

If not shown, please enter your 11-digit Census File Number from the address label on page 1

Census File Number

**Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997**

**INSTRUCTIONS**

**1. General** – The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in item 18B. Please review the entire list and report separately each item consumed. Leave blank if you do not consume the item. If you use materials, parts, and supplies which are not listed, describe and report them in the "Cost of all other materials . . ." line at the end of this section. If you consumed less than \$25,000 of a listed material, include the value with "Cost of all other materials . . .," Census material code 970099 8.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

**2. Valuation of Materials Consumed** – The value of the materials, etc., consumed should be based on the delivered cost; i.e., the amount paid or payable after discounts and including freight and other direct charges incurred in acquiring the materials.

Materials received from other plants within your company should be reported at their full economic value (the value assigned by the shipping plant, plus the cost of freight and other handling charges).

If purchases or transfers do not differ significantly from the amounts actually put into production, you may report the cost of purchases or transfers. However, if consumption differs significantly from the amounts purchased or transferred, these amounts should be adjusted for changes in the materials and supplies inventories by adding the beginning inventory to the amount purchased or transferred and subtracting ending inventory.

**3. Contract Work** – Include as materials consumed those you purchased for use by others making products for you under contract. Amounts paid to the companies doing the contract work should be reported in item 10, line e, and should include freight in and out. On the other hand, materials owned by others but used at this establishment in making products for others under contract or on commission should be excluded.

**4. Resales** – Cost for products bought and sold or transferred from other establishments of your company and sold without further manufacture, processing, or assembly should be reported in item 10, line b, not in item 17 below. The value of these products shipped by this establishment should be reported in item 18B under Census product code 99989 00 6, "Resales."

**5. Produced and Consumed** – Fertilizer products – Report the quantities produced and consumed in manufacturing other products made by this establishment in item 19.

**NOTE:** The materials used to produce these products should be reported in item 17.

Line No.	Materials, parts, and supplies		Census material code	Unit of measure for quantities	Basis	Consumption of purchased materials and of materials received from other establishments of your company		
						573 Quantity	574 Cost, including delivery cost (freight-in)	
							(E)	
(A)	(B)	(C-1)	(C-2)	(D)	Millions	Thou- sands	Dollars	
1	NITROGENOUS MATERIALS	Ammonia, synthetic anhydrous	287312 3	Short tons	100% NH <sub>3</sub>		\$	
2		Ammoniating or nitrogen solutions, including ammonium nitrate solutions, and mixtures containing urea	287319 8		100% N			
3		Ammonium nitrate (solid only)	287318 0		100% NH <sub>4</sub> NO <sub>3</sub>			
4		Ammonium sulfate	287315 6		100% (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>			
5		Urea (solid only)	287322 2		100% CO(NH <sub>2</sub> ) <sub>2</sub>			
6		Other nitrogenous materials, including calcium cyanamide and limestone mixtures (Report ammonium phosphates on line 9.)	287317 2					
7	PHOSPHATIC MATERIALS	Superphosphates - total used in mixed goods	287422 0		100% P <sub>2</sub> O <sub>5</sub>			
8		Phosphoric acid	287410 5					
9		Other phosphatic materials, including diammonium and mono-ammonium phosphates	287429 5					
10	POTASSIC MATERIALS	Muriate of potash (all grades)	147401 4		60-62% K <sub>2</sub> O			
11		Other potassic materials, including potassium nitrate and sulfate	147409 7					
12	Inert fillers, secondary plant food, and soil conditioners, including sand, limestone, peat, nut hulls, citrus meals, etc.		190029 9					
13	Sulfuric acid (new and spent)		281930 8		100% H <sub>2</sub> SO <sub>4</sub>			

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**Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 – Continued**

Line No.	Materials, parts, and supplies  <b>(A)</b>	Census material code  <b>(B)</b>	Unit of measure for quantities  <b>(C-1)</b>	Basis  <b>(C-2)</b>	Consumption of purchased materials and of materials received from other establishments of your company			
					Quantity  <b>(D)</b>	Cost, including delivery cost (freight-in) <b>(E)</b>		
						574 Millions	Thou- sands	Dollars
14	Phosphate rock	147501 1	Short tons		\$			
15	Sulfur	147901 3	Long tons					
16	Natural gas used as a raw material (feedstock and process heat) (Do not report fuel or energy use.)	131152 1	Million cu ft					
17	Bags, except textile, including shipping sacks, multiwall bags, and polyethylene liners	267000 8						
18	Cost of all other materials and components, parts, containers, and supplies consumed . . . Describe the principal materials, etc., included in this value.	970099 8						
19	<b>TOTAL</b> Sum of lines 1-18 should equal item 10, line a				\$			

**Item 18A. TYPE OF OPERATION CONDUCTED AT THIS ESTABLISHMENT DURING 1997**

Type of operation <b>(A)</b>	Key	Mark (X) appropriate boxes <b>(B)</b>
Manufacturing bulk fertilizer materials, including ammonia, nitric acid, urea, phosphoric acid, and superphosphate (Report value of these bulk, uncompounded shipments on lines 1-5 below.)	401	2816 <input type="checkbox"/>
Manufacturing bulk fertilizer materials, and shipping mixed fertilizers produced from one or more of these manufactured materials (Report these shipments on lines 6-9 below.)	402	2824 <input type="checkbox"/>
Manufacturing (mixing) fertilizers from purchased fertilizer materials (Report value of these shipments on lines 10-13 below.)	403	2832 <input type="checkbox"/>
Shipping bulk (unmixed) fertilizer materials and/or mixed fertilizers not produced or mixed at this establishment (Report the cost of these products on item 10, line b, and their value on line 31 below.)	404	2840 <input type="checkbox"/>

**Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997**

**INSTRUCTIONS**

- General** – The manufactured products and services listed below are generally made in your industry. If you make products that are not listed, describe and report them in the "All other products made in this establishment" section at the end of item 18B. PLEASE DO NOT COMBINE PRODUCT LINES.  
  
If quantities are requested, please use the unit of measure specified.  
  
If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.
  - Valuation of Products** – Report the value of the products shipped and services performed at the net selling value, f.o.b. plant to the customer; i.e., after discounts and allowances, and exclusive of freight charges and excise taxes.  
  
If you transfer products to other establishments within your company, you should assign the full economic value to the transferred products; i.e., include all direct costs of production and a reasonable proportion of all other costs and profits.
  - Contract Work** – Report PRODUCTS MADE BY OTHERS FOR YOU FROM YOUR MATERIALS on the specific lines as if they were made in this establishment. On the other hand, do not report on the specific product lines PRODUCTS THAT YOU MADE FROM MATERIALS OWNED BY OTHERS. Report only the amount that you received for "commission or contract receipts" under Census product code 93000 00 8.
  - Resales** – Do not report on the specific product lines those PRODUCTS BOUGHT AND SOLD OR TRANSFERRED FROM OTHER ESTABLISHMENTS OF YOUR COMPANY AND SOLD WITHOUT FURTHER MANUFACTURE. Report only a value under Census product code 99989 00 6, "Resales."
  - Detailed Data Reported Elsewhere** – Items denoted by an asterisk (\*) require totals for groups of products covered in the Current Industrial Reports (CIR). If you report on these forms, the sum of the detailed CIR products should equal the total reported on this census form.
- NOTE:** Only totals are requested; do not duplicate detail reported on the CIR reports.

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Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued

Line No.	Products and services *Item corresponds to products reported on Current Industrial Reports (CIR)  (A)		Census product code  581 (B-1)	Corresponds to the sum of products reported for 1997 on –		Products shipped and other receipts			
				CIR form (B-2)	Item codes (B-3)	Quantity (gross wt) (short tons) (D)	Value, f.o.b. plant (E)		
							584 Millions	Thou-sands	Dollars
1	Synthetic ammonia, nitric acid, and ammonium compounds *		28731 00 8	↑ MA28B ↓	3111-3143 3151-3159		\$		
2	Urea (Corresponds to detailed data on CIR report)		28732 00 6		3181-3187				
3	Fertilizer materials of organic origin, including activated sewage sludge, processed tankage, and other natural fertilizer materials – <i>Specify kind</i>		28733 00 4						
4	Phosphoric acid *		28741 00 7	MA28B	3473, 3474				
5	Superphosphate and other phosphatic fertilizer materials*		28742 00 5	MA28A MA28B	3967 3311-3361				
6	<b>Mixed Fertilizers Produced From One or More Materials Made in This Establishment (28744)</b>	In packages, tablets, and similar forms gross weight = 22 lb or less (10 kg)		28744 10 0					
7		IN BULK (in amounts greater than 22 lb (10 kg))	Dry, shipped in bulk	28744 11 8					
8			Dry, shipped in bags	28744 21 7					
9			Liquid	28744 31 6					
10	<b>Mixed Fertilizers Made by Establishments Which Do Not Manufacture Fertilizer Materials (28750)</b>	In packages, tablets, and similar forms gross weight = 22 lb or less (10 kg)		28750 10 7					
11		IN BULK (in amounts greater than 22 lb (10 kg))	Dry, shipped in bulk	28750 11 5					
12			Dry, shipped in bags	28750 21 4					
13			Liquid	28750 31 3					
14		Potting soils (mixed with fertilizers and/or other chemicals)		28750 41 2					
15		Compost (mixed with chemicals, etc. for decay control)		28750 51 1					
16	Plant foods, mixed		28750 61 0						
17	Carbon dioxide*		28133 00 7	MA28C	3110-3140				
18	Sulfuric acid*		28193 00 1	MA28B	9311-9331				
19	Inorganic acids, except nitric, sulfuric, and phosphoric*		28194 00 9	↑ MA28A ↓	3411-3497				
20	Potassium and sodium compounds, except bleaches, alkalies, and alum*		28197 00 2		3703-3788				
21	Other inorganic chemicals, except aluminum oxide*		28199 00 8		3225, 3235, 8999 3891-4998				
22	<b>MISCELLANEOUS CYCLIC AND ACYCLIC CHEMICALS AND CHEMICAL PRODUCTS (28697)</b>	Fluorocarbon gases		28697 11 8					
23		Carbon bisulfide (disulfide)		28697 13 4					
24		Fatty acid esters		28697 15 9					
25		Other		28697 19 1					

CONTINUE WITH ITEM 18B ON PAGE 8

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 - Continued									
Line No.	Products and services *Item corresponds to products reported on Current Industrial Reports (CIR)  <b>(A)</b>		Census product code  <b>(B-1)</b>	Corresponds to the sum of products reported for 1997 on -		Products shipped and other receipts			
				CIR form <b>(B-2)</b>	Item codes <b>(B-3)</b>	Quantity <b>(D)</b>	Value, f.o.b. plant <b>(E)</b>		
							584 Millions	Thou- sands	Dollars
26	ALL OTHER PRODUCTS MADE IN THIS ESTABLISHMENT  <i>Describe and report separately each product with a sales value of \$50,000 or more which cannot be assigned to one of the lines above. Specify unit of measure for quantity. For all remaining products, write "Other" and report a single total value.</i>		18						
27			26						
28			34						
29	RECEIPTS FOR CONTRACT WORK	Receipts for work done for others on their own materials <i>Describe below products worked on and kind of work.</i>	93000 00 8						
30	MISCELLANEOUS RECEIPTS	Sales of scrap, refuse, sold electricity, and other miscellaneous receipts (including receipts for repair work, etc.)	99980 00 5						
31	RESALES	Sales of products bought and sold without further manufacture, processing, or assembly in this establishment. The cost of such items should be reported in item 10, line b.	99989 00 6						
32	<b>TOTAL value of shipments and other receipts</b> Sum of lines 1-31, column (E)		77000 00 8						

Items 19-21 - Not applicable to this report

REMARKS - Please use this space for any explanations that may be essential in understanding your reported data.

Item 22. CERTIFICATION - This report is substantially accurate and has been prepared in accordance with instructions.

Name of person to contact regarding this report ( <i>Print or type</i> )		Telephone	Area code	Number	Extension		
667	1		2				
Name of company			Address ( <i>Number and street, city, State, ZIP Code</i> )				
Period covered		FROM: Month	Day	Year	TO: Month	Day	Year
		666	1		2		
Signature of authorized person			Title		Date		