

Annex 2 – Standard Industrial Classification (SIC) Codes of Businesses in Scope

Allocating sector (SIC code) usage of the commodity:

Each industry sector likely to be using or trading in the priority forest risk commodities in some form (raw or embedded) has been identified and included in analysis. This judgement carries higher uncertainty for those commodities with multiple industrial applications.

Specific SIC codes included (and omitted) for each of the seven key forest risk commodities are detailed below. All data from Office for National Statistics as at March 2019.

Beef and Leather

0141 : Raising of dairy cattle

0142 : Raising of other cattle and buffaloes

0149 : Raising of other animals

0150 : Mixed farming

1011 : Processing and preserving of meat

1013 : Production of meat and poultry meat products

1031 : Processing and preserving of potatoes

1041 : Manufacture of oils and fats

1051 : Operation of dairies and cheese making

1052 : Manufacture of ice cream

1061 : Manufacture of grain mill products

1071 : Manufacture of bread; manufacture of fresh pastry goods and cakes

1084 : Manufacture of condiments and seasonings

1085 : Manufacture of prepared meals and dishes

1086 : Manufacture of homogenised food preparations and dietetic food

1089 : Manufacture of other food products n.e.c.

1092 : Manufacture of prepared pet foods

1330 : Finishing of textiles

1411 : Manufacture of leather clothes

1419 : Manufacture of other wearing apparel and accessories

1511 : Tanning and dressing of leather; dressing and dyeing of fur

1512 : Manufacture of luggage; handbags and the like; saddlery and harness

1520 : Manufacture of footwear

1920 : Manufacture of refined petroleum products

2014 : Manufacture of other organic basic chemicals

2059 : Manufacture of other chemical products n.e.c.

2910 : Manufacture of motor vehicles

2920 : Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers

2932 : Manufacture of other parts and accessories for motor vehicles

3011 : Building of ships and floating structures

3012 : Building of pleasure and sporting boats

3030 : Manufacture of air and spacecraft and related machinery

3101 : Manufacture of office and shop furniture

3109 : Manufacture of other furniture

3230 : Manufacture of sports goods

4511 : Sale of cars and light motor vehicles

4519 : Sale of other motor vehicles

4611 : Agents involved in the sale of agricultural raw materials; live animals; textile raw materials and semi-finished goods

4612 : Agents involved in the sale of fuels; ores; metals and industrial chemicals

4615 : Agents involved in the sale of furniture; household goods; hardware and ironmongery

4616 : Agents involved in the sale of textiles; clothing; fur; footwear and leather goods

4617 : Agents involved in the sale of food; beverages and tobacco

4623 : Wholesale of live animals

4623 : Wholesale of live animals

4624 : Wholesale of hides; skins and leather

4632 : Wholesale of meat and meat products

4633 : Wholesale of dairy products; eggs and edible oils and fats

4638 : Wholesale of other food; including fish; crustaceans and molluscs

4639 : Non-specialised wholesale of food; beverages and tobacco

4642 : Wholesale of clothing and footwear

4647 : Wholesale of furniture; carpets and lighting equipment

4649 : Wholesale of other household goods

4671 : Wholesale of solid; liquid and gaseous fuels and related products

4676 : Wholesale of other intermediate products

4677 : Wholesale of waste and scrap

4711 : Retail sale in non-specialised stores with food; beverages or tobacco predominating

4719 : Other retail sale in non-specialised stores

4722 : Retail sale of meat and meat products in specialised stores

4724 : Retail sale of bread; cakes; flour confectionery and sugar confectionery in specialised stores

4729 : Other retail sale of food in specialised stores

4730 : Retail sale of automotive fuel in specialised stores

4759 : Retail sale of furniture; lighting equipment and other household articles in specialised stores

4764 : Retail sale of sporting equipment in specialised stores

4771 : Retail sale of clothing in specialised stores

4772 : Retail sale of footwear and leather goods in specialised stores

4776 : Retail sale of flowers; plants; seeds; fertilisers; pet animals and pet food in specialised stores

4781 : Retail sale via stalls and markets of food; beverages and tobacco products

4782 : Retail sale via stalls and markets of textiles; clothing and footwear

4791 : Retail sale via mail order houses or via Internet

4910 : Passenger rail transport; interurban

4931 : Urban and suburban passenger land transport

5010 : Sea and coastal passenger water transport

5030 : Inland passenger water transport

5110 : Passenger air transport

5221 : Service activities incidental to land transportation

5222 : Service activities incidental to water transportation

5223 : Service activities incidental to air transportation

5510 : Hotels and similar accommodation

5520 : Holiday and other short-stay accommodation

5530 : Camping grounds; recreational vehicle parks and trailer parks

5590 : Other accommodation

5610 : Restaurants and mobile food service activities

5621 : Event catering activities

5629 : Other food service activities

5630 : Beverage serving activities

5914 : Motion picture projection activities

7410 : Specialised design activities

7711 : Renting and leasing of cars and light motor vehicles

7721 : Renting and leasing of recreational and sports goods

7729 : Renting and leasing of other personal and household goods

7734 : Renting and leasing of water transport equipment

7735 : Renting and leasing of air transport equipment

8411 : General public administration activities

8412 : Regulation of the activities of providing health care; education; cultural services and other social services; excluding social security

8413 : Regulation of and contribution to more efficient operation of businesses

8421 : Foreign affairs

8422 : Defence activities

8423 : Justice and judicial activities

8424 : Public order and safety activities

8425 : Fire service activities

8430 : Compulsory social security activities

8510 : Pre-primary education

8520 : Primary education

8531 : General secondary education

8532 : Technical and vocational secondary education
8541 : Post-secondary non-tertiary education
8542 : Tertiary education
8559 : Other education n.e.c.
8610 : Hospital activities
8690 : Other human health activities
8710 : Residential nursing care activities
8720 : Residential care activities for mental retardation; mental health and substance abuse
8730 : Residential care activities for the elderly and disabled
8790 : Other residential care activities
8810 : Social work activities without accommodation for the elderly and disabled
8891 : Child day-care activities
8899 : Other social work activities without accommodation n.e.c.
9002 : Support activities to performing arts
9004 : Operation of arts facilities
9102 : Museum activities
9103 : Operation of historical sites and buildings and similar visitor attractions
9104 : Botanical and zoological gardens and nature reserves activities
9311 : Operation of sports facilities
9319 : Other sports activities
9321 : Activities of amusement parks and theme parks
9329 : Other amusement and recreation activities
9523 : Repair of footwear and leather goods
9524 : Repair of furniture and home furnishings
9525 : Repair of watches; clocks and jewellery
9900 : Activities of extraterritorial organisations and bodies

Leather and Beef-related sectors not included in the current ONS data analysis:

Pre-cattle slaughter - No significant leather-using sectors were omitted in the analysis. However, it was decided to only include UK companies involved in activities from point of cattle slaughter onwards. The import and wholesale of live cattle and

rearing of cattle (for beef or dairy) in the UK is not included in the company figures for leather.

Leather other than bovine - Only bovine leather is in scope. Bovine is narrowly defined in this instance, in line with Eurostat = "a domestic animal of the species *Bos taurus* (cattle) or *Bubalus bubalis* (water buffalo), and also includes hybrids like Beefalo". It does not include all the species within the biological subfamily Bovinae.

Pharmaceuticals - Use of bovine derived content (e.g. gelatine) within pharmaceuticals is omitted from the current analysis due to lack of certainty regarding the range and commonality of use.

Farm animal feed and aquaculture feed - Use of bovine derived content within pet food is included in the company data for beef. However, due to uncertainties over the extent to which any bovine derived content is currently allowed in farm animal and aquaculture feed, these activities were omitted from the current analysis.

Bovine slaughter by-products: use in food production for human consumption - Use of tallow, suet and gelatine in food production for human consumption is included in the company data for beef as these uses were well documented. Other potential bovine derived derivatives were not included due to lack of certainty regarding the range and commonality of uses e.g. bone char in sugar production.

Bovine slaughter by-products: use in personal care and hygiene products - Use of tallow and other bovine slaughter by-products within personal care was omitted due to lack of certainty regarding the commonality of use within the sector.

Bovine slaughter by-products: use in polymer and other minor applications - Use of tallow and other bovine slaughter by-products within biofuels is included in the company data for beef. Use in other applications was omitted either due to lack of certainty or low threshold use within a broad SIC code e.g. tallow derived lubricants in bank notes and plastic bags, potentially candles, crayons.

Cocoa

1041 : Manufacture of oils and fats

1051 : Operation of dairies and cheese making

1052 : Manufacture of ice cream

1071 : Manufacture of bread; manufacture of fresh pastry goods and cakes

1072 : Manufacture of rusks and biscuits; manufacture of preserved pastry goods and cakes

1082 : Manufacture of cocoa; chocolate and sugar confectionery

2041 : Manufacture of soap and detergents; cleaning and polishing preparations

2042 : Manufacture of perfumes and toilet preparations

4611 : Agents involved in the sale of agricultural raw materials; live animals; textile raw materials and semi-finished goods

4617 : Agents involved in the sale of food; beverages and tobacco

4618 : Agents specialised in the sale of other particular products

4619 : Agents involved in the sale of a variety of goods

4636 : Wholesale of sugar and chocolate and sugar confectionery

4637 : Wholesale of coffee; tea; cocoa and spices

4639 : Non-specialised wholesale of food; beverages and tobacco

4645 : Wholesale of perfume and cosmetics

4649 : Wholesale of other household goods

4711 : Retail sale in non-specialised stores with food; beverages or tobacco predominating

4719 : Other retail sale in non-specialised stores

4724 : Retail sale of bread; cakes; flour confectionery and sugar confectionery in specialised stores

4725 : Retail sale of beverages in specialised stores

4775 : Retail sale of cosmetic and toilet articles in specialised stores

4781 : Retail sale via stalls and markets of food; beverages and tobacco products

4910 : Passenger rail transport; interurban

4931 : Urban and suburban passenger land transport

4939 : Other passenger land transport n.e.c.

5010 : Sea and coastal passenger water transport

5030 : Inland passenger water transport

5110 : Passenger air transport

5221 : Service activities incidental to land transportation

5222 : Service activities incidental to water transportation

5223 : Service activities incidental to air transportation

5510 : Hotels and similar accommodation

5520 : Holiday and other short-stay accommodation

5530 : Camping grounds; recreational vehicle parks and trailer parks

5590 : Other accommodation

5610 : Restaurants and mobile food service activities

5621 : Event catering activities

5629 : Other food service activities

5914 : Motion picture projection activities

8411 : General public administration activities

8412 : Regulation of the activities of providing health care; education; cultural services and other social services; excluding social security

8413 : Regulation of and contribution to more efficient operation of businesses

8421 : Foreign affairs

8422 : Defence activities

8423 : Justice and judicial activities

8424 : Public order and safety activities

8425 : Fire service activities

8430 : Compulsory social security activities

8510 : Pre-primary education

8520 : Primary education

8531 : General secondary education

8532 : Technical and vocational secondary education

8541 : Post-secondary non-tertiary education

8542 : Tertiary education

8551 : Sports and recreation education

8552 : Cultural education

8559 : Other education n.e.c.

8560 : Educational support activities

8610 : Hospital activities

8690 : Other human health activities

8710 : Residential nursing care activities

8720 : Residential care activities for mental retardation; mental health and substance abuse

8730 : Residential care activities for the elderly and disabled

8790 : Other residential care activities

8810 : Social work activities without accommodation for the elderly and disabled

8891 : Child day-care activities

8899 : Other social work activities without accommodation n.e.c.

9001 : Performing arts

9002 : Support activities to performing arts

9004 : Operation of arts facilities

9101 : Library and archives activities

9102 : Museums activities

9103 : Operation of historical sites and buildings and similar visitor attractions

9104 : Botanical and zoological gardens and nature reserves activities

9311 : Operation of sports facilities

9321 : Activities of amusement parks and theme parks

9329 : Other amusement and recreation activities

9602 : Hairdressing and other beauty treatment

9900 : Activities of extraterritorial organisations and bodies

Coffee

0127 : Growing of beverage crops

1051 : Operation of dairies and cheese making

1052 : Manufacture of ice cream

1071 : Manufacture of bread; manufacture of fresh pastry goods and cakes

1072 : Manufacture of rusks and biscuits; manufacture of preserved pastry goods and cakes

1082 : Manufacture of cocoa; chocolate and sugar confectionery

1083 : Processing of tea and coffee

1101 : Distilling; rectifying and blending of spirits

1107 : Manufacture of soft drinks; production of mineral waters and other bottled waters

2042 : Manufacture of perfumes and toilet preparations

4611 : Agents involved in the sale of agricultural raw materials; live animals; textile raw materials and semi-finished goods

4617 : Agents involved in the sale of food; beverages and tobacco

4634 : Wholesale of beverages

4637 : Wholesale of coffee; tea; cocoa and spices

4639 : Non-specialised wholesale of food; beverages and tobacco

4645 : Wholesale of perfume and cosmetics

4711 : Retail sale in non-specialised stores with food; beverages or tobacco predominating

4719 : Other retail sale in non-specialised stores

4724 : Retail sale of bread; cakes; flour confectionery and sugar confectionery in specialised stores

4725 : Retail sale of beverages in specialised stores

4729 : Other retail sale of food in specialised stores

4775 : Retail sale of cosmetic and toilet articles in specialised stores

4781 : Retail sale via stalls and markets of food; beverages and tobacco products

4791 : Retail sale via mail order houses or via Internet

4799 : Other retail sale not in stores; stalls or markets

4910 : Passenger rail transport; interurban

4931 : Urban and suburban passenger land transport

5010 : Sea and coastal passenger water transport

5030 : Inland passenger water transport

5110 : Passenger air transport

5221 : Service activities incidental to land transportation

5222 : Service activities incidental to water transportation

5223 : Service activities incidental to air transportation

5510 : Hotels and similar accommodation

5520 : Holiday and other short-stay accommodation

5530 : Camping grounds; recreational vehicle parks and trailer parks

5590 : Other accommodation

5610 : Restaurants and mobile food service activities

5621 : Event catering activities

5629 : Other food service activities

5630 : Beverage serving activities

5914 : Motion picture projection activities

8411 : General public administration activities

8412 : Regulation of the activities of providing health care; education; cultural services and other social services; excluding social security

8413 : Regulation of and contribution to more efficient operation of businesses

8421 : Foreign affairs

8422 : Defence activities

8423 : Justice and judicial activities

8424 : Public order and safety activities

8425 : Fire service activities

8430 : Compulsory social security activities

8531 : General secondary education

8532 : Technical and vocational secondary education

8541 : Post-secondary non-tertiary education

8542 : Tertiary education

8552 : Cultural education

8559 : Other education n.e.c.

8560 : Educational support activities

8610 : Hospital activities

8710 : Residential nursing care activities

8720 : Residential care activities for mental retardation; mental health and substance abuse

8730 : Residential care activities for the elderly and disabled

8790 : Other residential care activities

8810 : Social work activities without accommodation for the elderly and disabled

9002 : Support activities to performing arts

9004 : Operation of arts facilities

9101 : Library and archives activities

9102 : Museums activities

9103 : Operation of historical sites and buildings and similar visitor attractions

9104 : Botanical and zoological gardens and nature reserves activities

9200 : Gambling and betting activities
9311 : Operation of sports facilities
9313 : Fitness facilities
9321 : Activities of amusement parks and theme parks
9329 : Other amusement and recreation activities
9602 : Hairdressing and other beauty treatment
9603 : Funeral and related activities
9604 : Physical well-being activities
9900 : Activities of extraterritorial organisations and bodies

Potential coffee-using sectors not included in the current ONS data analysis:

Pharmaceuticals - Caffeine is used in certain medications. However, the pharmaceutical industry has been excluded from the Coffee ONS data analysis due to (a) uncertainty over the extent to which this caffeine is sourced from coffee beans vs other sources including synthetic and (b) the small number of companies assumed to be using caffeine derived from coffee within broad pharmaceutical categories such as SIC 2110 and 2120.

Textiles - S.Café is a novel polyester textile incorporating coffee grounds. It is new to market and volumes being used by brands appear to be very small at present.

Bio-fuel (coffee logs) - Coffee logs made from waste coffee grounds and used as a fuel within domestic or industrial heating applications are available in the UK. However, they are a very small part of a broad SIC code [1629] and it was decided that the low number of companies involved didn't warrant inclusion at present.

Plastics - Use of bio-oils extracted from used coffee grounds to make bio-plastics and other applications appears to be in the development phase at present.

Palm Sector

0141 : Raising of dairy cattle
0142 : Raising of other cattle and buffaloes
0143 : Raising of horses and other equines
0145 : Raising of sheep and goats
0146 : Raising of swine/pigs
0147 : Raising of poultry
0149 : Raising of other animals
0150 : Mixed farming
0162 : Support activities for animal production
0321 : Marine aquaculture

0322 : Freshwater aquaculture

1011 : Processing and preserving of meat

1012 : Processing and preserving of poultry meat

1013 : Production of meat and poultry meat products

1020 : Processing and preserving of fish; crustaceans and molluscs

1041 : Manufacture of oils and fats

1042 : Manufacture of margarine and similar edible fats

1051 : Operation of dairies and cheese making

1052 : Manufacture of ice cream

1071 : Manufacture of bread; manufacture of fresh pastry goods and cakes

1072 : Manufacture of rusks and biscuits; manufacture of preserved pastry goods and cakes

1082 : Manufacture of cocoa; chocolate and sugar confectionery

1085 : Manufacture of prepared meals and dishes

1086 : Manufacture of homogenised food preparations and dietetic food

1089 : Manufacture of other food products n.e.c.

1091 : Manufacture of prepared feeds for farm animals

1092 : Manufacture of prepared pet foods

1107 : Manufacture of soft drinks; production of mineral waters and other bottled waters

1920 : Manufacture of refined petroleum products

2012 : Manufacture of dyes and pigments

2014 : Manufacture of other organic basic chemicals

2041 : Manufacture of soap and detergents; cleaning and polishing preparations

2042 : Manufacture of perfumes and toilet preparations

3299 : Other manufacturing n.e.c.

4611 : Agents involved in the sale of agricultural raw materials; live animals; textile raw materials and semi-finished goods

4612 : Agents involved in the sale of fuels; ores; metals and industrial chemicals

4617 : Agents involved in the sale of food; beverages and tobacco

4618 : Agents specialised in the sale of other particular products

4619 : Agents involved in the sale of a variety of goods

4621 : Wholesale of grain; unmanufactured tobacco; seeds and animal feeds

4623 : Wholesale of live animals

4632 : Wholesale of meat and meat products

4633 : Wholesale of dairy products; eggs and edible oils and fats

4634 : Wholesale of beverages

4636 : Wholesale of sugar and chocolate and sugar confectionery

4638 : Wholesale of other food; including fish; crustaceans and molluscs

4639 : Non-specialised wholesale of food; beverages and tobacco

4645 : Wholesale of perfume and cosmetics

4649 : Wholesale of other household goods

4671 : Wholesale of solid; liquid and gaseous fuels and related products

4675 : Wholesale of chemical products

4690 : Non-specialised wholesale trade

4711 : Retail sale in non-specialised stores with food; beverages or tobacco predominating

4719 : Other retail sale in non-specialised stores

4722 : Retail sale of meat and meat products in specialised stores

4723 : Retail sale of fish; crustaceans and molluscs in specialised stores

4724 : Retail sale of bread; cakes; flour confectionery and sugar confectionery in specialised stores

4725 : Retail sale of beverages in specialised stores

4729 : Other retail sale of food in specialised stores

4730 : Retail sale of automotive fuel in specialised stores

4775 : Retail sale of cosmetic and toilet articles in specialised stores

4776 : Retail sale of flowers; plants; seeds; fertilisers; pet animals and pet food in specialised stores

4781 : Retail sale via stalls and markets of food; beverages and tobacco products

4910 : Passenger rail transport; interurban

4931 : Urban and suburban passenger land transport

4939 : Other passenger land transport n.e.c.

5010 : Sea and coastal passenger water transport

5030 : Inland passenger water transport

5110 : Passenger air transport

5221 : Service activities incidental to land transportation

5222 : Service activities incidental to water transportation

5223 : Service activities incidental to air transportation

5510 : Hotels and similar accommodation

5520 : Holiday and other short-stay accommodation

5530 : Camping grounds; recreational vehicle parks and trailer parks

5590 : Other accommodation

5610 : Restaurants and mobile food service activities

5621 : Event catering activities

5629 : Other food service activities

5630 : Beverage serving activities

5914 : Motion picture projection activities

7911 : Travel agency activities

8010 : Private security activities

8121 : General cleaning of buildings

8122 : Other building and industrial cleaning activities

8129 : Other cleaning activities

8211 : Combined office administrative service activities

8411 : General public administration activities

8412 : Regulation of the activities of providing health care; education; cultural services and other social services; excluding social security

8413 : Regulation of and contribution to more efficient operation of businesses

8421 : Foreign affairs

8422 : Defence activities

8423 : Justice and judicial activities

8424 : Public order and safety activities

8425 : Fire service activities

8430 : Compulsory social security activities

8510 : Pre-primary education

8520 : Primary education

8531 : General secondary education

8532 : Technical and vocational secondary education

8541 : Post-secondary non-tertiary education

8542 : Tertiary education

8551 : Sports and recreation education

8552 : Cultural education

8559 : Other education n.e.c.

8560 : Educational support activities

8610 : Hospital activities

8621 : General medical practice activities

8622 : Specialist medical practice activities

8690 : Other human health activities

8710 : Residential nursing care activities

8720 : Residential care activities for mental retardation; mental health and substance abuse

8730 : Residential care activities for the elderly and disabled

8790 : Other residential care activities

8810 : Social work activities without accommodation for the elderly and disabled

8891 : Child day-care activities

8899 : Other social work activities without accommodation n.e.c.

9001 : Performing arts

9002 : Support activities to performing arts

9004 : Operation of arts facilities

9101 : Library and archives activities

9102 : Museums activities

9103 : Operation of historical sites and buildings and similar visitor attractions

9104 : Botanical and zoological gardens and nature reserves activities

9311 : Operation of sports facilities

9329 : Other amusement and recreation activities

9900 : Activities of extraterritorial organisations and bodies

Soya Sector

0141 : Raising of dairy cattle

0142 : Raising of other cattle and buffaloes

0143 : Raising of horses and other equines

0145 : Raising of sheep and goats

0146 : Raising of swine/pigs

0147 : Raising of poultry

0149 : Raising of other animals

0150 : Mixed farming

0162 : Support activities for animal production

0321 : Marine aquaculture

0322 : Freshwater aquaculture

1011 : Processing and preserving of meat

1012 : Processing and preserving of poultry meat

1013 : Production of meat and poultry meat products

1020 : Processing and preserving of fish; crustaceans and molluscs

1041 : Manufacture of oils and fats

1051 : Operation of dairies and cheese making

1052 : Manufacture of ice cream

1085 : Manufacture of prepared meals and dishes

1089 : Manufacture of other food products n.e.c.

1091 : Manufacture of prepared feeds for farm animals

1092 : Manufacture of prepared pet foods

1920 : Manufacture of refined petroleum products

3299 : Other manufacturing n.e.c.

4611 : Agents involved in the sale of agricultural raw materials; live animals; textile raw materials and semi-finished goods

4612 : Agents involved in the sale of fuels; ores; metals and industrial chemicals

4621 : Wholesale of grain; unmanufactured tobacco; seeds and animal feeds

4623 : Wholesale of live animals

4632 : Wholesale of meat and meat products

4633 : Wholesale of dairy products; eggs and edible oils and fats

4638 : Wholesale of other food; including fish; crustaceans and molluscs

4639 : Non-specialised wholesale of food; beverages and tobacco

4649 : Wholesale of other household goods

4671 : Wholesale of solid; liquid and gaseous fuels and related products

4690 : Non-specialised wholesale trade

4711 : Retail sale in non-specialised stores with food; beverages or tobacco predominating

4719 : Other retail sale in non-specialised stores

4722 : Retail sale of meat and meat products in specialised stores

4723 : Retail sale of fish; crustaceans and molluscs in specialised stores

4724 : Retail sale of bread; cakes; flour confectionery and sugar confectionery in specialised stores

4729 : Other retail sale of food in specialised stores

4730 : Retail sale of automotive fuel in specialised stores

4776 : Retail sale of flowers; plants; seeds; fertilisers; pet animals and pet food in specialised stores

4781 : Retail sale via stalls and markets of food; beverages and tobacco products

4910 : Passenger rail transport; interurban

4931 : Urban and suburban passenger land transport

4939 : Other passenger land transport n.e.c.

5010 : Sea and coastal passenger water transport

5030 : Inland passenger water transport

5110 : Passenger air transport

5221 : Service activities incidental to land transportation

5222 : Service activities incidental to water transportation

5223 : Service activities incidental to air transportation

5510 : Hotels and similar accommodation

5520 : Holiday and other short-stay accommodation

5530 : Camping grounds; recreational vehicle parks and trailer parks

5590 : Other accommodation

5610 : Restaurants and mobile food service activities

5621 : Event catering activities

5629 : Other food service activities

5630 : Beverage serving activities

5914 : Motion picture projection activities

7911 : Travel agency activities

8010 : Private security activities

8211 : Combined office administrative service activities

8411 : General public administration activities

8412 : Regulation of the activities of providing health care; education; cultural services and other social services; excluding social security

8413 : Regulation of and contribution to more efficient operation of businesses

8421 : Foreign affairs

8422 : Defence activities

8423 : Justice and judicial activities

8424 : Public order and safety activities

8425 : Fire service activities

8430 : Compulsory social security activities

8510 : Pre-primary education

8520 : Primary education

8531 : General secondary education

8532 : Technical and vocational secondary education

8541 : Post-secondary non-tertiary education

8542 : Tertiary education

8551 : Sports and recreation education

8552 : Cultural education

8559 : Other education n.e.c.

8560 : Educational support activities

8610 : Hospital activities

8621 : General medical practice activities
8622 : Specialist medical practice activities
8690 : Other human health activities
8710 : Residential nursing care activities
8720 : Residential care activities for mental retardation; mental health and substance abuse
8730 : Residential care activities for the elderly and disabled
8790 : Other residential care activities
8810 : Social work activities without accommodation for the elderly and disabled
8891 : Child day-care activities
8899 : Other social work activities without accommodation n.e.c.
9001 : Performing arts
9002 : Support activities to performing arts
9004 : Operation of arts facilities
9101 : Library and archives activities
9102 : Museums activities
9103 : Operation of historical sites and buildings and similar visitor attractions
9104 : Botanical and zoological gardens and nature reserves activities
9311 : Operation of sports facilities
9329 : Other amusement and recreation activities
9900 : Activities of extraterritorial organisations and bodies

Rubber

0129 : Growing of other perennial crops
1330 : Finishing of textiles
1393 : Manufacture of carpets and rugs
1394 : Manufacture of cordage; rope; twine and netting
1396 : Manufacture of other technical and industrial textiles
1520 : Manufacture of footwear
2017 : Manufacture of synthetic rubber in primary forms
2052 : Manufacture of glues

2211 : Manufacture of rubber tyres and tubes; retreading and rebuilding of rubber tyres

2219 : Manufacture of other rubber products

2561 : Treatment and coating of metals

2830 : Manufacture of agricultural and forestry machinery

2892 : Manufacture of machinery for mining; quarrying and construction

2910 : Manufacture of motor vehicles

2920 : Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers

2932 : Manufacture of other parts and accessories for motor vehicles

3011 : Building of ships and floating structures

3012 : Building of pleasure and sporting boats

3020 : Manufacture of railway locomotives and rolling stock

3030 : Manufacture of air and spacecraft and related machinery

3040 : Manufacture of military fighting vehicles

3091 : Manufacture of motorcycles

3092 : Manufacture of bicycles and invalid carriages

3103 : Manufacture of mattresses

3230 : Manufacture of sports goods

3240 : Manufacture of games and toys

3250 : Manufacture of medical and dental instruments and supplies

3299 : Other manufacturing n.e.c.

3312 : Repair of machinery

3316 : Repair and maintenance of aircraft and spacecraft

3317 : Repair and maintenance of other transport equipment

3319 : Repair of other equipment

3832 : Recovery of sorted materials

4321 : Electrical installation

4333 : Floor and wall covering

4511 : Sale of cars and light motor vehicles

4519 : Sale of other motor vehicles

4520 : Maintenance and repair of motor vehicles

4531 : Wholesale trade of motor vehicle parts and accessories

4532 : Retail trade of motor vehicle parts and accessories

4612 : Agents involved in the sale of fuels; ores; metals and industrial chemicals

4614 : Agents involved in the sale of machinery; industrial equipment; ships and aircraft

4615 : Agents involved in the sale of furniture; household goods; hardware and ironmongery

4616 : Agents involved in the sale of textiles; clothing; fur; footwear and leather goods

4618 : Agents specialised in the sale of other particular products

4642 : Wholesale of clothing and footwear

4644 : Wholesale of china and glassware and cleaning materials

4647 : Wholesale of furniture; carpets and lighting equipment

4649 : Wholesale of other household goods

4661 : Wholesale of agricultural machinery; equipment and supplies

4663 : Wholesale of mining; construction and civil engineering machinery

4669 : Wholesale of other machinery and equipment

4674 : Wholesale of hardware; plumbing and heating equipment and supplies

4676 : Wholesale of other intermediate products

4677 : Wholesale of waste and scrap

4711 : Retail sale in non-specialised stores with food; beverages or tobacco predominating

4719 : Other retail sale in non-specialised stores

4753 : Retail sale of carpets; rugs; wall and floor coverings in specialised stores

4764 : Retail sale of sporting equipment in specialised stores

4765 : Retail sale of games and toys in specialised stores

4772 : Retail sale of footwear and leather goods in specialised stores

4773 : Dispensing chemist in specialised stores

4782 : Retail sale via stalls and markets of textiles; clothing and footwear

4791 : Retail sale via mail order houses or via Internet

4910 : Passenger rail transport; interurban

4920 : Freight rail transport

4931 : Urban and suburban passenger land transport

4939 : Other passenger land transport n.e.c.

4941 : Freight transport by road

5110 : Passenger air transport

5121 : Freight air transport

7711 : Renting and leasing of cars and light motor vehicles

7712 : Renting and leasing of trucks

7731 : Renting and leasing of agricultural machinery and equipment

7735 : Renting and leasing of air transport equipment

8422 : Defence activities

8425 : Fire service activities

8510 : Pre-primary education

8520 : Primary education

8531 : General secondary education

8532 : Technical and vocational secondary education

8541 : Post-secondary non-tertiary education

8542 : Tertiary education

8553 : Driving school activities

8610 : Hospital activities

8621 : General medical practice activities

8622 : Specialist medical practice activities

8623 : Dental practice activities

8690 : Other human health activities

8710 : Residential nursing care activities

8720 : Residential care activities for mental retardation; mental health and substance abuse

8730 : Residential care activities for the elderly and disabled

9311 : Operation of sports facilities

9313 : Fitness facilities

9523 : Repair of footwear and leather goods

Potential rubber-using sectors not included in the current ONS data analysis:

Manufacture of domestic appliances, machinery and industrial goods - Natural rubber (NR) and Synthetic/NR blends can be used to make a number of parts such as seals, gaskets, belts, shock mounts, vibration isolators, hoses and tubing. The same parts can also be made from 100% synthetic rubber. These parts have a very broad range of potential applications within the manufacture of domestic appliances, machinery and industrial goods. It was not possible within the scope of this analysis to identify all 4 digit SIC codes within the 25xx to 28xx manufacturing series likely to use parts containing NR (as opposed to 100% synthetic).

Only those applications where suppliers of NR parts referenced their use in a particular sector were included (e.g. vehicles, aircraft, agriculture, mining) and omissions related to the use of NR parts are therefore likely."

Paints, varnishes and coatings - SIC code lists rubber paints but not able to ascertain if any natural rubber content. Have assumed synthetic rubber is used.

Roofing applications - Excluded as majority of rubber used in roofing applications appears to be synthetic e.g. EPDM.

Maize

0111 : Growing of cereals (except rice); leguminous crops and oil seeds

0119 : Growing of other non-perennial crops

0141 : Raising of dairy cattle

0142 : Raising of other cattle and buffaloes

0145 : Raising of sheep and goats

0146 : Raising of swine/pigs

0147 : Raising of poultry

0149 : Raising of other animals

0150 : Mixed farming

0321 : Marine aquaculture

0322 : Freshwater aquaculture

0610 : Extraction of crude petroleum

1011 : Processing and preserving of meat

1012 : Processing and preserving of poultry meat

1013 : Production of meat and poultry meat products

1020 : Processing and preserving of fish; crustaceans and molluscs

1039 : Other processing and preserving of fruit and vegetables

1041 : Manufacture of oils and fats

1042 : Manufacture of margarine and similar edible fats

1051 : Operation of dairies and cheese making

1052 : Manufacture of ice cream

1061 : Manufacture of grain mill products

1062 : Manufacture of starches and starch products

1071 : Manufacture of bread; manufacture of fresh pastry goods and cakes

1072 : Manufacture of rusks and biscuits; manufacture of preserved pastry goods and cakes

1082 : Manufacture of cocoa; chocolate and sugar confectionery

1083 : Processing of tea and coffee

1084 : Manufacture of condiments and seasonings

1085 : Manufacture of prepared meals and dishes

1086 : Manufacture of homogenised food preparations and dietetic food

1089 : Manufacture of other food products n.e.c.

1091 : Manufacture of prepared feeds for farm animals

1092 : Manufacture of prepared pet foods

1101 : Distilling; rectifying and blending of spirits

1105 : Manufacture of beer

1107 : Manufacture of soft drinks; production of mineral waters and other bottled waters

1320 : Weaving of textiles

1330 : Finishing of textiles

1392 : Manufacture of made-up textile articles; except apparel

1712 : Manufacture of paper and paperboard

1721 : Manufacture of corrugated paper and paperboard and of containers of paper and paperboard

1722 : Manufacture of household and sanitary goods and of toilet requisites

1723 : Manufacture of paper stationery

1920 : Manufacture of refined petroleum products

2016 : Manufacture of plastics in primary forms

2041 : Manufacture of soap and detergents; cleaning and polishing preparations

2042 : Manufacture of perfumes and toilet preparations

2052 : Manufacture of glues

2059 : Manufacture of other chemical products n.e.c.

2110 : Manufacture of basic pharmaceutical products

2120 : Manufacture of pharmaceutical preparations

2221 : Manufacture of plastic plates; sheets; tubes and profiles

2222 : Manufacture of plastic packing goods

2314 : Manufacture of glass fibres

4611 : Agents involved in the sale of agricultural raw materials; live animals; textile raw materials and semi-finished goods

4612 : Agents involved in the sale of fuels; ores; metals and industrial chemicals

4617 : Agents involved in the sale of food; beverages and tobacco

4618 : Agents specialised in the sale of other particular products

4621 : Wholesale of grain; unmanufactured tobacco; seeds and animal feeds

4623 : Wholesale of live animals

4631 : Wholesale of fruit and vegetables

4632 : Wholesale of meat and meat products

4633 : Wholesale of dairy products; eggs and edible oils and fats

4634 : Wholesale of beverages

4636 : Wholesale of sugar and chocolate and sugar confectionery

4638 : Wholesale of other food; including fish; crustaceans and molluscs

4639 : Non-specialised wholesale of food; beverages and tobacco

4644 : Wholesale of china and glassware and cleaning materials

4645 : Wholesale of perfume and cosmetics

4646 : Wholesale of pharmaceutical goods

4671 : Wholesale of solid; liquid and gaseous fuels and related products

4675 : Wholesale of chemical products

4676 : Wholesale of other intermediate products

4711 : Retail sale in non-specialised stores with food; beverages or tobacco predominating

4719 : Other retail sale in non-specialised stores

4721 : Retail sale of fruit and vegetables in specialised stores

4722 : Retail sale of meat and meat products in specialised stores

4723 : Retail sale of fish; crustaceans and molluscs in specialised stores

4724 : Retail sale of bread; cakes; flour confectionery and sugar confectionery in specialised stores

4725 : Retail sale of beverages in specialised stores

4729 : Other retail sale of food in specialised stores

4730 : Retail sale of automotive fuel in specialised stores

4773 : Dispensing chemist in specialised stores

4775 : Retail sale of cosmetic and toilet articles in specialised stores

4781 : Retail sale via stalls and markets of food; beverages and tobacco products

4791 : Retail sale via mail order houses or via Internet

4910 : Passenger rail transport; interurban

4931 : Urban and suburban passenger land transport

5010 : Sea and coastal passenger water transport

5030 : Inland passenger water transport

5110 : Passenger air transport

5221 : Service activities incidental to land transportation

5222 : Service activities incidental to water transportation

5223 : Service activities incidental to air transportation

5510 : Hotels and similar accommodation

5520 : Holiday and other short-stay accommodation

5530 : Camping grounds; recreational vehicle parks and trailer parks

5590 : Other accommodation

5610 : Restaurants and mobile food service activities

5621 : Event catering activities

5629 : Other food service activities

5630 : Beverage serving activities

5914 : Motion picture projection activities

8121 : General cleaning of buildings

8122 : Other building and industrial cleaning activities

8129 : Other cleaning activities

8292 : Packaging activities

8411 : General public administration activities

8412 : Regulation of the activities of providing health care; education; cultural services and other social services; excluding social security

8413 : Regulation of and contribution to more efficient operation of businesses

8421 : Foreign affairs

8422 : Defence activities

8423 : Justice and judicial activities

8424 : Public order and safety activities

8425 : Fire service activities

8430 : Compulsory social security activities

8510 : Pre-primary education

8520 : Primary education

8531 : General secondary education

8532 : Technical and vocational secondary education

8541 : Post-secondary non-tertiary education

8542 : Tertiary education

8559 : Other education n.e.c.

8610 : Hospital activities

8621 : General medical practice activities

8622 : Specialist medical practice activities

8623 : Dental practice activities

8690 : Other human health activities

8710 : Residential nursing care activities

8720 : Residential care activities for mental retardation; mental health and substance abuse

8730 : Residential care activities for the elderly and disabled

8790 : Other residential care activities

8810 : Social work activities without accommodation for the elderly and disabled

8891 : Child day-care activities
8899 : Other social work activities without accommodation n.e.c.
9002 : Support activities to performing arts
9004 : Operation of arts facilities
9101 : Library and archives activities
9102 : Museums activities
9103 : Operation of historical sites and buildings and similar visitor attractions
9104 : Botanical and zoological gardens and nature reserves activities
9311 : Operation of sports facilities
9313 : Fitness facilities
9321 : Activities of amusement parks and theme parks
9329 : Other amusement and recreation activities
9601 : Washing and (dry-)cleaning of textile and fur products
9602 : Hairdressing and other beauty treatment
9604 : Physical well-being activities
9900 : Activities of extraterritorial organisations and bodies

Potential maize-using sectors not included in the current ONS data analysis

Manufacturing - Maize derivatives can be used in multiple industry manufacturing processes. For example, they can be used to line moulds to ease extraction of the formed product/component, used in the 'sizing' of textiles, paper and fiberglass or as adhesives used to bind different materials together. Depending on the manufacturing application, maize derived content may or may not be present in the final product in any notable amount. The analysis only includes manufacturing applications where there was more clarity over the current use of maize derivatives and is likely to be an under-estimate.

Industry end users - Similarly to manufacturing, the current ONS analysis only includes industry end users where there was more clarity over the current use of maize derivatives and is likely to be an under-estimate.

Bio-gas - Maize is used as a feedstock for anaerobic digesters and biogas production in the UK. SIC codes used by biogas producers appeared to vary so were omitted and are noted here e.g. SIC 3821/3521/3511.

26/11/21