

Sierra Leone

Basic statistics

Current diversification (number of products)	2,216	Potential new products more complex (percentage)	75
Potential new products	4,368	Export opportunity in more complex products (percentage)	46
Potential new products more complex than the country's average	3,267	Import replacement opportunity in more complex products (percentage)	.

Potential new sectors for diversification (All products)

Sectors with higher export opportunities (percentage of export opportunities)

Product	Percent
Machinery & mech appliance etc	11
Plastics and articles thereof	8
Iron and steel	7
Electrical, electronic equipment	6
Optical, photo, technical, medical, etc apparatus	6
Organic chemicals	6
Vehicles other than railway, tramway	4
Articles of iron or steel	3
Pharmaceutical products	3
Miscellaneous chemical products	3
Sum of others with smaller share	43

Top markets for potential new products (percentage of export opportunities)

By countries

Country	Percent
USA	14
China	7
France	6
Germany	5
Thailand	4
United Kingdom	4
Belgium	3
Japan	3
Italy	3
Netherlands	3
Rep. of Korea	3
India	3
Others	28

By regions

Region	Percent
Asia	36
Western Europe	20
Northern America	15
Eastern Europe	7
Northern Europe	7
Southern Europe	7
South America	3

Potential new sectors for diversification (Agri-business products)

Sectors with higher export opportunities (percentage of export opportunities in agri-business)

Product	Percent
Dairy products, eggs, honey, edible animal products	19

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Edible fruit, nuts, peel of citrus fruit, melons	14
Cereals	12
Cereal, flour, starch, milk preparations and products	8
Beverages, spirits and vinegar	7
Animal,vegetable fats and oils, cleavage products, etc	6
Meat and edible meat offal	6
Vegetable, fruit, nut, etc food preparations	5
Tobacco and manufactured tobacco substitutes	4
Oil seed, oleagic fruits, grain, seed, fruit, etc, nes	4
Meat, fish and seafood food preparations nes	3
Sugars and sugar confectionery	2
Miscellaneous edible preparations	2
Milling products, malt, starches, inulin, wheat gluten	2
Sum of others with smaller share	6

Top markets for potential new agri-business products (percentage of export opportunities)

By countries

Country	Percent
USA	13
China	9
Germany	8

By regions

Region	Percent
Asia	34
Western Europe	21
Northern America	14

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United Kingdom	6	Northern Europe	11
France	5	Eastern Europe	7
Russian Federation	4	Southern Europe	6
China, Hong Kong SAR	4		
Netherlands	4		
Italy	3		
Viet Nam	3		
Others	25		

Potential new products for diversification

Potential new products with higher export opportunity and top 3 growing markets

Product category	(HS code) Product description, unit price range	Top growing markets (USD million)			Export opportunity (USD million)
		#1	#2	#3	
Organic chemicals	(293339) Heterocyclic compounds with unfused pyridine ring, nes, \$25-354	US 671.9	ES 265	DE 106.8	1408.6
	(290121) Ethylene, \$0-6	BE 646.9	NL 163.6	DE 59.9	969.3
	(293390) Heterocyclic compounds with N-hetero-atom(s) only, ne, \$23-278	AE 102	US 100.8	NL 86.8	811.0
	(293490) Heterocyclic compounds, nes, \$326-777	DE 165.8	RU 152.6	CA 117.7	711.5
	(290220) Benzene, \$0-13	BE 331.1	ES 233.1	SA 56.2	706.8

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Pharmaceutical products	(300220) Vaccines, human use, \$154-845	BE 2807	GB 261.6	VN 136.5	3846.7
	(300439) Hormones nes, except contraceptives, in dosage, \$505-1158	US 844.6	IT 451.6	DE 321.4	2570.1
	(300432) Adrenal cortical hormones, in dosage, \$55-219	US 345	RU 81.3	VN 40.9	789.0
	(300431) Insulin, in dosage, \$99-344	CN 253.2	DE 81.2	RO 44.5	728.8
	(300432) Adrenal cortical hormones, in dosage, \$219-467	FR 325.8	BE 70.7	GB 48.9	693.9
Miscellaneous chemical products	(381512) Supported catalysts, precious metal based, \$39-204	DE 364.1	PT 209.7	NL 171.6	1825.6
	(381800) Chemical element/compound wafers doped for electronic, \$45-743	TH 316.9	CN 298.1	PH 76.1	846.8
	(380820) Fungicides, packaged for retail sale, \$17-36	DE 254.9	BR 168	UA 94.7	810.1
	(380810) Insecticides, packaged for retail sale, \$28-63	BR 284.1	FR 98.3	IN 67.9	736.0
	(380830) Herbicides, sprouting and growth regulators, \$4-18	TH 185.5	ES 103.4	IT 53.1	708.3
Plastics and articles thereof	(390120) Polyethylene - specific gravity >0.94 in primary form, \$1-1	SG 758.4	RU 257.7	BE 207.5	2290.7
	(390190) Polymers of ethylene nes, in primary forms, \$0-1	CN 774.1	BR 202.9	MY 159.3	1671.2
	(390230) Propylene copolymers in primary forms, \$0-1	CN 741.4	NL 88.1	IT 85.1	1132.3
	(390410) Polyvinyl chloride in primary forms, \$0-1	KW 218.2	IN 142.5	TR 101.4	1128.0

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	(392062) Sheet/film not cellular/reinf polyethylene terephthal, \$9-21	CN 1009.9	KR 45.1	MY 30.7	1113.7
Iron and steel	(721049) Flat rolled iron or non-alloy steel, coated with zinc, width >600mm, ne, \$0-0	FR 787.5	ES 180	BE 108.3	1826.6
	(721049) Flat rolled iron or non-alloy steel, coated with zinc, width >600mm, ne, \$0-1	TH 558.3	JP 485.6	IT 161.7	1586.8
	(720824) Hot rolled iron or non-alloy steel, coil,width >600mm, t <3mm thick, ne, \$0-0	VN 655.6	JP 268	PH 69.7	1370.0
	(722590) Flat rolled alloy-steel, width >600mm, nes, \$0-2	TH 391.9	GB 141.3	NL 128.1	1181.5
	(720923) Cold rolled iron or non-alloy steel, coil, width >600mm, t 0.5-1mm, nes, \$0-0	TH 347.6	JP 205.1	BE 133.5	1065.9
Articles of iron or steel	(730820) Towers and lattice masts, iron or steel, \$1-7	US 266	PH 107.1	LA 68.2	891.4
	(732290) Non-electric heaters (with fan), parts, of iron/steel, \$10-37	US 629.5	KZ 5.6	NL 4.8	677.7
	(730410) Pipes, line, iron or steel, for oil or gas pipelines, \$0-1	AE 171.9	VN 65.1	CO 34.4	449.3
	(730810) Bridges and bridge sections, iron or steel, \$2-7	LK 128.4	PH 66.1	ZM 48.9	390.1
	(731021) Cans, iron/steel, capacity <50l closed by crimp/solde, \$0-2	NL 112.6	FR 108.1	BE 18	308.8
Machinery & mech appliance etc	(840820) Engines, diesel, for motor vehicles, \$771-6587	BE 701.9	AT 433	PT 416.2	3241.6
	(840734) Engines, spark-ignition reciprocating, over 1000 cc, \$582-2464	US 1239.3	FR 460.8	CZ 179.3	2916.2

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	(847989) Machines and mechanical appliances nes, \$2729-6609	JP 178.9	AE 171.9	IT 148.4	1135.4
	(842810) Lifts and skip hoists, \$10135-20661	RU 278.1	SG 55.5	FR 43.4	848.3
	(848071) Moulds, injection & compression, for rubber or plasti, \$18-94	TH 196.8	CZ 160.8	IN 96.4	823.2
Electrical, electronic equipment	(852692) Radio remote control apparatus, \$0-11	US 1157	BR 3.5	AR 2.2	1168.6
	(854290) Parts of electronic integrated circuits etc, \$1258-3160	IN 923.9	HK 172.1	FR 16.5	1148.8
	(854511) Carbon and graphite furnace electrodes, \$0-5	RU 155.3	IT 64.9	IN 61.5	712.3
	(850790) Parts of electric accumulators, including separators, \$5-42	PL 228	DE 176.2	TH 101.9	659.1
	(852721) Radio receivers, external power,sound reproduce/recor, \$74-238	US 150.3	FR 125	RU 93.9	570.8
Vehicles other than railway, tramway	(870120) Road tractors for semi-trailers (truck tractors), \$17940-76646	PL 1140.1	IT 683.2	DE 528.7	5164.4
	(870210) Diesel powered buses, \$16515-95900	PH 634.8	TH 199.9	EG 145.9	1549.8
	(871190) Motorcycles with other than a spark ignition engine, \$303-1677	DE 359.3	NL 175.8	FR 92.8	1029.9
	(870600) Motor vehicle chassis fitted with engine, \$2299-71767	NG 387.2	FR 87.5	PH 68.5	884.4
	(870510) Mobile cranes, \$33973-229543	KZ 48.5	UZ 48.4	KR 47.8	395.7

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Optical, photo, technical, medical, etc apparatus	(901839) Needles, catheters, cannulae etc, (medical), \$0-28	US 1319.4	CN 444.9	TH 61.5	1964.2
	(901819) Electro-diagnostic apparatus, nes, \$0-65	CN 803.6	BR 131.9	EG 64.2	1051.3
	(902130) Artificial body parts, aids and appliances, etc, \$1093-2367	DE 668.3	JP 115.7	KR 88.2	1011.2
	(902211) Medical X-ray apparatus, \$4661-51451	US 233.5	FR 123.5	DE 101.9	996.0
	(900130) Contact lenses, \$0-1	US 445.7	JP 124.8	BE 79.7	886.2

Potential new agri-business products with higher export opportunity and top 3 growing markets

Product category	(HS code) Product description, unit price range	Top growing markets (USD million)			Export opportunity (USD million)
		#1	#2	#3	
Meat and edible meat offal	(020319) Swine cuts, fresh or chilled, nes, \$2-4	AT 213.7	JP 129.5	RO 110.1	1216.6
	(020220) Bovine cuts bone in, frozen, \$3-9	CN 225.5	KR 153.3	AE 6.1	411.8
	(020900) Pig and poultry fat, unrendered, \$0-1	CN 148.7	BE 14.1	JP 13.8	271.3
	(021090) Meat and edible meat offal cured, flours, meals nes, \$2-12	GB 18.2	HR 4	IT 1.9	35.5
	(020743) Duck, goose, guinea fowl cuts, offal not liver, froze, \$3-10	HK 9.6	TH 2.5	AT 2.3	20.6
Dairy products, eggs, honey, edible animal products	(040210) Milk powder < 1.5% fat, \$2-3	CN 286.7	PH 252.3	ID 143.6	1495.9

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	(040690) Cheese except fresh, grated, processed or blue-veined, \$8-14	FR 267	US 206.6	DE 75.8	745.8
	(040500) Butter and other fats and oils derived from milk, \$4-6	RU 237.4	JP 34.3	ID 22.2	490.6
	(040700) Birds eggs, in shell, fresh, preserved or cooked, \$1-5	SG 127.4	HK 103.6	NL 53.5	417.5
	(040390) Buttermilk, curdled milk, cream, kephir, etc., \$1-3	RU 145.1	IT 67.8	GB 48.8	396.6
Edible fruit, nuts, peel of citrus fruit, melons	(080212) Almonds, fresh or dried, shelled, \$6-9	IT 236.4	NL 172.7	AE 93.8	1082.5
	(080250) Pistachios, fresh or dried, \$7-19	HK 478.7	TR 95.8	ES 34	835.6
	(081020) Raspberry, blackberry, mulberry and loganberry, fresh, \$4-12	US 276	GB 57.5	DE 42.4	518.8
	(080920) Cherries, fresh, \$2-7	HK 199.4	CN 129.1	VN 15.3	462.7
	(081010) Strawberries, fresh, \$2-7	US 293.1	GB 18.6	NL 18.2	427.7
Cereals	(100190) Wheat except durum wheat, and meslin, \$0-0	VN 503.4	LK 298.6	MA 152.2	2310.3
	(100300) Barley, \$0-0	CN 210.4	ES 155.8	BE 104.1	771.1
	(100300) Barley, \$0-1	DE 178.4	JO 131.5	QA 76	743.2
	(100630) Rice, semi-milled or wholly milled, \$1-3	SE 3.7	CN 3.5	US 2.3	25.6
	(100810) Buckwheat, \$0-2	FR 1.9	ES 1.2	KR .9	6.4

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Milling products, malt, starches, inulin, wheat gluten	(110813) Potato starch, \$0-0	NL 49.3	GB 37.7	KR 30.5	205.4
	(110900) Wheat gluten, \$0-1	NO 61.7	FR 40.7	NL 19.9	176.4
	(110412) Oats, rolled or flaked grains, \$0-2	US 111.6	VN 17.1	DE 8.3	170.3
	(110520) Potato flakes, granules and pellets, \$1-2	CA 17.5	MY 6.6	JP 5	79.1
	(110812) Maize (corn) starch, \$0-1	DE 9.7	BE 6.1	NL 5.3	56.1
Oil seed, oleagic fruits, grain, seed, fruit, etc, nes	(120500) Rape or colza seeds, \$0-8	DE 741.5	US 227	GB 42.4	1102.2
	(120929) Seed, forage plants, for sowing nes, \$1-7	NL 4.6	DE 3.6	PL 2.8	32.1
	(120930) Seed, flower, for sowing, \$0-26	FR 6.4	CN 2.3	CA 1.6	20.5
	(120750) Mustard seeds, \$0-3	JP 4.3	DE 4.2	TH 2.6	18.1
	(120810) Soya bean flour or meal, \$0-3	AU 3.7	SE 2.8	CA 1.5	16.9
Animal,vegetable fats and oils, cleavage products, etc	(151800) Processed animal, vegetable oils, industrial preps ne, \$0-4	SG 158.4	GB 88.1	AT 32	384.2
	(150420) Fish oils except liver, not chemically modified, \$1-19	NO 144.6	CN 45.6	KR 30.9	329.4
	(151219) Sunflower or safflower oil, fractions simply refined, \$0-2	BE 34	PT 24.6	AF 23.2	258.6
	(151490) Canola, rape, colza or mustard oil, fractions, refine, \$0-1	US 108.6	DE 20.4	AT 15.9	199.5
	(151410) Canola, rape, colza or mustard oil, crude, \$0-2	SE 52.8	CN 38.1	DK 29.6	155.7

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Meat, fish and seafood food preparations nes	(160415) Mackerel, prepared or preserved, not minced, \$2-8	JP 107.9	TH 31.3	NL 26.2	223.8
	(160241) Swine hams & cuts thereof, prepared or preserved, \$4-10	GB 62.3	CA 26.8	US 21.3	192.4
	(160419) Fish nes, prepared or preserved, not minced, \$0-3	FR 61	IT 23	CO 10	145.4
	(160250) Bovine meat, offal nes, not livers, prepared/preserve, \$3-8	GB 47.1	US 21.5	PL 6.7	139.1
	(160210) Homogenized preparations of meat and meat offal, \$2-8	SA 39.7	BE 10.5	DE 2.6	67.6
Sugars and sugar confectionery	(170230) Glucose, glucose syrup < 20% fructose, \$0-0	FR 85.8	VN 30.1	US 12.4	195.7
	(170210) Lactose and lactose syrup, \$1-5	IE 21.2	IN 19.7	BE 13.4	184.2
	(170230) Glucose, glucose syrup < 20% fructose, \$0-2	DE 35	US 15.4	FI 10.7	121.0
	(170220) Maple sugar and maple syrup, \$3-10	US 17.6	NL 5.8	DE 5.5	48.3
	(170290) Sugar nes, invert sugar, caramel and artificial honey, \$5-10	DK 19.7	SA 5.3	KR 4.6	38.9
Cereal, flour, starch, milk preparations and products	(190110) Infant foods of cereals, flour, starch or milk, retail, \$10-21	CN 657.8	KH 73.3	SA 68.9	898.6
	(190110) Infant foods of cereals, flour, starch or milk, retail, \$4-10	MO 181.1	VN 53.5	MY 32.9	604.8
	(190110) Infant foods of cereals, flour, starch or milk, retail, \$0-4	DE 118.6	NG 100.5	NL 48.3	465.0

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	(190190) Malt extract & limited cocoa pastrycooks products nes, \$4-8	NL 91.7	CN 32.5	HK 10.3	203.1
	(190540) Rusks, toasted bread and similar toasted products, \$2-4	AE 12.6	US 10.2	NL 9.4	79.0
Vegetable, fruit, nut, etc food preparations	(200830) Citrus fruits, otherwise prepared or preserved, \$1-4	US 227	DE 24.4	GB 22.3	332.6
	(200210) Tomatoes, whole/pieces, prepared/preserved, no vinega, \$0-2	GB 244.9	CZ 6.7	BE 5.1	282.1
	(200820) Pineapples, otherwise prepared or preserved, \$1-2	US 141.2	AU 6.3	JP 2.7	159.8
	(200570) Olives, prepared or preserved, not frozen/vinegar, \$1-3	IT 38.4	US 34.3	AL 12.4	145.1
	(200580) Sweet corn, prepared or preserved, not frozen/vinegar, \$1-2	ES 54.3	DE 13.9	JP 3.3	108.2
Miscellaneous edible preparations	(210220) Yeasts, inactive, dead unicellular organisms nes, \$2-17	US 52.6	NL 15.4	KR 5.7	115.1
	(210210) Yeasts, active, \$2-17	LK 10.4	US 9.8	UZ 9.4	94.9
	(210310) Soya sauce, \$1-4	US 17.8	IT 10.8	AT 3.3	72.2
	(210220) Yeasts, inactive, dead unicellular organisms nes, \$0-2	FR 32.4	AT 8	NL 2.7	63.7
	(210500) Ice cream and other edible ice, \$5-10	US 10.8	NL 8.9	HK 6.1	56.5
Beverages, spirits and vinegar	(220710) Undenatured ethyl alcohol > 80% by volume, \$0-1	DE 407.8	GB 375	NL 336.6	1714.8

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	(220820) Spirits obtained by distilling grape wine, grape marc, \$0-7	RU 284.9	FR 72.9	PH 23.9	432.9
	(220600) Fermented beverages (eg cider, perry, mead, etc), \$0-1	RU 43.9	GB 30.9	BW 13.7	133.4
	(220900) Vinegar and substitutes for vinegar from acetic acid, \$0-1	PT 2.5	NL 1	HU .8	9.8
Tobacco and tobacco substitutes	(240210) Cigars, cheroots and cigarillos, containing tobacco, \$51-173	US 1071.6	JP 81.9	RS 20.6	1216.1