^(b)

(a) Including for 1963, sugar and extracts from sugar which cannot be completely tested by the polariscope, not included elsewhere.

(b) This figure represents the total number of returns made for larger establishments in this industry which is less than the total number of establishments shown in Table 4 on account of combined returns covering more than one establishment.

TABLE 6 Sales of principal products of the industry by larger establishments classified to other industries, 1963 and 1968.

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

Sales of principal products by larger establishments classified to other industries amounted to £1,490,000 in 1968 and £1,935,000 in 1963. Owing to the risk of disclosure of information relating to individual firms separate particulars cannot be given.

TABLE 7 Sales of other than principal products by larger establishments in the industry, 1963 and 1968

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

	1963		1968	
	Quantity	Value	Quantity	Value
		£'000		£'000
Sugar confectionery	..	233	..	202
Glucose			Th.cwt.	
			466	807
Other goods sold including sales of purchased second-hand sacks and bags sorted, cleaned, repaired, etc, electricity and services rendered to other organisations (a)	..	1,300	..	990
Total value of goods sold without having been subjected to any manufacturing process (merchanted or factored)	..	2,874	..	2,762
Canteen takings		343		375
Total		4,749		5,136

(a) Amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered to other organisations.

TABLE 8 Production of certain principal products of the industry by larger establishments, 1963 and 1968

This table is not applicable to this industry.

TABLE 9 Purchases by larger establishments of selected principal products of the industry, 1968

This table is not applicable to this industry.

TABLE 10 Purchases by larger establishments in the industry, 1963 and 1968

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

	1963		1968	
	Quantity	Cost	Quantity	Cost
		£'000		£'000
Materials for use in production				
Sugar beet	..	34,793	..	44,428
Sugar unrefined				
Home produced	..	10,709	..	5,988
Imported	..	126,783	..	44,221
Sugar refined				
Home refined	..	1,354	..	2,611
Imported	..	373	..	24
Glucose	..	(a)	..	1,659
Limestone and lime	..	492	..	632
Charcoal	..	191	..	193
Carbon	..	205	..	97
	Th. tons		Th. tons	
Tinplate and blackplate	4.8	323(b)	4.9	336
	Th. gal.		Th. gal.	
Lubricating oils and greases	89.8	27	83.5	26
	Th. cwt.		Th. cwt.	
	1.5	6	0.8	5
Replacement parts for firms' own machinery, plant and vehicles, and accessories and consumable tools bought as replacement				
Tyres and other spare parts for firms' own road goods vehicles	..	1,508	..	104
Other	..		..	1,514
All other materials for use in production	..	1,996	..	2,026
Packaging materials				
Paper and board				
Boxes, cartons, drums and canisters (with or without metal ends) of paper and cardboard	..	1,712	..	441
Fibreboard packing cases	..		..	273
Bags and multiwall paper sacks	..	968(c)	..	1,541
Wrapping and packing paper (including paper coated with plastics and any laminates incorporating paper but not metal)	..		..	597
Paper and board for converting into packaging materials	..	1,180	..	425
Other packaging materials of paper and paper-board (including moulded pulp units and labels)	..		..	722
Cans and metal boxes	..	182	..	144
Jute and hessian piece goods, sacks and bags	..	1,469	..	1,082
All other packaging materials	..	302	..	353

Continued on next page

TABLE 10 (continued)

	1963		1968	
	Quantity	Cost	Quantity	Cost
	Th.tons	£'000	Th.tons	£'000
Fuel and electricity				
Coal	833	4,519	673	3,660
Coke (including screenings) and manufactured fuel	55.9	318	34.0	408
	Th.gal.		Th.gal.	
Derv fuel and motor spirit for use in road vehicles	371	59	409	99
Other liquid fuels (including creosote/pitch mixtures, etc, and liquefied petroleum gases)	5,666	229	..	1,272
	Th.therms		Th.therms	
Gas	289	24	..	27
	Th.kWh		Th.kWh	
Electricity	32,594	191	42,753	307
			..	64
All other fuels	..	(a)	..	6
Total cost of materials and fuel		189,915		115,284
Goods purchased for merchanting		2,920		2,688
Canteen purchases		422		389
Total cost of purchases		193,257		118,360

(a) Not separately recorded in 1963.

(b) Terneplate was specifically included for 1963.

(c) Excluding bags for 1963.

(d) The total quantity of electricity generated in establishments employing 25 or more persons in this industry was 316,992 Th.kWh. in 1968 and 319,263 Th.kWh. in 1963.

TABLE 11 Transport costs and employment of larger establishments, 1963 and 1968

Establishments employing 25 or more persons:
Analysis of returns received, United Kingdom

	Unit	1963	1968
Average number mainly employed on transport	No.	167	176
Transport costs			
Wages and salaries	£'000	158	256
Derv fuel and motor spirit	"	59	99
Tyres and other spare parts for road goods vehicles	"	..	104
Payments to other organisations for transport	"	8,668	6,633
	"		
Costs of operating road goods vehicles			
Insurance	"	16	12
Vehicle licences	"	17	36
Depreciation	"	58	77
Payments to other organisations for repairs and maintenance	"	14	25
Total	"	8,989(a)	8,723

(a) Excluding tyres and other spare parts for road goods vehicles, not collected separately for 1963.

TABLE 12 Payments for certain services, etc by larger establishments, 1963 and 1968 (a)

Establishments employing 25 or more persons:
Analysis of returns received, United Kingdom

	Amounts payable	
	1963	1968
	£'000	£'000
Repairs and maintenance to		
Buildings	115	440
Road goods vehicles	14	25
Plant, machinery and other capital equipment	226	803
Insurance, licensing and depreciation of road goods vehicles (b)	90	125
Rates, excluding water rates	776	1,113
Hire of plant and machinery	39	157
Postage, telephone, telegrams, cables and telex (c)	94	139
Total	1,354	2,803

(a) No deduction is made for these payments to arrive at the figures of net output given in this report.

(b) For details see Table 11.

(c) Excluding Telex for 1963.

TABLE 13 Percentage analysis of twelve-month periods covered by returns from larger establishments, 1968

Establishments employing 25 or more persons:
Analysis of returns received, United Kingdom

Year ended	Percentage of total returns received	Percentage of total number employed
	Per cent.	Per cent.
1968		
April (a)	0.0	0.0
May	2.9	0.5
June	0.0	0.0
July	0.0	0.0
August	0.0	0.0
September	79.4	94.1
October	2.9	0.4
November	0.0	0.0
December	8.8	4.0
1969		
January	0.0	0.0
February	0.0	0.0
March	5.9	1.0
April (b)	0.0	0.0
	100	100

(a) From 6 April.

(b) To 5 April.