

## Papua New Guinea

### Basic statistics

Current diversification (number of products)	1,102	Potential new products more complex (percentage)	69
Potential new products	3,821	Export opportunity in more complex products (percentage)	36
Potential new products more complex than the country's average	2,628	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
Electrical, electronic equipment	9
Plastics and articles thereof	8
Iron and steel	6
Optical, photo, technical, medical, etc apparatus	6
Organic chemicals	6
Inorganic chemicals, precious metal compound, isotopes	3
Miscellaneous chemical products	3
Paper & paperboard, articles of pulp, paper and board	3
Articles of iron or steel	3
Sum of others with smaller share	41

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

By countries

Country	Percent
USA	14
France	7
China	6
Thailand	5
Germany	5
Netherlands	4
United Kingdom	3
India	3
Italy	3
Rep. of Korea	3
Japan	3
Others	29

By regions

Region	Percent
Asia	36
Western Europe	20
Northern America	16
Eastern Europe	8
Northern Europe	6
Southern Europe	6
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
Meat and edible meat offal	18
Edible fruit, nuts, peel of citrus fruit, melons	15

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Dairy products, eggs, honey, edible animal products	11
Cereals	11
Vegetable, fruit, nut, etc food preparations	7
Cereal, flour, starch, milk preparations and products	6
Oil seed, oleaginous fruits, grain, seed, fruit, etc, nes	6
Cocoa and cocoa preparations	5
Animal, vegetable fats and oils, cleavage products, etc	5
Meat, fish and seafood food preparations nes	4
Miscellaneous edible preparations	2
Residues, wastes of food industry, animal fodder	2
Sugars and sugar confectionery	2
Milling products, malt, starches, inulin, wheat gluten	2
Sum of others with smaller share	5

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

By countries

Country	Percent
China	15
USA	9
Germany	8
United Kingdom	6

By regions

Region	Percent
Asia	43
Western Europe	16
Northern America	11
Northern Europe	10

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Russian Federation	4	Eastern Europe	7
Japan	4	Southern Europe	5
Netherlands	4	South America	3
United Arab Emirates	3		
China, Hong Kong SAR	3		
Viet Nam	3		
Others	26		

### 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
	(285100) Inorganic compounds, liquid/compressed air, amalgams ne, \$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

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	(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
	(290122) Propene (propylene), \$0-7	US 191.3	FR 152	SK 97.5	645.0
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
	(390410) Polyvinyl chloride in primary forms, \$0-1	KW 218.2	IN 142.5	TR 101.4	1128.0
	(390720) Polyethers nes, in primary forms, \$1-4	DE 249.3	BR 157.9	IN 103	1100.1
	(390210) Polypropylene in primary forms, \$1-2	SG 357.8	BE 78.7	IN 64.7	939.2
Paper & paperboard, articles of pulp, paper and board	(480100) Newsprint, \$0-3	US 1748.1	IT 250.9	DE 221.2	2871.7

Catalogue of Diversification Opportunities 2022

	(480252) Paper, fine, woodfree, 40 - 150 g/m2, uncoated, \$0-0	FR 129.1	IN 110	LK 92	886.1
	(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
	(480560) Paper, weighing 150 g/m2 or less, uncoated, nes, \$0-1	PH 39.2	NZ 31.7	RU 29.3	333.7
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
	(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
	(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
	(730610) Pipe (oil/gas line) iron or steel nes, 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
	(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

Catalogue of Diversification Opportunities 2022

Machinery & mech appliance etc	(840734) Engines, spark-ignition reciprocating, over 1000 cc, \$582-2464	US 1239.3	FR 460.8	CZ 179.3	2916.2
	(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
	(840820) Engines, diesel, for motor vehicles, \$0-771	US 242	GB 208.1	SK 149.8	776.2
Electrical, electronic equipment	(854290) Parts of electronic integrated circuits etc, \$415-947	TH 2040.7	MY 301.3	HK 75.9	2481.0
	(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
	(854511) Carbon and graphite furnace electrodes, \$0-5	RU 155.3	IT 64.9	IN 61.5	712.3
	(851671) Electric coffee or tea makers, domestic, \$31-240	NL 156.5	US 126.2	PL 98	666.8
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
	(902130) Artificial body parts, aids and appliances, etc, \$243-1093	NL 534	US 353.1	ES 106	1487.5
	(902111) Artificial joints, \$346-1061	US 311.2	CH 261.6	NL 213.6	1206.8
	(901819) Electro-diagnostic apparatus, nes, \$0-65	CN 803.6	BR 131.9	EG 64.2	1051.3
	(902211) Medical X-ray apparatus, \$4661-51451	US 233.5	FR 123.5	DE 101.9	996.0

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	(020329) Swine cuts, frozen nes, \$2-3	CN 2807.3	AU 158.6	CL 142.5	3594.4
	(020319) Swine cuts, fresh or chilled, nes, \$2-4	AT 213.7	JP 129.5	RO 110.1	1216.6
	(020742) Turkey cuts & offal, except livers, frozen, \$1-4	CN 35	RO 5.2	PE 4.6	95.6
	(021090) Meat and edible meat offal cured, flours, meals nes, \$2-12	GB 18.2	HR 4	IT 1.9	35.5
	(021020) Bovine meat salted, dried or smoked, \$6-22	ES 8.5	IT 4.2	GB 3.8	23.1
Dairy products, eggs, honey, edible animal product nes	(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
	(040310) Yogurt, \$1-4	GB 168.6	RU 32.5	FI 29.2	336.6
	(040130) Milk and cream not concentrated nor sweetened < 6% fa, \$1-3	CN 95.9	GB 60.7	RU 50.7	294.5
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



## Catalogue of Diversification Opportunities 2022

	(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	(100190) Wheat except durum wheat, and meslin, \$0-0	VN 503.4	LK 298.6	MA 152.2	2310.3
	(100300) Barley, \$0-1	DE 178.4	JO 131.5	QA 76	743.2
Milling products, malt, starches, inulin, wheat gluten	(110813) Potato starch, \$0-0	NL 49.3	GB 37.7	KR 30.5	205.4
	(110412) Oats, rolled or flaked grains, \$0-2	US 111.6	VN 17.1	DE 8.3	170.3
	(110813) Potato starch, \$0-2	US 22.6	PE 10.3	ID 8.5	78.4
	(110812) Maize (corn) starch, \$0-1	DE 9.7	BE 6.1	NL 5.3	56.1
	(110419) Cereals, rolled or flaked grains nes, \$0-0	IE 5.7	CY 4.9	FR 4.2	30.1
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
	(120100) Soya beans, \$0-2	IN 96	NP 71.6	US 43.4	320.4
	(121490) Other fodder and forage products, roots, etc., \$0-1	CN 95.9	JP 91.7	KR 49.2	308.5

## Catalogue of Diversification Opportunities 2022

	(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
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
	(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
	(150910) Olive oil, virgin, \$3-8	CH 47.1	JP 32.4	CN 9.7	117.1
Meat, fish and seafood food preparations nes	(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
	(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
	(160416) Anchovies, prepared or preserved, not minced, \$7-16	GB 10.5	ES 8.7	DE 4.2	28.6
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

Catalogue of Diversification Opportunities 2022

	(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
	(170220) Maple sugar and maple syrup, \$3-10	US 17.6	NL 5.8	DE 5.5	48.3
Cocoa and cocoa preparations	(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
	(180620) Chocolate and other food preps containing cocoa > 2 k, \$0-2	US 59.1	ES 36.1	FR 34.1	250.0
	(180610) Cocoa powder, sweetened, \$2-8	NL 5.8	AT 5	TH 3.5	36.2
	(180620) Chocolate and other food preps containing cocoa > 2 k, \$7-14	HK 5.9	AE 4.2	SG 3	24.1
Cereal, flour, starch, milk preparations and products	(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
	(190120) Mixes and doughs for bread, pastry, biscuits, etc., \$1-3	US 50.4	ES 24.6	GB 22.1	233.7
	(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

## Catalogue of Diversification Opportunities 2022

Vegetable, fruit, nut, etc food preparations	(200410) Potatoes, prepared, frozen, \$0-2	SA 56	JP 49.4	BR 49.4	620.0
	(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
	(200490) Vegetables nes and mixtures, prepared, frozen, \$1-4	JP 32.4	US 22.9	GB 14.8	136.9
	(200970) Apple juice not fermented or spirited, \$0-1	JP 33	ZA 20.4	TR 18.3	124.9
Miscellaneous edible preparations	(210500) Ice cream and other edible ice, \$2-5	CZ 23.4	GR 18	CN 14.8	176.4
	(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
	(210220) Yeasts, inactive, dead unicellular organisms nes, \$0-2	FR 32.4	AT 8	NL 2.7	63.7
	(210120) Tea and mate extracts, essences and concentrates, \$20-46	NL 36.9	PH 3	EC 2.6	53.3
Residues, wastes of food industry, animal fodder	(230120) Flour or meal, pellet, fish, etc, for animal feed, \$1-1	US 40	KR 39.9	JP 39.4	279.7
	(230990) Animal feed preparations nes, \$4-9	ES 50.4	IN 37.4	PL 15.9	199.7
	(230890) Vegetable wastes and residues nes for animal feed, \$0-2	NO 14.4	TH 6.5	CN 6.2	60.1