



## service bulletin

## bulletin de service

## Metals and minerals

Manufacturing and Primary Industries Division

STATISTIQUE  
CANADA

Vol. 3, No. 13

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## CONSUMPTION OF FERRO-ALLOYS AND ADDITION AGENTS(1) 1974

## CONSOMMATION DE FERRO-ALLIAGES ET DE PRODUITS D'ADDITION(1) 1974

TABLE 1. Consumption of Ferro-alloys and Addition Agents, 1974

TABLEAU 1. Consommation de ferro-alliages et de produits d'addition 1974

Division des industries manufacturières et primaires

## Used during 1974 — Utilisé pendant l'année 1974

	Gross weight Poids brut tons of 2,000 pounds tonnes de 2,000 livres	Metal content Métal contenu	Gross weight Poids brut Metric — tonnes — Métriques	Metal content Métal contenu
Ferro-alloys — Ferro-alliages:				
1. Ferroboron — Ferrobore .....	12	2	11	2
2. Ferrochrome (including Chrom-x) — Ferrochrome (y compris Chrom-x):				
High carbon — Forte teneur en carbone .....	22,872	13,038	20 749	11 828
Low carbon (max. 2% carbon) — Faible teneur en carbone (max. 2 % de carbone) .....	11,495	10,185	10 428	9 240
3. Ferromanganese — Ferromanganèse:				
High carbon (over 3% carbon) — Forte teneur en carbone (plus de 3 % de carbone) .....	77,225	..	70 057	..
Medium carbon — Teneur moyenne en carbone .....	13,019	..	11 811	..
Low carbon (max. 0.75% carbon) — Faible teneur en carbone (max. 0.75 % de carbone) .....	1,186	..	1 076	..
4. Ferromolybdenum — Ferromolybdène .....	428	286	388	259
5. Ferrophosphorus — Ferrophosphore .....	1,167	..	1 059	..
6. Ferroselenium — Ferrosélénium .....	2	1	2	—
7. Ferrosilicon(2) — Ferrosilicium(2):				
Low silicon grade (under 45% silicon) — Faible teneur en silicium (moins de 45 % de silicium) .....	7,217	..	6 547	..
Medium silicon grade — Teneur moyenne en silicium .....	38,047	..	34 516	..
High silicon grade (over 55% silicon) — Forte teneur en silicium (plus de 55 % de silicium) .....	20,485	..	18 584	..
Sil-X .....	16	..	15	..
8. Ferrotitanium — Ferrotitanane .....	31	16	28	15
9. Ferrotungsten — Ferrotungstène .....	146	116	132	105
10. Ferrovanadium .....	549	426	498	386
11. Ferrozirconium .....	238	36	216	33
12. Silico manganese — Silico manganèse .....	12,988	..	11 783	..
13. Spiegeleisen .....	1,119	..	1 015	..
14. Others, including ferrocolumbium, ferrotantalum-columbium, etc. — Autres, y compris ferrocolumbium, ferrotantale-columbium, etc. .....	35,497	3,264	32 203	2 961

See footnote(s) at end of Table 2. — Voir renvoi(s) à la fin du tableau 2.

December — 1975 — Décembre  
5-3304-755

TABLE 1. Consumption of Ferro-alloys and Addition Agents, 1974 - Concluded

TABLEAU 1. Consommation de ferro-alliages et de produits d'addition 1974 - fin

	Used during 1974 - Utilisé pendant 1974			
	Gross weight Poids brut	Metal content Métal contenu	Gross weight Poids brut	Metal content Métal contenu
	tons of 2,000 pounds tonnes de 2,000 livres		Metric - tonnes - Métriques	
<b>Addition agents - Produits d'addition:</b>				
15. Aluminum metal - Aluminium-métal .....	5,766	..	5 231	..
16. Calcium-manganese silicon - Silicium au calcium-manganèse .....	163	..	148	..
17. Calcium silicon - Silicium au calcium .....	661	..	600	..
18. Chrome ore - Minerai de chrome .....	139	27	126	24
19. Cobalt metal - Cobalt-métal .....	79	..	72	..
20. Manganese metal - Manganèse-métal .....	1,887	..	1 712	..
21. Molybdc oxide - Oxyde molybdique .....	1,635	799	1 483	725
22. Nickel:				
Briquettes .....	761	..	690	..
Electrolytic - Electrolytique .....	1,814	..	1 646	..
Ingots - Lingots .....	27	..	24	..
"F", shot and ingots - "F", grenaille et lingots .....	36	..	33	..
Others, including oxide sinter, "NCC" pig, "NH" pig, "XX" shot, etc. - Autres, y compris travertin d'oxyde, "NCC" saumon, "NH" saumon, "XX" grenaille, etc. .....	4,910	TONNES	4 454	..
Total nickel .....	7,548	..	6 847	..
23. Others, including calcium metal, manganese ore, tungsten ore, etc. - Autres, y compris calcium-métal, minerai de manganèse, minerai de tungstène, etc. .....	11,595	1,487	10 518	1 349

See footnote(s) at end of Table 2. - Voir renvoi(s) à la fin du tableau 2.

TABLE 2. Stocks of Ferro-alloys and Addition Agents, 1974

TABLEAU 2. Stocks de ferro-alliages et de produits d'addition 1974

	On hand December 31, 1974 - En main au 31 décembre 1974			
	Gross weight Poids brut	Metal content Métal contenu	Gross weight Poids brut	Metal content Métal contenu
	tons of 2,000 pounds tonnes de 2,000 livres		Metric - tonnes - Métriques	
<b>Ferro-alloys - Ferro-alliages:</b>				
1. Ferroboron - Ferrobore .....	16	2	15	2
2. Ferrochrome (including Chrom-X) - Ferrochrome (y compris Chrom-X):				
High carbon - Forte teneur en carbone .....	2,144	1,272	1 945	1 154
Low carbon (max. 2% carbon) - Faible teneur en carbone (max. 2 % de carbone) .....	2,549	1,652	2 312	1 499
3. Ferrromanganese - Ferromanganèse:				
High carbon (over 3% carbon) - Forte teneur en carbone (plus de 3 % de carbone) .....	9,838	..	8 925	..
Medium carbon - Teneur moyenne en carbone .....	1,952	..	1 771	..
Low carbon (max. 0.75% carbon) - Faible teneur en carbone (max. 0.75 % de carbone) .....	624	..	566	..
4. Ferromolybdenum - Ferromolybdène .....	213	1 19	193	126
5. Ferrophosphorus - Ferrophosphore .....	742	..	673	..
6. Ferroselenium - Ferrosélénium .....	-	-	-	-
7. Ferrosilicon(2) - Ferrosilicium(2):				
Low silicon grade (under 45% silicon) - Faible teneur en silicium (moins de 45 % de silicium) .....	1,764	..	1 600	..
Medium silicon grade - Teneur moyenne en silicium .....	3,589	..	3 256	..
High silicon grade (over 55% silicon) - Forte teneur en silicium (plus de 55 % de silicium) .....	2,255	..	2 046	..
Sil-X .....	3	..	3	..

See footnote(s) at end of Table 2. - Voir renvoi(s) à la fin du tableau 2.

TABLE 2. Stocks of Ferro-alloys and Adding Agents, 1974 - Concluded

TABLEAU 2. Stocks de ferro-alliages et de produits d'addition 1974 - fin

	On hand December 31, 1974 - En main au 31 décembre 1974			
	Gross weight Poids brut	Metal content Métal contenu	Gross weight Poids brut	Metal content Métal contenu
	tons of 2,000 pounds tonnes de 2,000 livres		Metric - tonnes	Métriques
<b>Ferro-alloys - Concluded - Ferro-alliages - fin:</b>				
8. Ferrotitanium - Ferrotitanane .....	60	22	54	20
9. Ferrotungsten - Ferrotungstène .....	101	80	92	73
10. Ferrovanadium .....	218	170	198	154
11. Ferrozirconium .....	43	6	39	5
12. Silico manganese - Silico manganèse .....	2,409	..	2 185	..
13. Spiegeleisen .....	112	..	102	..
14. Others, including ferrocolumbium, ferrotantalum-columbium, etc. - Autres, y compris ferrocolumbium, ferrotantale- columbium, etc. .....	2,328	252	2 112	229
<b>Addition agents - Produits d'addition:</b>				
15. Aluminum metal - Aluminium-métal .....	830	..	753	..
16. Calcium-manganese silicon - Silicium au calcium-manganèse	32	..	29	..
17. Calcium silicon - Silicium au calcium .....	315	..	286	..
18. Chrome ore - Minerai de chrome .....	55	13	50	12
19. Cobalt metal - Cobalt-métal .....	43	..	39	..
20. Manganese metal - Manganèse-métal .....	321	..	291	..
21. Molybdic oxide - Oxyde molybdique .....	244	166	221	151
22. Nickel:				
Briquettes .....	235	..	213	..
Electrolytic - Electrolytique .....	455	..	413	..
Ingots - Lingots .....	5	..	5	..
"R", shot and ingots - "F", grenaille et lingots .....	6	..	5	..
Others, including oxide sinter, "NCC" pig, "NH" pig, "XX" shot, etc. - Autres, y compris travertin d'oxyde, "NCC" saumon, "NH" saumon, "XX" grenaille, etc. .....	1,231	..	1 118	..
Total nickel .....	1,932	..	1 754	..
23. Others, including calcium metal, manganese ore, tungsten ore, etc. - Autres, y compris calcium-métal, minéral de manganèse, minéral de tungstène, etc. .....	11,582	5,300	10 507	4 808

(1) Ferrous and non-ferrous alloying addition agents used in the production of steel, cast iron, cupro nickel, coinage, magnet  
alloy, etc. - Produits d'addition d'alliages ferreux et non ferreux utilisés dans la production d'acier, de fonte, de  
cupronickel, de monnayage, d'alliages magnétiques, etc.

(2) Does not include ferrosilicon used in production of magnesium. - N'inclus pas le ferrosilicium utilisé dans la production  
du magnésium.

.. Figures not available. - Nombres indisponibles.

List of Reporting Consumers  
Liste des consommateurs répondants

Name — Nom	Plant location — Localisation de l'usine
A-1 Steel & Iron Foundry Ltd. ....	(2, 3, 4, 7, 15, 16, 17, 21, 22) Vancouver, B.C. — C.-B.
Abex Industries of Canada Ltd. ....	(2, 3, 7, 12, 15, 16, 22) Joliette, Qué.
	(2, 3, 7, 12, 15, 17, 21, 22) Selkirk, Man.
Aimco Automotive Industries ....	(2, 3, 7) St. Catharines, Ont.
Alcan Canada Ltd. ....	(7, 20, 22) Montréal, Qué.
Algoma Steel Corp'n Limited, The ....	(1, 2, 3, 5, 7, 8, 10, 12, 14, 15, 21, 22, 23) Sault Ste Marie, Ont.
Alloy Foundry Co. Ltd. ....	(2, 3, 7, 22) Merrickville, Ont.
Anaconda Canada Limited ....	(15, 20, 22, 23) Toronto, Ont.
Anthes Western Ltd. ....	(3, 7) Winnipeg, Man.
Associated Foundry Ltd. ....	(7) Surrey, B.C. — C.-B.
Atlas Steels Co. (A Division of Rio Algom Mines Ltd.) ....	(1, 2, 3, 4, 7, 14, 17, 20, 22) Tracy, Qué.
	(1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 14, 15, 17, 18, 19, 20, 21, 22, 23) Welland, Ont.
Babcock & Wilcox Canada Ltd. ....	(2, 3, 4, 7, 15, 22) Galt, Ont.
Bell City Foundry (Brantford) Ltd. ....	(2, 7) Brantford, Ont.
Bell Foundry Co. Ltd. ....	(3, 7, 22) St. James, Man.
Benn Iron Foundry Ltd. ....	(2, 3, 4, 7, 14, 22) Wallaceburg, Ont.
Bibby Foundry ....	(3, 7) Galt, Ont.
Black Clawson-Kennedy Ltd. ....	(2, 3, 4, 6, 7, 8, 10, 11, 14, 15, 17, 19, 22, 23) Owen Sound, Ont.
Brown Foundry Ltd. ....	(7) Morrisburg, Ont.
Burlington Steel Co. Ltd. ....	(2, 3, 4, 7, 10, 12, 14, 22) Hamilton, Ont.
Canron Limited (Pipe Division) ....	(4, 7) Trois-Rivières, Qué.
	(2, 3, 4, 6, 7, 8, 14, 17, 22) Hamilton, Ont.
	(2, 3, 4, 5, 7, 14, 17, 22, 23) St. Thomas, Ont.
	(12, 14, 18, 23) Toronto, Ont.
Canada Valve Ltd. ....	(2, 14) Kitchener, Ont.
CAE Machinery Ltd. ....	(2, 3, 4, 7, 12, 14, 15, 16, 17, 18, 22) Vancouver, B.C. — C.-B.

List of Reporting Consumers — Continued  
Liste des consommateurs répondants — suite

Name — Nom	Plant location — Localisation de l'usine
Canadian Blower & Forge Co. Ltd. ....	(2, 3, 7, 22) Kitchener, Ont.
Canadian General Electric Co. Ltd. ....	(8, 11, 14, 22) Québec, Qué.
Canadian Steel Wheel Ltd. ....	(2, 3, 7, 10, 12, 14, 15, 17) Montréal, Qué
Chromasco Corporation Limited ....	(7, 15) Haley, Ont.
Cornwall Brass & Iron Foundries Ltd. ....	(7) Cornwall, Ont.
Crawford Machine & Foundry Ltd. ....	(2, 7, 22) Woodstock, Ont.
Crowe Foundry Ltd. ....	(2, 4, 7, 22) Cambridge (Hespeler) Ont.
Colt Industries (Canada) Ltd. (Crucible Steel Division) ....	(1, 2, 3, 4, 7, 8, 9, 10, 11, 12, 14, 15, 17, 19, 20, 21, 22, 23) Sorel, Qué.
Date Industries Ltd. ....	(7) Ayr, Ont.
Dayton-Walther Company limited ....	(2, 3, 4, 7, 12, 15) Guelph, Ont.
Deloro Stellite Limited....	(2, 3, 4, 7, 12, 14, 15, 16, 19, 20) Belleville, Ont.
Dobney Foundry Co. ....	(2, 3, 7) New Westminster, B.C. — C.-B.
Dominion Bridge Co. Limited ....	(2, 3, 4, 7, 22) Edmonton, Alta. — Alb.
Dominion Colour Corporation Limited ....	(21) Toronto, Ont.
Dominion Engineering Works Ltd. ....	(2, 3, 4, 5, 7, 12, 14, 16, 21, 22) Lachine, Qué.
Dominion Foundries & Steel Limited ....	(2, 3, 5, 7, 8, 10, 11, 14, 16, 21, 22) Hamilton, Ont.
Domtar Chemicals Ltd. (Metal Powders Div.) ....	(4, 22) Lachine, Qué.
Dorr-Oliver-Long Ltd. ....	(2, 3, 5, 7, 8, 22, 23) Orillia, Ont.
Esco Ltd. ....	(2, 3, 4, 7, 11, 12, 21, 22) Port Coquitlam, B.C. — C.-B.
Ex-Cell-O Corporation of Canada Ltd. ....	(2, 3, 4, 7, 12, 22, 23) London, Ont.
Fahr alloy Canada Ltd. ....	(1, 2, 3, 4, 6, 7, 8, 9, 10, 12, 14, 15, 16, 17, 19, 20, 21, 22) Orillia, Ont.
Findlay Foundry Ltd. ....	(2, 7) Carleton Place, Ont.
Fittings Limited ....	(1, 3, 7) Oshawa, Ont.
Fonderie Magog Ltée. ....	(2, 3, 4, 7, 11, 17, 22) Magog, Qué.
Foothills Steel Foundry & Iron Works Ltd. (Irving Industries) ....	(1, 2, 3, 4, 6, 7, 10, 11, 12, 15, 16, 17, 22) Calgary, Alta. — Alb.

List of Reporting Consumers - Continued  
Liste des consommateurs répondants - suite

Name — Nom	Plant Location — Localisation de l'usine
Ford Motor Co. of Canada Ltd. .... (2, 3, 7, 14, 21)	Windsor, Ont.
Foseco Canada Ltd. .... (7, 15, 21)	Guelph, Ont.
Galt Malleable Iron Ltd. .... (3, 5, 7, 14, 23)	Galt, Ont.
General Motors of Canada Ltd. .... (2, 3, 7, 13, 14, 23)	St. Catharines, Ont.
Griffin Steel Foundries Ltd. .... (3, 7, 15) ..... (2, 3, 7, 15)	St-Hyacinthe, Qué. Transcona, Man.
Grinnell Co. of Canada Limited .... (7)	Toronto, Ont.
Hawker Siddeley Canada Ltd. (Canadian Steel Foundry Division) .... (2, 3, 4, 7, 8, 10, 11, 12, 15, 16, 18, 21, 22)	Montréal, Qué.
Hepburn, John T. Limited .... (2, 3, 4, 7, 22)	Toronto, Ont.
Holmes Foundry Limited .... (2, 3, 7, 13, 14, 22)	Sarnia, Ont.
Indiana Steel Products Co. of Canada Ltd., The .... (2, 3, 4, 7, 9, 15, 17, 18, 19, 22)	Kitchener, Ont.
International Malleable Iron Co. Ltd. .... (1, 3, 7)	Guelph, Ont.
Kelsey Hayes Canada Limited .... (3, 4, 7, 18, 23)	Woodstock, Ont.
La Fonderie Ste-Croix Ltée. .... (3, 7, 14)	Ste-Croix, Qué.
La Fonderie de Thetford (1969) Inc. .... (2, 3, 7)	Thetford Mines, Qué.
Légaré Foundry 1961 Ltd. .... (2, 3, 7, 22)	Sherbrooke, Qué.
Letson & Burpee Ltd. .... (2, 3, 4, 7, 10, 14, 22)	Vancouver, B.C. - C.-B.
Lynn MacLeod Metallurgy Ltd. .... (2, 3, 4, 7, 12, 15, 16, 22)	Thetford Mines, Qué.
M.B.E. Limited .... (2, 3, 4, 7, 22)	Winnipeg, Man.
Manitoba Rolling Mills (Division of Dominion Bridge Co. Ltd.) .... (2, 3, 4, 5, 7, 9, 10, 12, 14, 15, 18, 22, 23)	Selkirk, Man.
Maritime Steel and Foundries Ltd. .... (2, 3, 4, 15, 16, 20, 22)	New Glasgow, N.S. - N.-É.
Massey-Ferguson Industries Ltd. .... (2, 4, 7, 12, 13, 14)	Brantford, Ont.
Masterloy Products Ltd. .... (7, 15, 21, 22)	Ottawa, Ont.
McAvity, T., & Sons Ltd. .... (3, 7, 22)	Saint John, N.B.
Midland Ross of Canada Ltd. (Unitcast Div.) .... (2, 3, 4, 10, 12, 15, 16, 21, 22)	Sherbrooke, Qué.
Monsarrat Machinery & Foundries Ltd. .... (7)	Rivière-du-Loup, Qué.
Mueller Limited .... (3, 7)	St-Jérôme, Qué.
Noranda Metal Industries Ltd. .... (20, 22)	Montréal, Qué.
Ontario Malleable Iron Co. Ltd. .... (7, 8, 12, 23)	Oshawa, Ont.

List of Reporting Consumers - Concluded  
Liste des consommateurs répondants - fin

Name — Nom		Plant Location — Localisation de l'usine
Otaco Ltd., The .....	(7, 14, 23)	Orillia, Ont.
Quality Steel Foundries Ltd. ....	(2, 3, 7, 15, 22)	Edmonton, Alta. - Alb.
Quebec Iron Foundries Ltd. ....	(2, 3, 7, 22) (2, 7, 22)	Mont Joli, Qué. Noranda, Qué.
Reliance Foundry Co. Ltd. ....	(1, 2, 3, 4, 7, 15, 22)	Surrey, B.C. - C.-B.
Rockwell Mfg. Co. of Canada Ltd. ....	(7, 14)	Guelph, Ont.
Sidbec-Dosco Ltd. ....	(2, 3, 4, 5, 7, 10, 12, 14, 15, 17, 22)	Montréal, Qué.
Sorel Steel Foundries Ltd. ....	(2, 3, 7, 12, 15, 17, 21, 22)	Sorel, Qué.
Steel Co. of Canada Ltd., The .....	(1, 2, 3, 5, 7, 8, 10, 12, 14, 15, 17, 21, 22, 23)	Hamilton, Ont.
Stephens-Adamson Mfg. Co. of Canada Ltd. ....	(2, 7, 22)	Belleville, Ont.
Sydney Steel Corporation ....	(2, 3, 4, 5, 7, 10, 12, 14, 15, 22, 23)	Sydney, N.S. - N.-É.
Terminal City Iron Works Ltd. ....	(7)	Vancouver, B.C. - C.-B.
Usarco Ltd. ....	(3, 20)	Hamilton, Ont.
Vancouver Steel Co. Ltd. ....	(2, 3, 4, 7, 10, 12, 14, 15, 22)	Vancouver, B.C. - C.-B.
Wabi Iron Works Ltd., The ....	(2, 3, 4, 7, 14, 22)	New Liskeard, Ont.
Wall Colmonoy (Canada) Ltd. ....	(7, 15, 22)	Montréal-Est, Qué.
Welland Iron & Brass Ltd. ....	(2, 3, 7)	Welland, Ont.
Welmet Industries Ltd. ....	(2, 3, 4, 6, 7, 9, 10, 12, 14, 21 22)	Welland, Ont.
Western Foundry ....	(4, 7)	Wingham, Ont.

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