

## Mali

### Basic statistics

Current diversification (number of products)	1,724	Potential new products more complex (percentage)	74
Potential new products	3,972	Export opportunity in more complex products (percentage)	43
Potential new products more complex than the country's average	2,944	Import replacement opportunity in more complex products (percentage)	37

### Potential new sectors for diversification (All products)

#### Sectors with higher export opportunities (percentage of export opportunities)

Product	Percent
Machinery & mech appliance etc	13
Plastics and articles thereof	9
Electrical, electronic equipment	7
Organic chemicals	6
Iron and steel	6
Optical, photo, technical, medical, etc apparatus	5
Articles of iron or steel	4
Paper & paperboard, articles of pulp, paper and board	3
Miscellaneous chemical products	3
Inorganic chemicals, precious metal compound, isotopes	2
Sum of others with smaller share	41

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

By countries

Country	Percent
USA	14
China	6
France	6
Germany	5
Thailand	4
United Kingdom	4
Netherlands	4
India	3
Rep. of Korea	3
Italy	3
Japan	3
Others	29

By regions

Region	Percent
Asia	36
Western Europe	20
Northern America	16
Eastern Europe	8
Southern Europe	7
Northern 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
Edible fruit, nuts, peel of citrus fruit, melons	16
Dairy products, eggs, honey, edible animal product nes	14

## Catalogue of Diversification Opportunities 2022

Residues, wastes of food industry, animal fodder	9
Cocoa and cocoa preparations	9
Animal,vegetable fats and oils, cleavage products, etc	8
Cereal, flour, starch, milk preparations and products	8
Meat, fish and seafood food preparations nes	7
Vegetable, fruit, nut, etc food preparations	5
Meat and edible meat offal	5
Cereals	4
Miscellaneous edible preparations	3
Sugars and sugar confectionery	3
Beverages, spirits and vinegar	2
Edible vegetables and certain roots and tubers	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	10
United Kingdom	7
China	6
Germany	6

#### By regions

Region	Percent
Asia	37
Western Europe	18
Northern America	12
Northern Europe	12

## Catalogue of Diversification Opportunities 2022

France	6	Eastern Europe	8
Japan	4	Southern Europe	6
Rep. of Korea	4		
Russian Federation	4		
China, Hong Kong SAR	3		
United Arab Emirates	3		
Italy	3		
Netherlands	3		
Philippines	3		
Others	27		

### 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	
Inorganic chemicals, precious metal compound, isotopes	(282590) Metal bases, oxides, hydroxides, peroxides, nes, \$1-25	KR 1123.4	JP 108.4	CA 41.3	1353.7
	(284190) Salts of oxymetallic or peroxometallic acids nes, \$3-27	KR 828.6	JP 303.3	US 19.6	1179.2
	(280300) Carbon (carbon blacks and other forms of carbon, nes), \$1-4	VN 183.7	US 113.6	FR 60.5	530.2
	(281512) Sodium hydroxide (caustic soda) in aqueous solution, \$0-0	FI 189.5	JM 96.6	AE 51.2	521.3

## Catalogue of Diversification Opportunities 2022

	(285100) Inorganic compounds, liquid/compressed air, amalgams nes, \$2-35	US 416.3	MY 28.2	JP 14.9	491.8
Organic chemicals	(293339) Heterocyclic compounds with unfused pyridine ring, nes, \$25-354	US 671.9	ES 265	DE 106.8	1408.6
	(293490) Heterocyclic compounds, nes, \$0-25	IN 298.8	NL 228.1	FR 131	896.3
	(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
	(290919) Acyclic ethers nes, derivatives of acyclic ethers, \$0-1	FR 260.9	MT 78.9	CN 45.8	638.0
Miscellaneous chemical products	(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
	(381590) Reaction initiators, accelerators, catalysts, nes, \$4-17	TH 392.4	KR 164	DE 19.7	680.3
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
	(390690) Acrylic polymers nes, in primary forms, \$0-1	FR 334.1	NL 198.2	ES 191.5	1294.5
	(390410) Polyvinyl chloride in primary forms, \$0-1	KW 218.2	IN 142.5	TR 101.4	1128.0

Catalogue of Diversification Opportunities 2022

	(390720) Polyethers nes, in primary forms, \$1-4	DE 249.3	BR 157.9	IN 103	1100.1
Paper & paperboard, articles of pulp, paper and board	(480100) Newsprint, \$0-3	US 1748.1	IT 250.9	DE 221.2	2871.7
	(480411) Paper, Kraftliner, unbleached, uncoated, \$0-0	CN 235.1	IT 170.7	TR 64.5	571.5
	(480100) Newsprint, \$0-0	IN 372.1	HU 21.5	TH 19.5	491.8
	(481091) Paper, multi-ply, clay coated, nes, \$0-1	DE 136.5	CA 72.6	TR 57	475.1
	(481139) Paper, coated, impregnated, covered with plastics, ne, \$2-5	TH 42.1	CA 41.9	US 40.7	414.9
Iron and steel	(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
	(720842) Hot rolled iron or non-alloy steel, flat,width >600mm, t >10mm, nes, \$0-1	KR 571.3	NL 248.9	IN 128.4	1397.4
	(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
	(720842) Hot rolled iron or non-alloy steel, flat,width >600mm, t >10mm, nes, \$0-0	VN 261.3	CN 171.3	DE 165.6	1220.9
	(722590) Flat rolled alloy-steel, width >600mm, nes, \$0-2	TH 391.9	GB 141.3	NL 128.1	1181.5
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

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	(730660) Hollow profiles/tubes, iron/steel, non-circular, welded, \$0-0	FR 301.7	SG 37.8	MM 18.6	490.0
	(730610) Pipe (oil/gas line) iron or steels, diameter <406m, \$1-9	EG 340.1	CA 30.2	NO 12	471.8
	(730410) Pipes, line, iron or steel, for oil or gas pipelines, \$0-1	AE 171.9	VN 65.1	CO 34.4	449.3
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
	(840733) Engines, spark-ignition reciprocating, 250-1000 cc, \$374-1939	ES 609.7	FR 214.3	TR 105.1	1260.9
	(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
Electrical, electronic equipment	(851290) Parts of cycle & vehicle light, signal, etc equipment, \$0-14	US 1677.9	FR 98.9	DE 62	1985.9
	(850980) Domestic appliances, with electric motor, nes, \$0-24	US 375.4	NL 255.7	DE 120.6	1072.4
	(851671) Electric coffee or tea makers, domestic, \$31-240	NL 156.5	US 126.2	PL 98	666.8
	(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
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

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	(902130) Artificial body parts, aids and appliances, etc, \$243-1093	NL 534	US 353.1	ES 106	1487.5
	(901390) Parts and accessories of optical appliances nes, \$683-1534	CN 1211.5	KR 44	GB 17.3	1325.9
	(902130) Artificial body parts, aids and appliances, etc, \$1093-2367	DE 668.3	JP 115.7	KR 88.2	1011.2
	(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
	(020629) Bovine edible offal, frozen except livers and tongues, \$1-3	ID 21.7	TH 13	CN 9.2	93.6
Dairy products, eggs, honey, edible animal products	(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
	(040610) Fresh cheese, unfermented whey cheese, curd, \$3-6	DE 61.3	IT 52.6	SA 45.9	393.7
Edible vegetables and certain roots and tubers	(070519) Lettuce, fresh or chilled except cabbage lettuce, \$1-4	CA 33.1	DE 7.4	IT 6.4	99.5

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	(070700) Cucumbers and gherkins, fresh or chilled, \$0-2	US 31	SK 7.5	KZ 5.6	75.5
	(071090) Frozen vegetable mixtures, uncooked, boiled or steamed, \$1-2	US 18.7	NL 5.4	DE 4.2	64.1
	(070511) Cabbage lettuce (head lettuce) fresh or chilled, \$0-3	PL 21.3	DE 18.1	US 4.3	63.1
	(070690) Beetroot, salsify, celeriac, radishes etc. fresh, chilled, \$0-0	FR 28.1	DE 5.3	RO 4.7	61.6
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
	(081010) Strawberries, fresh, \$2-7	US 293.1	GB 18.6	NL 18.2	427.7
	(080410) Dates, fresh or dried, \$1-6	AE 317.2	NL 22.5	GB 20.5	406.2
Cereals	(100300) Barley, \$0-1	DE 178.4	JO 131.5	QA 76	743.2
	(100620) Rice, husked (brown), \$0-2	KR 185.6	NE 41.5	IT 21.3	335.1
	(100200) Rye, \$0-1	US 75.3	BY 2.8	ES 2.7	88.4
	(100890) Cereals unmilled nes, \$1-4	US 10.9	DE 6.5	CN 5.8	66.7
	(100630) Rice, semi-milled or wholly milled, \$1-3	SE 3.7	CN 3.5	US 2.3	25.6

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Animal,vegetable fats and oils, cleavage products, etc	(150710) Soya-bean oil crude, whether or not degummed, \$0-1	CO 130.7	MA 46.8	ES 31.1	486.4
	(151800) Processed animal, vegetable oils, industrial preparations, \$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, refined, \$0-1	US 108.6	DE 20.4	AT 15.9	199.5
Meat, fish and seafood food preparations	(160239) Fowl, duck, goose, offal, prepared, preserved not live, \$3-6	JP 140.7	NL 48.3	IE 39.7	480.1
	(160520) Shrimps and prawns, prepared or preserved, \$7-15	DK 168.6	JP 92.5	CN 38	395.7
	(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
	(160249) Swine meat or offal, prepared, preserved, not live, \$3-8	US 33	GB 25.1	NL 23.1	187.2
Sugars and sugar confectionery	(170230) Glucose, glucose syrup < 20% fructose, \$0-0	FR 85.8	VN 30.1	US 12.4	195.7
	(170290) Sugar, invert sugar, caramel and artificial honey, \$0-1	CN 49.8	FR 38.5	PH 14.8	195.5
	(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
	(170410) Chewing gum containing sugar, except medicinal, \$2-10	AE 14.3	GB 6	UG 4.8	72.1

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Cocoa and cocoa preparations	(180310) Cocoa paste not defatted, \$3-5	RU 135.5	DE 58.3	FR 54.5	568.4
	(180620) Chocolate and other food preps containing cocoa > 2 k, \$2-7	JP 120.9	US 103.2	GB 67.4	550.4
	(180631) Chocolate, cocoa preps, block, slab, bar, filled, >2k, \$4-12	AE 137.6	GB 89.1	US 30.5	492.9
	(180400) Cocoa butter, fat, oil, \$0-5	FR 214.7	DE 65.4	CH 28.3	423.2
	(180620) Chocolate and other food preps containing cocoa > 2 k, \$0-2	US 59.1	ES 36.1	FR 34.1	250.0
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
	(190120) Mixes and doughs for bread, pastry, biscuits, etc., \$1-3	US 50.4	ES 24.6	GB 22.1	233.7
	(190540) Rusks, toasted bread and similar toasted products, \$2-4	AE 12.6	US 10.2	NL 9.4	79.0
	(190220) Stuffed pasta, \$2-5	GB 20	US 10.2	PL 7.4	77.0
Vegetable, fruit, nut, etc food preparations	(200210) Tomatoes, whole/pieces, prepared/preserved, no vinega, \$0-2	GB 244.9	CZ 6.7	BE 5.1	282.1
	(200970) Apple juice not fermented or spirited, \$0-0	DE 137.1	FR 86.1	DK 14.4	264.3
	(200970) Apple juice not fermented or spirited, \$0-1	JP 33	ZA 20.4	TR 18.3	124.9
	(200580) Sweet corn, prepared or preserved, not frozen/vinegar, \$1-2	ES 54.3	DE 13.9	JP 3.3	108.2
	(200110) Cucumbers, gherkins, prepared or preserved by vinegar, \$0-2	CA 18.7	DE 14.1	NL 7.2	75.4

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Miscellaneous edible preparations	(210500) Ice cream and other edible ice, \$2-5	CZ 23.4	GR 18	CN 14.8	176.4
	(210110) Coffee extracts, essences, concentrates, preparations, \$14-28	EC 19.8	CL 16.6	NL 15.6	133.6
	(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
Beverages, spirits and vinegar	(220720) Ethyl alcohol and other spirits, denatured, \$0-2	AE 91.8	GB 68.6	DE 57.3	390.9
	(220850) Gin and Geneva, \$0-7	FR 37.1	ZA 12.2	RU 11.9	82.2
	(220510) Vermouth and other flavoured grape wines - pack < 2l, \$2-6	US 17.7	ES 12.4	UA 6.8	67.1
	(220900) Vinegar and substitutes for vinegar from acetic acid, \$0-1	PT 2.5	NL 1	HU .8	9.8
Residues, wastes of food industry, animal fodder	(230400) Soya-bean oil-cake and other solid residues, \$0-0	KR 637.7	AU 357.8	PH 337.5	2222.2
	(230990) Animal feed preparations nes, \$4-9	ES 50.4	IN 37.4	PL 15.9	199.7
	(230690) Vegetable oil-cake and other solid residues nes, \$0-5	YE 25.9	IN 14.2	MY 13.8	70.6
	(230890) Vegetable wastes and residues nes for animal feed, \$0-2	NO 14.4	TH 6.5	CN 6.2	60.1