

Accumulation of food-related industries that utilize the abundance of safe marine and agricultural resources

Largest Food Supplying Region in Japan

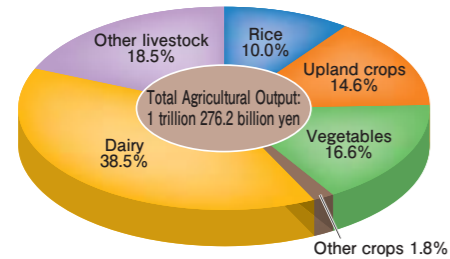
Hokkaido has a cold climate and is covered in snow for a long period throughout the winter, but through the introduction of many western agricultural technologies since the Meiji period (1868 onwards) along with the creation of a firm foundation for production, we have been able to overcome the problems of the adverse climate. Hokkaido is now home to a large scale full-time agricultural industry focused on rice crops, dry field farming, dairy farming and livestock farming.

As of 2018, Hokkaido has 1.145 million hectares of arable land, 1/4 of the national total. Furthermore, the average land size per farm is 28.9ha, 13.1 times the national average.

There are 36,000 farms (commercial farmers) in Hokkaido, which is just 3.1% of the national total. However, 72.9% of Hokkaido farmers are full-time, compared to the national average of 20.0%.

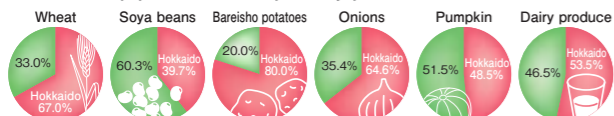
The agricultural yield of Hokkaido is 1 trillion 276.2 billion yen, or 13.2% of the national total. In addition, Hokkaido is the top producer of dry field crops such as wheat, soya beans, potatoes and sugar beets, vegetables such as onions, pumpkins and sweet corn, and dairy produce, and plays an essential part in the food supply chain for the entire country.

Composition of agricultural output (2017)



(Source: Ministry of Agriculture, Forestry and Fisheries "Statistics of Agricultural Production and Revenue")

Main agricultural and livestock products for which Hokkaido is the top producer in Japan (by production volume)



(Source: Crop Statistics and Milk and Dairy Product Statistics, Ministry of Agriculture, Forestry and Fisheries)

No. 1 in Japan for amount of food shipped

Hokkaido boasts a large concentration of food manufacturing industries, and is top in Japan for both the amount of food shipped, and for the number of food-related businesses.

Ranking	Prefecture	Shipping value of products (Unit: 100 million)
1	Hokkaido	21,337
2	Saitama	17,590
3	Aichi	16,250
4	Hyogo	15,896
5	Chiba	14,927

(Source: Ministry of Economy, Trade and Industry - "2016 Industry Statistics")

Ranking	Prefecture	Number of businesses (Unit: Businesses)
1	Hokkaido	1,779
2	Hyogo	1,185
3	Aichi	1,141
4	Shizuoka	1,129
5	Fukuoka	916

(Source: Ministry of Economy, Trade and Industry - "2017 Industry Statistics")

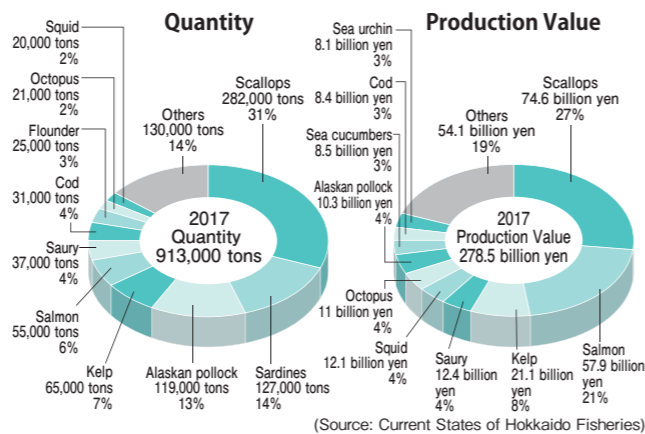
Fishing Industry of Hokkaido - the Island Surrounded by Oceans

Hokkaido is bordered by the Pacific Ocean, Sea of Okhotsk and Sea of Japan, and has a total coastline of 4,448km, which is 12.5% of national total. The huge continental shelf to the north of Hokkaido, and offshore regions such as Kitami Yamato-tai bank and Musashi-tai bank boast rich fishing grounds.

In 2017, the total amount produced by the fisheries and aquaculture industries in the Hokkaido territory* was 913,000 tons. This amount represents 278.5 billion yen, or almost a fifth of the national total, and Hokkaido holds the number one spot for seafood production on either scale. Main produce are scallops, sardines, Alaskan pollock, kelp, salmon and saury, and the main fishing methods are scallop dredging, bottom offshore trawling, fixed-net salmon fishing, scallop cultivation and mackerel fishing.

*This figure indicates the quantity landed in Hokkaido.

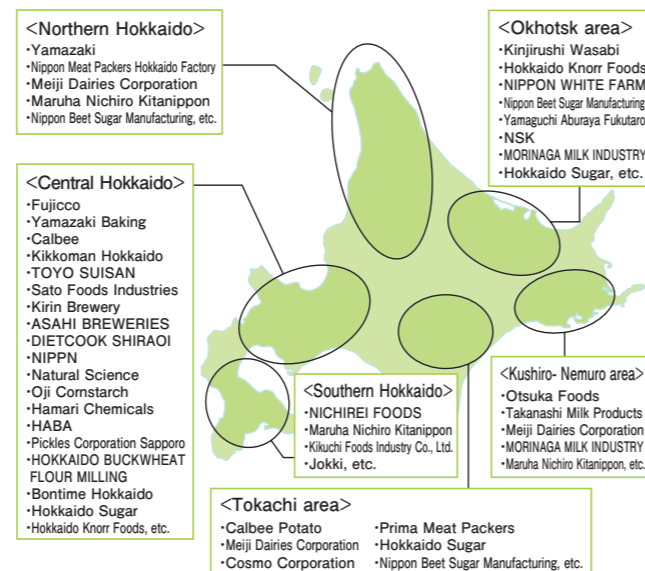
Composition ratio by species (2017: Hokkaido territory)



(Source: Current States of Hokkaido Fisheries)

Location of Main Food Companies

Hokkaido is the leading center for the food manufacturing industry in Japan.



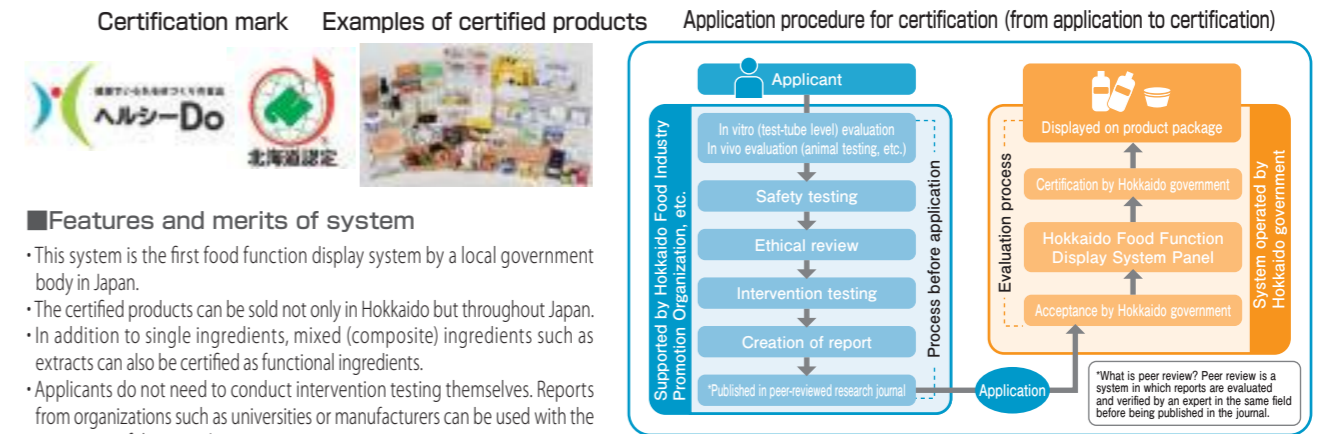
Hokkaido's original food function display system ("Healthy Do") - the first in Japan!

With health-consciousness increasing in recent years, there has been a call to provide detailed information on products such as health foods so that consumers can select products that suit their preferences. In April 2013, Hokkaido began a food function display system (Healthy Do), in which the Hokkaido government grants certification for functional ingredients of products such as health food if scientific research relating to health management is conducted. A certification mark from the Hokkaido government is placed on qualifying products. Hokkaido's foods already have a reputation for being safe, trustworthy and delicious. This system adds new value in the form of health benefits.

Products certified

1st certification: 12 products 2nd certification: 6 products 3rd certification: 8 products
 4th certification: 17 products 5th certification: 13 products 6th certification: 11 products
 7th certification: 4 products 8th certification: 7 products 9th certification: 3 products
 10th certification: 7 products 11th certification: 8 products 12th certification: 7 products

Sales of Products Certified from 2013 to 2017: 12.32 billion yen



Features and merits of system

- This system is the first food function display system by a local government body in Japan.
- The certified products can be sold not only in Hokkaido but throughout Japan.
- In addition to single ingredients, mixed (composite) ingredients such as extracts can also be certified as functional ingredients.
- Applicants do not need to conduct intervention testing themselves. Reports from organizations such as universities or manufacturers can be used with the permission of the report's writer.
- Companies in Hokkaido will act as an OEM, producing and supplying products for companies both inside and outside Hokkaido.

Hokkaido-wide Food Cluster activities

In April 2010, the Food Clusters Cooperation and Coordination Body (FC/NW) was established by industry, academia and government throughout Hokkaido. The organization serves as a Hokkaido-wide promotional body for food cluster activities to create a full food industry unique to Hokkaido. More than 2,195 organizations (as of the end of February 2019) are involved in FC/NW, and 533 projects have been proposed and put into action as a result of cooperation and collaborations by the organizations involved.

Examples of Main Projects

- Branding of Pepo pumpkin (edible seeds)
- Branding of products such as Gagome kelp
- Promotion of Hokkaido's wine industry



Hokkaido's Burgeoning Plant Factories

More and more plant factories are being opened in Hokkaido due to the cool climate, many hours of sunlight and vast expanses of land. The Hokkaido Prefectural Government provides various forms of support for anybody wanting to start a plant factory here.

Examples

- J Farm Tomakomai Factory**
 Investors: Add One Farm Co., Ltd., JFE Engineering Corporation
 Crops: Mesclun (1ha), tomatoes (1.5ha)
 Notable characteristics: Japan's first large-scale tri-generation system (powered by heat, CO₂ and electricity from a gas engine)
- Oriental Land Co., Ltd. Teshikaga Farm**
 Crops: Strawberries (0.8ha)
 Notable characteristics: Implemented a heating system using the heat from hot springs in the greenhouses



Support for Plant Factory Initiatives

- Assistance in finding a site
- Technical consultations for plant factories ("Concierge" service for horticultural development in facilities)
- Subsidies are available for certain plant factories in industrial areas (4-10% of investment in facilities)



J Farm Tomakomai Factory

Automobile-related Industry

Accumulation of Automotive Industries in Hokkaido

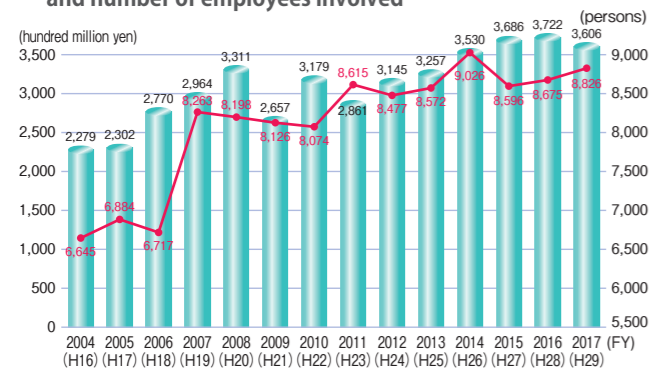
Major automotive companies are expanding to Hokkaido

The shipping value of transportation machinery and number of employees involved have increased by around 50% in the last 10 years. Hokkaido is gathering a great deal of attention as the new manufacturing area for the automobile industry. Essential members of the Toyota Group, such as Aisin Seiki Co., Ltd and Denso Corporation, have expanded operations into Hokkaido, and O-OKA Corporation, Meitoku Hokkaido Co., Ltd., CVTEC Hokkaido Co., Ltd., and Fuji Electronics Industries Co., Ltd. have also established premises in Hokkaido to disperse risk after the Great East Japan Earthquake and tsunami.



TOYOTA MOTOR HOKKAIDO, INC. (Tomakomai)

Shipping value of transportation machinery from Hokkaido and number of employees involved

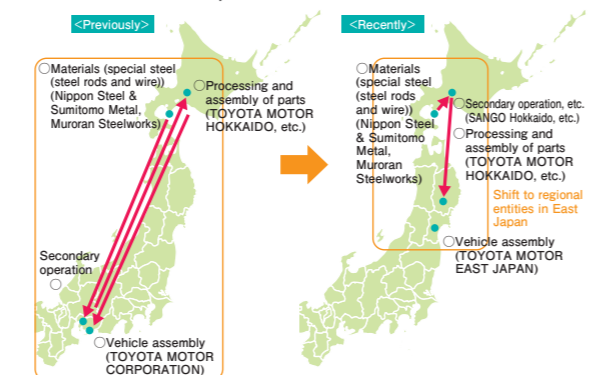


(Source: Ministry of Economy, Trade and Industry - "2018 Industry Statistical Survey")

Automotive companies that have recently expanded into Hokkaido

Years in operation	Company	Head office	Location (municipality)
2006(H18)	Hokkaido SEI Steel Wire, Ltd.	Hyogo	Muroran
2006(H18)	Daysys Co. Ltd.	Shizuoka	Sapporo
2007(H19)	TOKUE sisuner	Aichi	Ishikari
2007(H19)	AISIN HOKKAIDO CO., Ltd.	Aichi	Tomakomai
2007(H19)	SATOSHOJI CORPORATION	Tokyo	Tomakomai
2007(H19)	SANWAYUKA INDUSTRY CORPORATION	Aichi	Tomakomai
2007(H19)	SANGO Hokkaido Co., Ltd.	Aichi	Tomakomai
2007(H19)	Okaya Iwai Hokkaido	Aichi	Tomakomai
2007(H19)	Umetoku Co., Ltd.	Osaka	Tomakomai
2008(H20)	Kosei Aluminum Co., Ltd.	Aichi	Tomakomai
2008(H20)	Toyotsu Smelting Technology Corporation	Aichi	Tomakomai
2009(H21)	Denso Hokkaido Corporation	Aichi	Chitose
2012(H24)	Muroran Togo Corporation	Aichi	Muroran
2012(H24)	Meitoku Hokkaido Co., Ltd.	Aichi	Abira
2013(H25)	O-OKA Corporation	Aichi	Muroran
2014(H26)	Sintokogio, Ltd.	Aichi	Tomakomai
2014(H26)	CVTEC Hokkaido Co., Ltd.	Aichi	Tomakomai
2015(H27)	FJ Composite Materials Co., Ltd.	Shizuoka	Chitose (relocation of head office)
2016(H28)	Fuji Electronics Industries Co., Ltd.	Shizuoka	Chitose
2017(H29)	Ogikubo Tools and Dies MFG Co., Ltd.	Nagano	Tomakomai

The shift to regional entities in East Japanese automotive supplier chains through the establishment of new locations for automotive companies



Accumulation of Forges and Foundries

An increasing number of forges and foundries are being established in Hokkaido (Nippon Steel & Sumitomo Metal in particular), providing services such as metalworking of special steel manufactured within Hokkaido and aluminum castings. As production capacity of the Toyota Group's third largest production base in the Tohoku region expands, Hokkaido is able to use this accumulation of related industries to provide material procurement and processing services to Tohoku, contributing to the multi-tracking and shortening of the supply chain.

Efforts in various domains to promote agglomeration in the automobile industry

Additionally, the "Hokkaido Auto Industrial Agglomerations Promotion Council (HAIA)" was established on August 3rd 2006. HAIA comprises companies, business and industrial groups, educational institutions and government bodies related to the automobile industry, and was established to promote incentives for the accumulation of automobile-related industries in Hokkaido.

Main initiatives of the Hokkaido Auto Industrial Agglomerations Promotion Council (HAIA)

Promotion of ideal locations for the automotive industry	<ul style="list-style-type: none"> Seminars on business locations in Hokkaido and a booth on Hokkaido at Messe Nagoya Visits to automobile-related companies (top-level selling by governor and visits to companies by employees of offices outside Hokkaido and coordinators from the Nagoya metropolitan area)
Encouragement of local businesses to enter the automotive industry	<ul style="list-style-type: none"> Seminars on production control, quality control, etc. Trade fairs on techniques relating to Hokkaido's automotive industry (held by TOYOTA MOTOR CORPORATION, TOYOTA MOTOR EAST JAPAN, INC., etc.) Factory tours and presentations about parts through collaborations with the Tohoku area Individual instruction and advice on solving company issues by a team providing support for entry into the market (experienced automobile manufacturers, etc.)
Securing and fostering technical staff	<ul style="list-style-type: none"> Training workshops on digital engineering Monozukuri Nadeshiko Support Project to encourage women to enter the manufacturing industry (factory tours, educational visits, creation of promotional pamphlets)



Trade fairs on techniques relating to the automotive industry

Contact

Total Support Office for Auto Industry, Industrial Location Development Division, Bureau of Industrial Location Promotion, Department of Economic Affairs, Hokkaido Government
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 E-Mail:keizai.sangyousinkou1@pref.hokkaido.lg.jp

Related URL

Hokkaido Auto Industrial Agglomerations Promotion Council (HAIA)
<http://www.pref.hokkaido.lg.jp/kz/ssg/s/sj/jidousha1.htm>
 Information on manufacturing companies in Hokkaido
<http://www.pref.hokkaido.lg.jp/kz/ssg/s/sj/sanshi/monozuku/guidobook.htm>

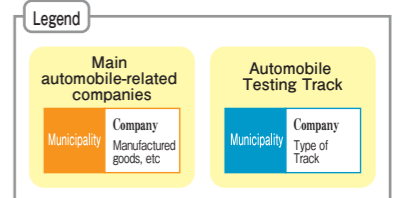
With the largest number of test tracks in Japan, Hokkaido is the perfect place for testing, research and development for automobile-related companies

Central Hokkaido is rapidly becoming an important location for many automobile-related companies such as prominent parts manufacturers and software companies.

Additionally, the cold weather conditions and large open spaces provide the perfect conditions for many outstanding test tracks to be built.

There are 28 such facilities, the highest number in Japan.

Hokkaido holds an essential role in the testing of new cars for automobile manufacturers, and will remain an important location for all manner of research, development and testing for the automobile industry.



Main automobile-related companies outside Hokkaido, and the largest number of test tracks in Japan (28 tracks)

Company	Facilities
Honda Motor Co., Ltd.	All-round winter course, frozen roads, winding hills
UEHARA NAMEPLATE Co., Ltd.	Emblems, car horn badges
Sumitomo Rubber Industries, Ltd.	Circuits, hills
The Yokohama Rubber Co., Ltd.	Frozen roads, compacted snow, winding hills, circular roads, handling roads
Veoneer Nissin Brake Systems Japan Co., Ltd.	Simulation testing courses recreating various road conditions
Torc Precision Industry Co., Ltd.	AT switches
Keihin Seimitsu Kogyo Co., Ltd.	Engine parts, etc
TOKUE sisuner	Drive shaft boots
Micro Sapporo Co., Ltd.	Small metal cutting parts
AW SOFTWARE CO., LTD.	Development of car navigation software
Argo System Support Inc.	3D CAD systems
Daysys Co. Ltd.	Software development for automobile meter control
Denso Hokkaido Corporation	Manufacturing of on-board semiconductor products
Fuji Electronics Industries Co., Ltd.	Manufacturing of on-board semiconductor products
FJ Composite Materials Co., Ltd.	Heat radiation materials
Muroran Suzuki	Hardened and tempered wires for automobile springs
Hokkaido SEI Steel Wire, Ltd.	Hardened and tempered wires for engine valve springs
Muroran Togo Corporation	Automobile springs
O-OKA Corporation	Production of precision forging gears for automobiles
Koutsu Kagaku Sougou Kenkyujo	Overall testing tracks, hills
TOYOTA MOTOR CORPORATION	Circuits, high-speed dirt roads, long hills, high-speed winding roads
DAIHATSU MOTOR CO., LTD.	Level connection roads, high-speed circuits, flooded roads
Bridgestone Corporation	Handling roads, hills, circuits
Yamaha Motor Co., Ltd.	Straight roads for snow mobiles and lawn mowers
Subaru Corporation	Handling courses High-speed handling testing courses, city streets
Sumitomo Rubber Industries, Ltd.	Circuits, measuring roads, hills
SUZUKI MOTOR CORPORATION	Cold resistance testing courses, mountain roads, high-speed circuits
Mazda Motor Corporation	Country road circuits, straight roads
Continental Automotive Corporation (Continental Teves Corporation)	Handling roads, dirt roads
TOYO TIRE & RUBBER CO., LTD.	Frozen roads, compacted snow roads
Denso Corporation	Handling roads, artificial frozen roads
Bosch Corporation	Circuits, bumpy roads
UD Trucks Co., Ltd.	Straight roads(use of city land)
NISSAN MOTOR CO., LTD.	High-speed circuits, country roads, cold region testing roads
Hino Motors, Ltd.	Brake test courses, high-speed snow roads
Mitsubishi Motors Corporation	Cross-country roads, high-speed circuits
TBK Co., Ltd.	Circuits, hills, brake part testing
Hitachi, Ltd.	Vehicle control programs
OBIHIRO DENSHI COMPANY LIMITED.	On-board signals Relay coils
Panasonic Switching Technologies Co., Ltd.	Control relays
Hitachi Construction Machinery Co., Ltd.	Comparison test course, hills
ISUZU MOTORS LIMITED HOKKAIDO	Engines
TOYOTA MOTOR HOKKAIDO, INC.	AT, CVT, transfers
SATOSHOJI CORPORATION	Machining and cutting of steel for automobiles
SANGO Hokkaido Co., Ltd.	Machining of automobile castings
AISIN HOKKAIDO CO., Ltd.	Aluminum casting parts(Bulb body, etc.)
Toyotsu Smelting Technology Corporation	Manufacturing of molten aluminum alloys and unprocessed alloys
Kosei Aluminum Co., Ltd.	Aluminum wheels
SANWAYUKA INDUSTRY CORPORATION	Impregnation processing for aluminum products
Okaya Iwai Hokkaido	Manufacturing of metal machine tools
Umetoku Co., Ltd.	Mold heat treatment, surface treatment
Meiwa Industries, Ltd.	Design and manufacture of automated facilities
Kowa Kakoki Co., Ltd.	Maintenance of shot machine for producing components
Sintokogio, Ltd.	Casting facilities, shot blasting, environmental facilities
DYNAX Corporation	Clutch, clutch plates
Sugiyama Kogyo Co., Ltd.	Automotive casting molds
CVTEC Hokkaido Co., Ltd.	Metal belts for CVTs