

# Intellectual Property Report 2016



**October 2016**  
**ISEKI & CO., LTD.**

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## Preamble in Publishing Intellectual Property Report 2016

The business foundations of the ISEKI Group lie in agriculture and agricultural machinery. We are constantly endeavoring to develop agriculture through development, production and sales of our products by promoting efficiency in agriculture and enhancing productivity in our attempt to improve the functions, performance, quality of our products as well as cost and service quality.

We engage in business activities with emphasis on intellectual property. We also promote our activities in core technologies of agricultural machinery, agriculture-related products and secure technical rights and the use of achievements of such activities, such as inventions and creations through strategic intellectual property activities.

This Intellectual Property Report 2016 covers a wide range of related topics, including our initiatives in R&D, the creation of inventions and patent strategies, product design initiative and trademarks. It also includes the response to the globalization, system for intellectual property, contributions of intellectual property to business, situation of intellectual property rights owned, awards received for our patents and inventions, and information risks related to intellectual property.

Photo on the cover: ISEKI Technological Research Presentation held on January 20, 2016

ISEKI Group tries to improve the skills across the Group by information sharing and mutual study among development/manufacturing/sales through this presentation.

The presentation is held every year and this is the 26th event.

# Message from the President

For 90 years since its establishment in 1926, ISEKI Group has pursued creative studies to “provide products that satisfy customers” with a mission to “contribute to society through agricultural machinery” with agriculture changing over time. The “spirits as the engineer” to “always be one step ahead of the competitors”, “to be totally dedicated to product philosophy”, “to exert all technical potential” and “to market ideas” have been succeeded uninterruptedly to our technical experts even after 90 years.

Making full use of all our accumulated technical potential, we will continue to contribute to agriculture both in Japan and the world through providing “quality items” which satisfy our customers.

Japanese agriculture is about to undergo a substantial change mainly in response to the policy to grow domestic agriculture, which has been promoted by the government. We will continue to provide high quality and affordable products that meet large-scale farming by consolidation of farm lands, various planting method for vegetable production, and smart agriculture utilizing ICT technologies. Furthermore, we established “Dream Agricultural Research Institute (“Yumesoken” in short)” last year in order to cope with changes in agriculture. In order to support farm management of our customers, we will conduct proactive business activities from various points of view such as proposals of agri-business technologies useful for low-cost farming.

For overseas markets, we have provided products for landscaping and light civil engineering work for European and North American markets and rice cultivation for Chinese market. In addition, with our rice cultivation technologies nurtured in Japan, we will develop and supply products for ASEAN nations where needs for bigger food production are increasing.

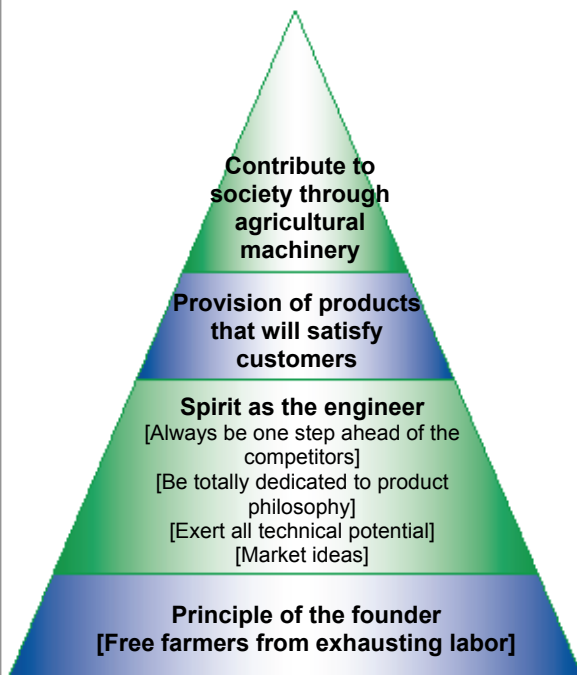
ISEKI Group positions the intellectual property as our “strength”. We are pleased to be awarded 1st place for 15 consecutive years in open patents per specialty field in 2014. Also in terms of patent allowance rate, we were ranked 1st in all industries for patent assessment ratio in 2015.

In this report, we introduce our attitude toward R&D and updated intellectual property activities etc., with steps of “50<sup>th</sup> Anniversary of Auto-threshing combine harvesters” We sincerely hope that this report will provide you a good understanding of the commitment of the ISEKI Group.



Representative Director  
President & Executive Officer  
Eiiichiro Kinoshita

## Contribute to agriculture both in Japan and the world



Auto-threshing combine and rice transplanter were selected as “100 postwar Japanese Inventions”!

Japan Institute of Invention and Innovation  
1<sup>st</sup> announcement of 2014

Our combine harvester HD50 model Frontier, developed in 1966, was described as follows; “It was ISEKI & CO., LTD that developed Auto-threshing combine harvester for the first time in the industry and started its sales. It is Japan’s first ingenious combine harvester that Japan boasts to the world”.



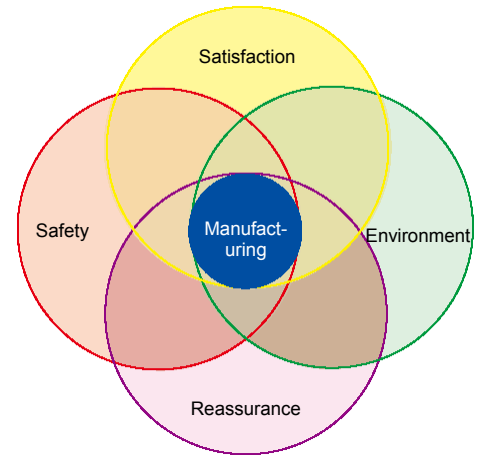
HD50 model Frontier

Rice cultivation used to be continuous hard labor. The founder of ISEKI strived hard in pursuit of technological development with ingenuity and originality based on the principle to free farmers from exhausting labor. Succeeding this principle, ISEKI Group will contribute to agriculture both in Japan and the world.

# 1. Strategic Directions of R&D

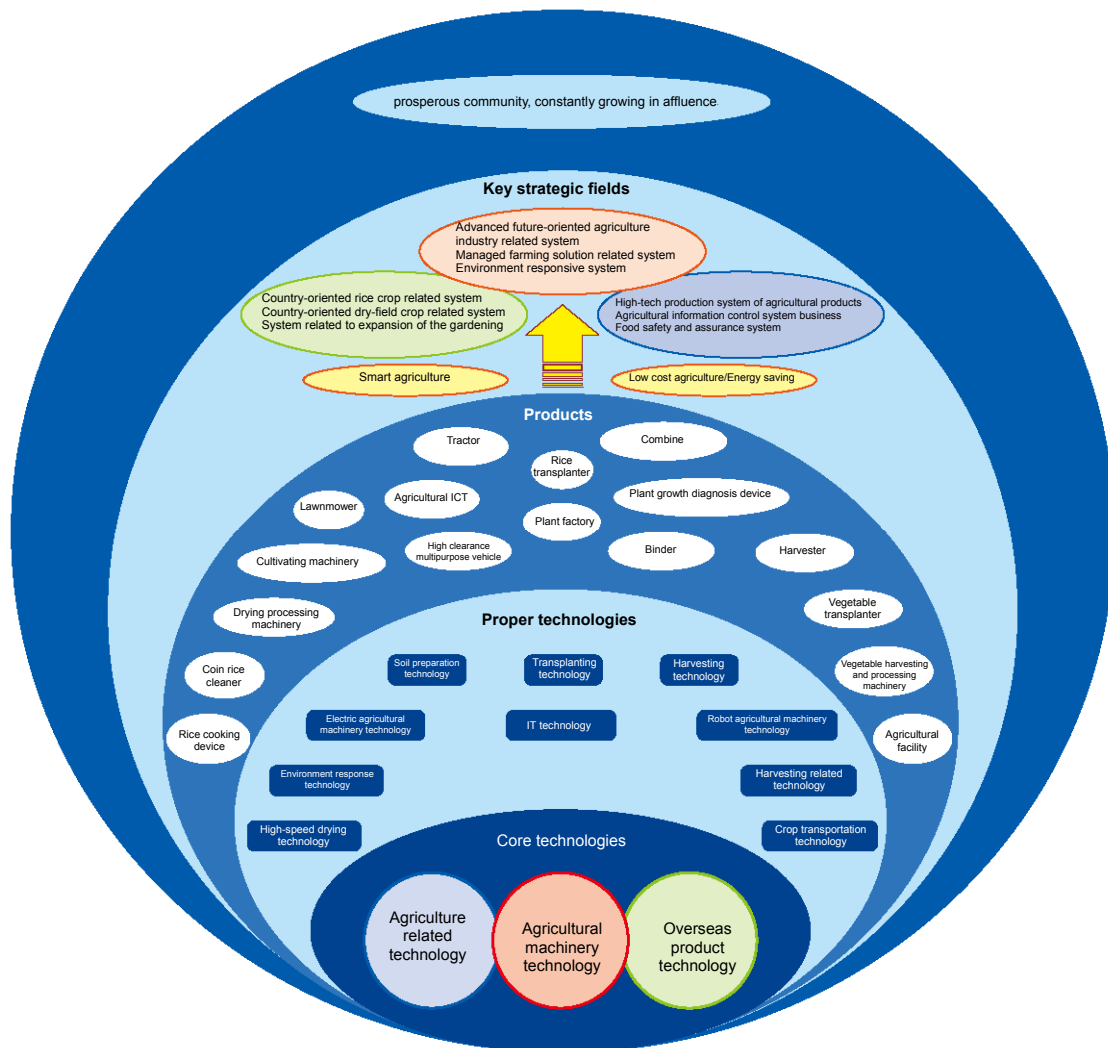
## <Basics of manufacturing>

In every sector of agricultural machinery, its related technology and overseas product technology, ISEKI has adopted 4 key words, namely “Customer satisfaction”, “Safety”, “Reassurance” and “Environment” as the “basics of manufacturing”.



## <Realization of prosperous community, constantly growing in affluence >

In particular, we make efforts to realize a “prosperous community, constantly growing in affluence” through R&D activities focusing on “low cost agriculture” and “energy saving”.



## 2. Intellectual Property Strategy

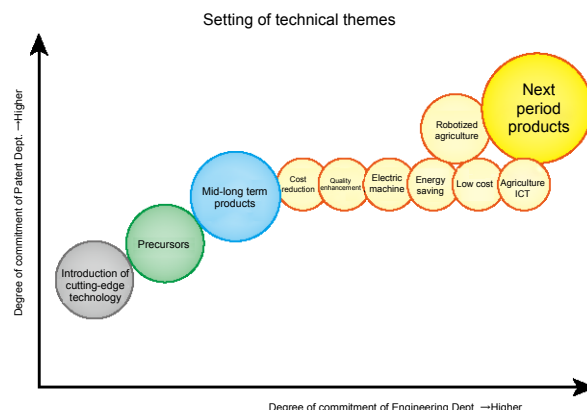
### (1) Creation of inventions/Patent application strategy

- **Analysis in the trend of technology**

We analyze the trend of technology based on patent publication bulletin and product information of our competitors to clarify the direction of their R&D activities and the position our core technologies.

- **Quality enhancement and volume expansion of inventions**

Based on the results of analyzing the trend of technology, ISEKI decides on technical themes by the consensus of the entire company. Promoting campaigns for employees to propose inventions in proactive manner, we are striving to acquire both “quality” enhancement and “volume” expansion of inventions.



- **Securing of the priority of product development**

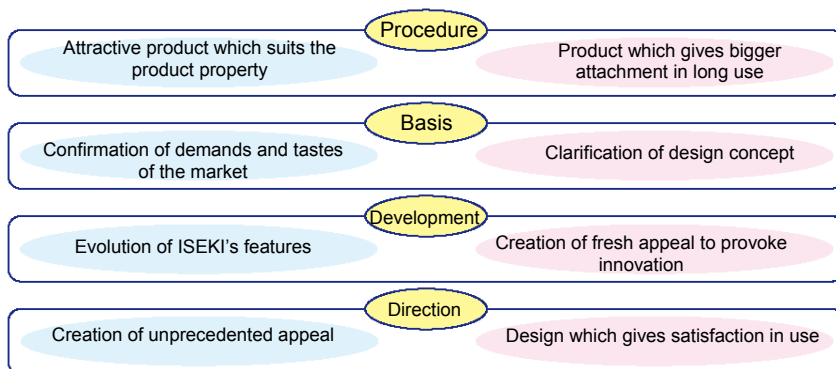
Based on our internal regulations and evaluation criteria, we severely check and select these proposed inventions. Also, we apply patents by our unique measures for efficient patent application and create a patent network, ensuring the priority of product development.

### (2) Design/ Trade mark strategy

- **Stronger design protection and enhancement of brand value**

We promote stronger design protection and enhancement of ISEKI’s brand value which we distinguish them from our competitors and accumulate attractive designs as well as affectionate pet names of design rights and trade mark rights respectively.

#### <ISEKI’s philosophy for product design>



Tractor with a refreshed design [RESPA] announced in June 2016

### (3) Global Intellectual Property Strategy

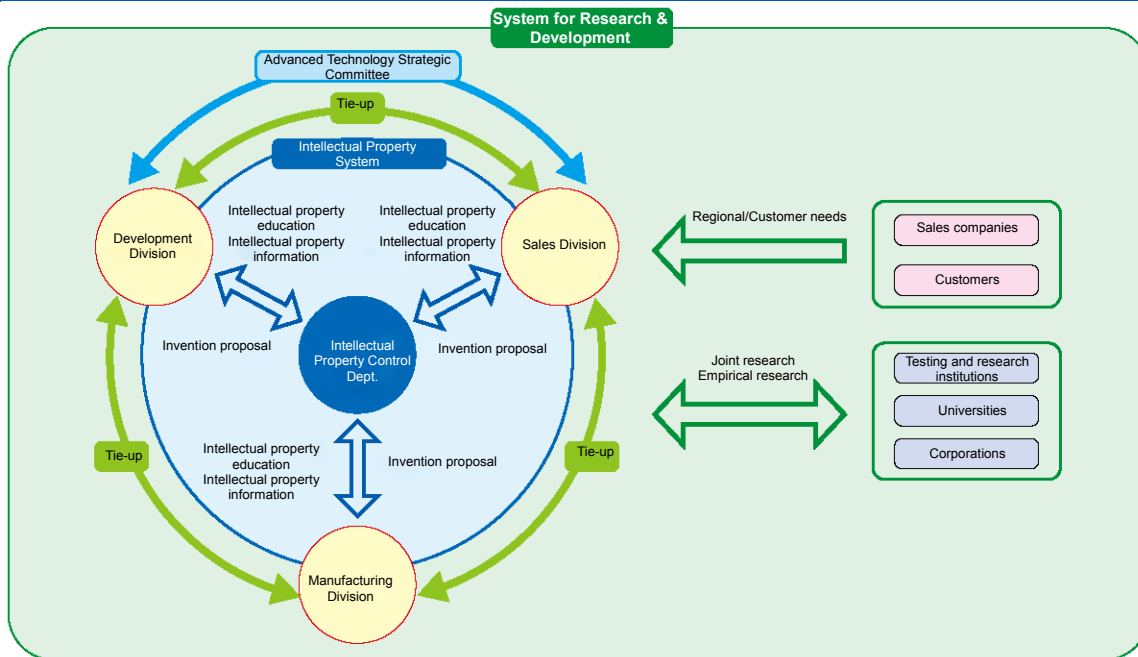
- **Securing intellectual property rights consistent with business strategy**

ISEKI is making steady efforts to secure strictly selected intellectual property rights, which are consistent with our business strategy addressed to Asian countries including China and ASEAN, the U.S., and Europe.

- **Application of highly effective technologies in each country**

We strive to improve the precision of analyzing market trends and situation of intellectual property in close tie-ups with divisions in charge of development and overseas operations as well as with patent offices in each country. Thus, we apply highly effective technologies in each country, trying to secure effective rights and accumulate such rights in each country.

### 3. System for R&D and Intellectual Property



#### (1) System for Research & Development

##### “Exerting comprehensive strength of each development/manufacturing/sales divisions”

ISEKI Group has established a system to promote R&D by exerting comprehensive strength of development/manufacturing/sales divisions through their tie-ups. We determine direction of our product strategy and R&D activities in light of needs and market trend in each area. Also, we engage in R&D that responds quickly to customer needs both in Japan and abroad.

##### “Joint R&D efforts with research institutions and universities”

To acquire more efficient and speedier R&D, we promote joint R&D in cooperation with testing and research institutions and universities with excellent technologies and research achievements.

In FY2016, we jointly conducted the studies of 8 themes with research institutions and 2 themes with universities.

##### <Product development>

##### “Accumulation of technologies and know-hows unique to product”

We engage in R&D at the time of developing new product and accumulate technologies and know-hows unique to each product.

##### “[ISEKI Engineering Training Center (IETC)] established in April 2016”

With the new facility, Engineering Training Center (IETC), we promote to improve design skills of development engineers.



Development & Production Division (Tobe-cho, Ehime Pref.)

##### “Strengthening of the system to promote state-of-the-art technologies”

In Advanced Technology Strategic Committee, the division responsible for advanced technology makes the plans for the strategy of advance technology in cooperation with each division. We promote to develop and accumulate advanced technologies including ones for crop conversion, ICT, autonomous technology etc.

##### <Manufacturing>

##### “Manufacturing of high quality/low cost products”

We strive to create high quality and low cost products based on ISEKI’s manufacturing technology nurtured over the years.

We have a system in which employees can make proposals to improve quality enhancement, cost reduction and man-hour reduction. In 2015 from April to December, more than 46,000 proposals were made.

Also, based on planning/promotion/support of the Cost Structure Reform Promotion Room established in Development Planning & Solution Department, we strive to attain low cost products by VE activities to study cost reduction mainly through changes in designing/manufacturing method/part procurement methods.

## <Commitments to advanced agriculture>

### “[Dream Agricultural Research Institute (Yumesoken)] established in October, 2015”

We established “Yumesoken” to promote research of advanced agri-business technology and support for diffusion of agri-business in cooperation with various institutions and universities.

We engage in research of advanced cultivation techniques such as labor saving/low cost cultivation and cultivation of new plant varieties, empirical study of agricultural ICT and autonomous agricultural machinery.



Dream Agricultural Research Institute (Tsukuba-Mirai City, Ibaraki Pref.)

### “ISEKI high-tech greenhouse established in the premise of ISEKI Matsuyama Mfg. Co., Ltd. in December 2015”

ISEKI high-tech greenhouse was established in order to promote R&D of advanced technology, developing human resources and diffusion of advanced technology.

We are doing a study about “intelligent food production system” with Ehime University. We also promote a study for sophistication of intelligent plant factory and enhancement of production technology in endowed courses at the university.



Model plant factory (Matsuyama-City, Ehime Pref.)

## (2) System for Intellectual Property

### 1) Administration of Intellectual Property

#### “Integrated administration system of intellectual property”

We have an integrated administration system to conduct administration/guidance/education of intellectual property of the entire Group and our Intellectual Property Control Department controls them.

#### “Rigid administration of intellectual property”

With respect to inventions and ideas, acquisition and management of rights, corporate confidential information, etc., we stipulate how to handle them in our working regulations, regulations for the handling of inventions and code of conduct of the Iseki Group, etc. and we conduct compliance in a thorough manner.

With respect to value assessment of patent rights, we established our unique “value assessment criteria of patent rights” which is used for our patent property administration, negotiation on rights, etc., and we are reviewing it sequentially to meet socially-accepted norms.

### 2) Educational system of engineers

#### “Intellectual property education/ Creativeness education”

In order to activate creativeness of the entire Iseki Group, we make efforts to provide personnel trainings, intellectual education and creativeness education.

Every year we provide intellectual property education divided by each job rank and invention proposals constantly exceed 20,000, resulting in creating advanced technologies and numerous high quality inventions.

#### “Transmission of invention-creation know-how”

We promote trainings to activate the capacity for creation as well as activities to pass down know-hows of veteran engineers to young engineers.

#### “Systematic invention-creation activities”

We let engineers from different work fields such as land preparation/transplanting/harvesting do invention-creation activities together for them to grasp farming work generally and systematically. We improve their techniques both in terms of quality and quantity through application of the technologies into other fields.

#### “Mutual study within the Group”

Iseki Group holds Technological Research Presentation every year for 26 times consecutively, where we try to improve the skills across the Group by sharing results of R&D and information and heated discussions.

#### “Incentives for invention creation”

Inventors are given incentives for their invention, such as reward for invention or awards both within and outside of the company.



Invention-creation activities

## 4. Contribution of Intellectual Property to Business (Specific examples)

### (1) ISEKI & CO., LTD. 50<sup>th</sup> Anniversary of Auto-threshing Combine Harvester

As a specific example of contribution of intellectual property to business, we introduce transition of our combine harvesters over 50 years, together with their main incorporated technologies.



Iseki has developed new technologies continually since launch of our first Auto-threshing combine harvester in 1966. With numerous inventions we have maintained competitive advantages.

Rights number (\*marked) of main technologies

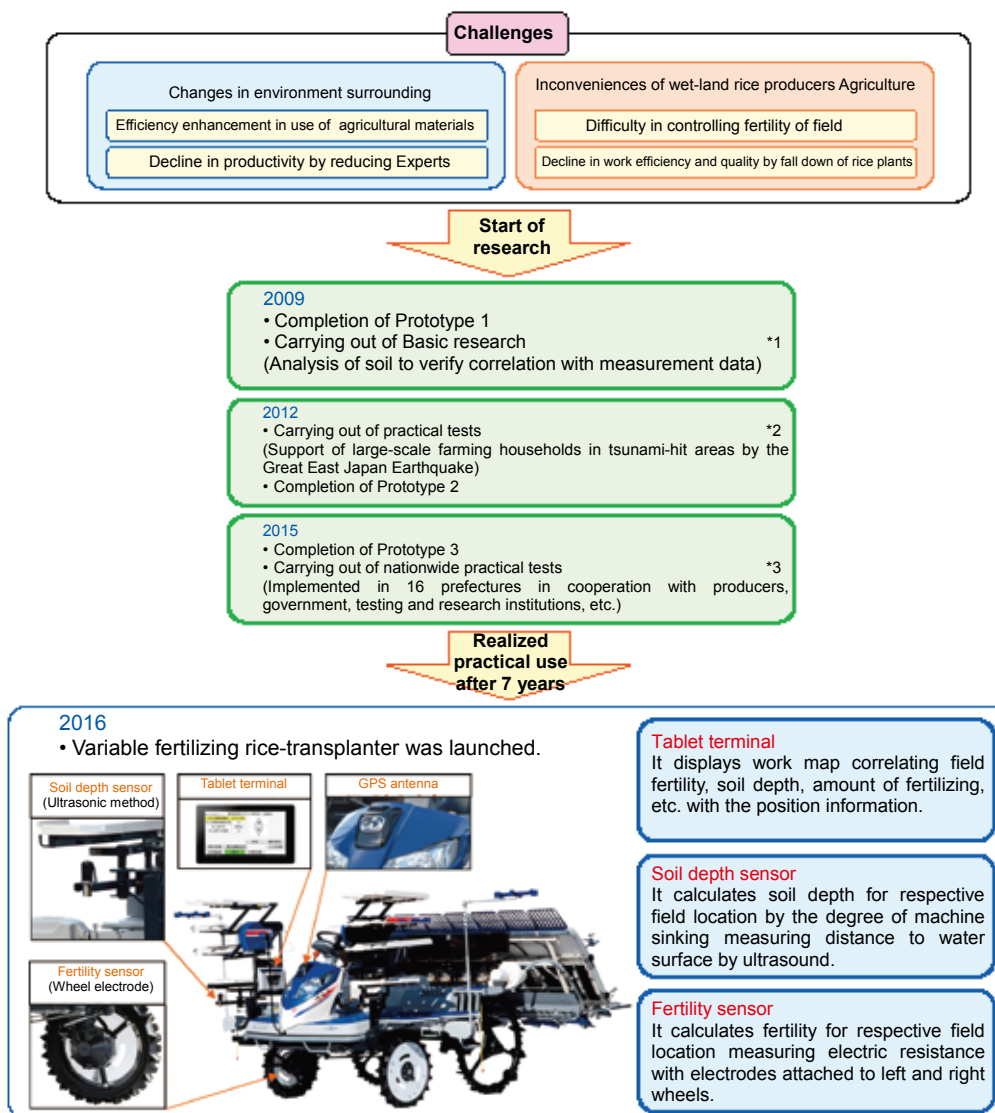
1	Utility model registration No. 868369 (Rights expired)	7	Patent No. 3282587	13	Patent No. 5212419
2	Patent No. 1752845 (Rights expired)	8	Patent No. 3747809	14	Patent No. 5046140
3	Patent No. 3041915 (Rights expired)	9	Patent No. 4367171	15	Patent No. 5517077
4	Patent No. 3156369 (Rights expired)	10	Patent No. 5332711	16	Patent No. 5924600
5	Patent No. 2885025 (Rights expired)	11	Patent No. 5471760	17	Patent No. 5641160
6	Patent No. 3146924 (Rights expired)	12	Patent No. 5035312		



## (2) Processes until the market needs are realized in products ~Development of agricultural machinery technology~

### 1) Variable fertilizing rice-transplanter

Amid substantial changes of the environments surrounding domestic agriculture, Iseki, in joint study with Ishikawa Prefectural Research Center of Agriculture and Forestry, developed variable fertilizing rice-transplanter “NP80-PFV” that enables optimum control of fertilizing in each paddy field to solve inconveniences of rice farmers.



\*1 Development project of technologies for practical use to promote new agriculture, forestry and fishery policies

\*2 Development and advancement project of advanced technologies for rehabilitation of food producing areas (Reconstruction projects from the Great East Japan Earthquake)

\*3 Robot technology introduction verification test project in agriculture, forestry and fishery industries

This variable fertilizing rice-transplanter is equipped with “soil fertility sensor”, “soil depth sensor” and “tablet terminal”. Controlling the amount of fertilizer to optimum level, it prevents lodging of rice plants and enhances working efficiency at the time of harvesting. It finally helps prevent harvested rice from degrading and paddy fields and water contaminated by excessive fertilizer.

### <Mori Technical Award, the Japanese Society of Agricultural Machinery and Food Engineers>

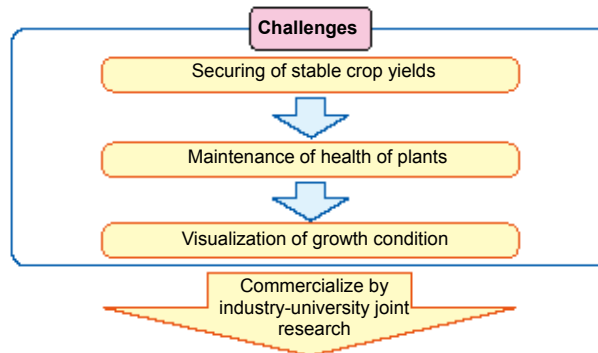
Variable fertilizing rice-transplanter received “Mori Technical Award” as a “development of smart rice transplanter”.

We believe our research which contributes to technical development of agricultural and food engineering was well appreciated.



## 2) Plant growth diagnosis device

To diffuse the plant factory from the viewpoint of food stable supply, safety, and self-sufficiency, we have commercialized plant growth diagnosis device “PD6-C” through joint-research with Ehime University.



### Feature 1

By automatic measurement of photonic synthesis capacity of plants without destruction/contact, it creates data on growth condition for each location.

### Feature 2

By labor saving verification work of growth condition of plants by human, it enables optimization of environment for each location.

### Feature 3

It enables early detection/early cure of plant disease, etc., minimize impact from uneven growth and seasonal changes and enables stable production.

This plant growth diagnosis device photographs the chlorophyll fluorescence in plants at night with CCD camera while automatically travelling in the facilities. It can measure, store and assess the growth condition of plants automatically that cannot be recognized by human eyes, which allows us to respond to disease and improvement of cultivation environments.

## <Development Special Award, the Japanese Society of Agricultural Machinery and Food Engineers>

Plant growth diagnosis device “PD6-C” received honorable “Development Special Award” in the development awards sponsored by the Japanese Society of Agricultural Machinery and Food Engineers.

This is the first product in the industry which can diagnose health and growth condition of plants by analysis of photosynthesis. Its great contribution to technical advancement of agricultural and food engineering was highly acclaimed.



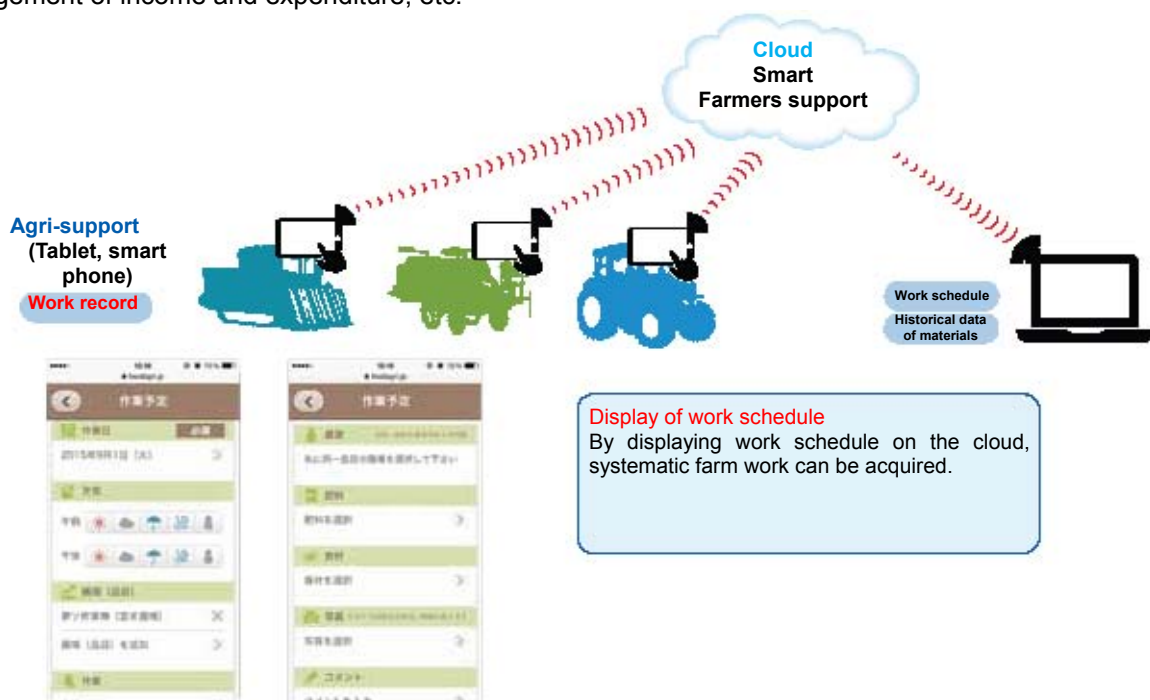
### (3) Utilization of intellectual property for business strategy

In domestic business strategy, we promote the acquisition of rights of new technologies which corresponds to changes in Japanese agriculture such as the use of ICT in farming. In overseas business strategy, we promote the rights acquisition of the technologies unique to region. Through these activities, we secure our advantages in both domestic and overseas markets.

#### 1) Domestic business strategy ~Correspondence to changes in Japanese agriculture~

##### <Agriculture related technology: Agricultural ICT>

We have applied patent of our advanced farming management systems. "ISEKI Agri-Support" connects the controller in the machinery with the mobile terminals like smartphone. It stores and displays information about operation or error messages on the terminals. "Iseki Smart Farmers Support" accumulates and analyzes agri-business information such as work performance, growth status of farm products and fertilizer/insecticide spraying performance on the cloud. It also enables following work; preparation of work plan, display work schedule on tablets, connecting with smart agricultural machinery, recording of work diary, management of income and expenditure, etc.



#### 2) Overseas business strategy ~Correspondence to global market~

##### <Overseas product technology: ASEAN>

Tractor "NT554/548" for Southeast Asia has new direct fuel-injection engine, in-house production with high horsepower and low fuel consumption, which realizes high efficient work. We filed numerous patent applications such as on its bonnet structure.

Like all-purpose combine HC868 for China, all-purpose combine for Southeast Asia "HC80P" is equipped with bar-tooth type barrel with built-in small drum and reaping reversal device. It also equips a wide crawler to prevent from sinking at wet field and a device that stirs grains in the tank at the time of ejection, which enhances work efficiency. We field numerous patent applications on the machinery too.



NT554・548



HC80P

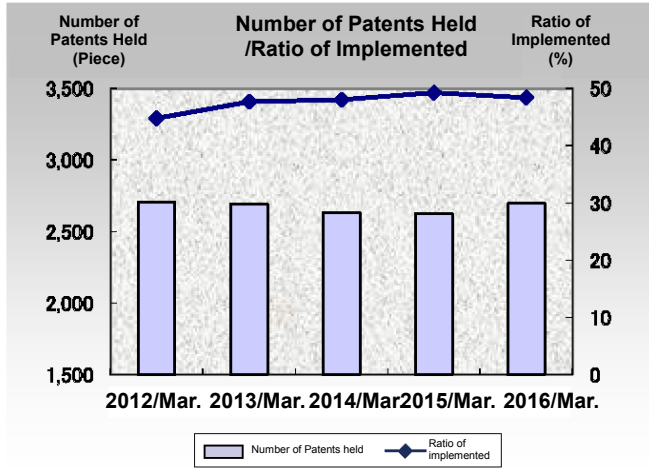
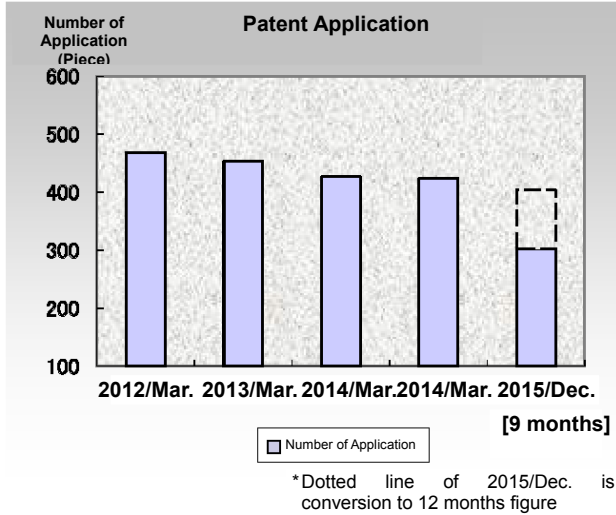
# 5. Situation of Intellectual Property/ Awards and Recognition

## (1) Situation of Intellectual Property

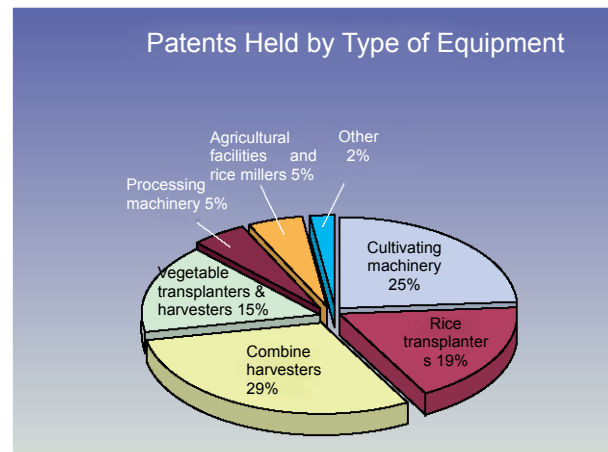
### 1) Patents held

#### <In Japan>

We make application of inventions that are strictly screened by our internal regulations and the evaluation criteria in a proactive manner. Trying to acquire and build up effective patent rights, we reached approx. 2,700 patents as of end of March, 2016.

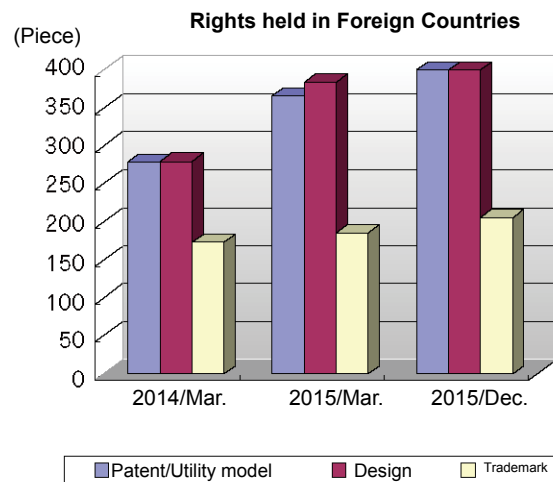
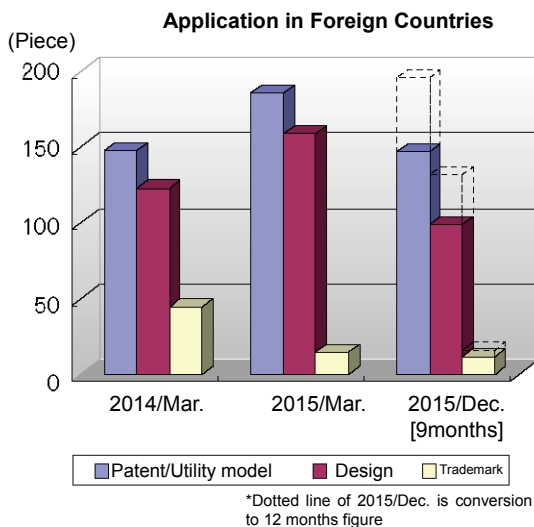


As of March 31, 2016, the number of patents held for cultivating machinery, rice transplanters, combine harvesters and vegetable transplanters and harvesters accounted for 88% of the total patents.



#### <Overseas>

We are making applications actively to Europe, USA and Asian nations including China/ASEAN. The number of intellectual property rights is one the rise every year.



## 2) Number of sectional public patents/Patent assessment ratio

### <Number of sectional public patents> First rank for 15 consecutive years

Among the sectional list of public patents in Japan, Iseki has been ranked top for 15 consecutive years, namely, in the “agriculture and fishery sector” from 2000 to 2006 and in “the other special machinery sector” after 2007 when the sector classification was changed.

Sector	Agriculture and fisheries							*The other special machinery							
Year	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Rank	<b>First</b>														

\*Since the 2009 edition, the sector classification has been changed, and agriculture and fisheries were included in [the other special machinery sector].

### <Patent assessment ratio> First rank in all industries

Iseki has maintained high patent assessment ratio every year. And it has been ranked high being top in all industries between 2004 and 2010, the second in 2011 and continued the first between 2012 and 2015.

Year	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Patent assessment ratio (%)	84.6	83.7	90.4	89.3	85.8	88.5	91.8	91.8	94.7	97.0	99.2	97.5
Rank in all industries	<b>First</b>							<b>Second</b>	<b>First</b>			

Patent assessment ratio=Number of decision to patent grant/ (Number of decision to patent grant + Number of decision of refusal + Number of withdrawals or abandonment)

\*Number of withdrawals or abandonment=the number of applications withdrawn or abandoned after notice on the reason of ejection.

(Patent Administration Annual Report 2002 edition – 2016 edition)

## (2) Awards and Recognitions

### 1) History of Awards

Iseki has produced a long list of prize-winning technical experts who received a lot of awards as follows; national decorations, national medals of honor, citations as contributor to scientific technology, citations for inventions, official commendations by the Minister of Education, Culture, Sports, Science and Technology, official commendations by the Agricultural Machinery Academy for their contribution to the development, improvement and commercialization of agricultural machinery technology.

#### <Invention of the founder>

1952

Invention by Kunisaburo Iseki, founder of Iseki “Automatic wind power control device of revolving thresher” received a “**national prize for invention**” from the Japan Institute of Invention and Innovation.

#### <Achievement of development and diffusion of auto-detachable combine>

1993

Iseki was awarded the “**President Award of the Association to Commemorate a Century of Agricultural Experimentation and Research**” (jointly sponsored by the Ministry of Agriculture, Forestry and Fishery and the Association to Commemorate a Century of Agricultural Experimentation and Research) in recognition of our development and diffusion of Auto-threshing combine harvesters of which commercialization was achieved by us for the first time in Japan.

#### <Award for Excellent Enterprises Active in the Patent System>

2008

Iseki received the “**Meritorious Award for Intellectual Property**” (Award for Excellent Enterprise Active in the Industrial Property Rights System, Commissioner of the Japan Patent Office Award) in recognition of our traditional management of placing importance on intellectual property rights.

## 2) National Awards for Invention/ Regional Awards for Invention

Iseki has received award from the public utilities corporation, the Japan Institute of Invention and Innovation every year, and to date, 208 awards including 18 national awards have been received. The frontier spirit of the founder towards research and development has been succeeded consistently, which created within the Company to create new technology with practical value through intellectual and creative activities.

Number of Award-winning Inventions 208 (As of October, 2015)

○ National Awards for Invention 18

○ Regional Awards for Invention 190

National Awards for Invention	President's Award of the Japan Institute of Invention and Innovation	1
	The Asahi Shimbun Award	1
National Awards for Invention		2
Invention Awards		14
Special Awards	Encouragement Award of the Minister of Education, Culture, Sports, Science and Technology (Former Encouragement Award of the Director-General of the Science and Technology Agency)	9
	Encouragement Award of the Commissioner of the Japan Patent Office	6
	Award of the Director-General of the Regional Bureau of International Trade and Industry (Award of the Director-General of the Shikoku Regional Bureau of International Trade and Industry)	8
	Encouragement Award of the President of the Japan Institute of Invention and Innovation	7
	Encouragement Award of the president of the Japan Patent Attorneys Association	4
	<b>Total 34</b>	
	Award of the President of the Ehime Institute of Invention and Innovation (District Head Award)	14
	Outstanding Invention Awards etc.	37
	Invention Encouragement Awards	104
	Invention Encouragement and Merit Award	1

<Fiscal Year 2015 Shikoku Regional Invention Award>

- Award of the President of the Ehime Institute of Invention and Innovation 1  
Patent No. 5332717  
Stuck grain recovery mechanism of combine

- Invention Encouragement Prize (3 awards)  
Patent No. 4013429 Turning control device of tractor  
Patent No. 4935191 Brake operating device of small rice transplanter  
Patent No. 4293085 Flexible container compatible carrot harvester

3) History of Main Awards for R&D

Awarded Fiscal Year	Name of Awards	Details of Awards/Object
1952	National Awards for Invention, Special Award	Automatic wind power control device of revolving thresher
1954	National Awards for Invention, Invention Award	Automatic rope slant control device of rice huller Banseki
1956	National Awards for Invention, Invention Award	Second processing device of self-feeding thresher
1959	National Awards for Invention, President's Award of the Japan Institute of Invention and Innovation	Feeding device of thresher
1960	National Awards for Invention, Special Award	Rice plant mower with binding device
	National Awards for Invention, Invention Award	Rice break preventive device of self-feeding thresher
1961	Regional Awards for Invention, Encouragement Award of the Director-General of the Science and Technology Agency	Second slot delivery machine to install to thresher
	National Awards for Invention, Invention Award	Second slot delivery machine to install to thresher
1962	National Awards for Invention, Invention Award	Rice huller
1963	National Awards for Invention, Invention Award	Suction selection type thresher
1964	National Awards for Invention, Invention Award	Rice huller
1966	National Awards for Invention, Invention Award	Power transmission device of power tiller
1968	National Awards for Invention, Invention Award	Crimp net frame removal device of thresher
	National Awards for Invention, Invention Award	Pressure control grouping device of reaping binder
1969	Regional Awards for Invention, Encouragement Award of the Commissioner of the Japan Patent Office	Reaping thresher
1970	National Awards for Invention, Invention Award	Reaping thresher
	National Awards for Invention, Invention Award	Tilling device of power tiller
1975	Regional Awards for Invention, Encouragement Award of the Commissioner of the Japan Patent Office	Rice planting device of rice planter
1976	Regional Awards for Invention, Encouragement Award of the Director-General of the Science and Technology Agency	Rice feeding device of rice planter
1978	Regional Awards for Invention, Encouragement Award of the Director-General of the Science and Technology Agency	Traveling device of rice planter
1979	National Awards for Invention, Asahi Shinbun Award	Traveling device of rice planter
1981	Regional Awards for Invention, Encouragement Award of the Director-General of the Science and Technology Agency	Grain haulm transfer device of combine harvester
	Regional Awards for Invention, Encouragement Award of the Commissioner of the Japan Patent Office	Reaping portion vertical position control device of harvester
1982	Regional Awards for Invention, Encouragement Award of the Director-General of the Science and Technology Agency	Traveling device of rice planter
1983	Regional Awards for Invention, Encouragement Award of the Director-General of the Science and Technology Agency	Planting device of rice planter
1985	National Awards for Invention, Invention Award	Seeding raising method
1993	President's Award of A Century Commemorative Society of Agricultural Testing and Study	Development and diffusion of auto-threshing combine harvester
1998	Regional Awards for Invention, Encouragement Award of the Commissioner of the Japan Patent Office	Rice transplanter with fertilizing device
	The Japanese Society of Agricultural Machinery, Mori Technical Award	Research concerning development of hydroponic seedling raising and transplanting technology of wet rice
2000	Regional Awards for Invention, Encouragement Award of the Director-General of the Science and Technology Agency	Transmission device of speed-change gear of combine harvester
2002	Regional Awards for Invention, Encouragement Award of the Minister of Education, Culture, Sports, Science and Technology	Transplanter
2003	National Awards for Invention, Invention Award	Transplanter
2004	Regional Awards for Invention Encouragement Award of the Commissioner of the Japan Patent Office, The Japanese Society of Agricultural Machinery, Kansai Branch, Technical Development Award	Agricultural work machine Development of air emission system of small size general purpose combine harvester
2005	Encouragement Award of the Minister of Education, Culture, Sports, Science and Technology, Development Division, Science and Technology Award	Development of high performance riding type rice transplanter
2006	The Japanese Society of Agricultural Machinery, Academic Award	Research on wind selection of gain by combine harvester
2008	Intellectual Property Merit Award, Award for Excellent Companies utilizing Industrial Property Rights, Award of the Commissioner of the Japan Patent Office	Patent utilizing excellent company
2010	Regional Awards for Invention Encouragement Award of the Minister of Education, Culture, Sports, Science and Technology	Speed-change control system of powered vehicle
2010	FOOD ACTION NIPPON Awards 2010, R&D/New technology, Excellent Award	Sparse planting rice transplanter
2011	FOOD ACTION NIPPON Awards 2010, R&D/New technology, Excellent Award	Development of industry's first 7 lane reaping combine harvester "HJ7120"
2012	Regional Awards for Invention Shikoku Bureau of Economy, Trade and Industry Bureau Head Award	Fertilizer air emission system fertilizing machine
	FOOD ACTION NIPPON Awards 2012, R&D/New technology, Excellent Award	FOOD ACTION NIPPON Awards 2013, R&D/New technology, Agricultural machine that can be driven with a feeling Excellent Award r/ Development of [Far-infrared rays grain drying machine]
2013	FOOD ACTION NIPPON Awards 2013, R&D/New technology, Excellent Award	Agricultural machine that can be driven with a feeling of a car which increased efficiency of farm work (Tractor GEAS NTA)
	Development Award of the Japanese Society of Agricultural Machinery and Food Engineers (Old Agricultural Machinery Society) Development Awards, Development Special Award	Developed product "Tractor GEAS NTA"
2014	Regional Awards for Invention Encouragement Award of the Commissioner of the Japan Patent Office	Land preparation rotor of walking-type rice transplanter
	FOOD ACTION NIPPON Awards 2014, R&D/New Technology Excellent Award	Plant growth diagnosis system to enhance productivity of sun light plant factory
2015	FOOD ACTION NIPPON Awards 2014, R&D/New Technology Award	Development of rice transplanter new model "SANAE NP series"
2015	Development Award of Shikoku Branch, Japanese Society of Agricultural, Biological and Environmental Engineers and Scientists	Product development "Plant diagnosis device"
2016	Development Special Award of Japanese Society of Agricultural Machinery and Food Engineers	Product development "Plant diagnosis device PD6-C"
	Mori Technical Award of the Japanese Society of Agricultural Machinery and Food Engineers	Research results "development of smart rice transplanter"

\*Regarding Regional Invention Awards, only special awards have been posted.

Iseki Group will continue to contribute to society through development of innovative agricultural technologies.

## 6. Information on Legal Actions Related to Intellectual Property

There is no suit at issue related to intellectual property rights which could affect our management in or outside the country. In promoting our business and R&D, we will implement intellectual property strategies steadily with the greatest of care.

### [Corporate Data]

<b>Company Name</b>	ISEKI & CO., LTD.
<b>Head Office</b>	700 Umaki-cho, Matsuyama, Ehime, Japan Tokyo Headquarters 3-14, Nishi-Nippori 5-chome, Arakawa-ku, Tokyo, Japan
<b>Foundation</b>	August 1926
<b>Paid-in Capital</b>	23,344 million yen (as of December 31, 2015)
<b>Employees</b>	Consolidated: 6,021 (as of December 31, 2015)
<b>Principal Business</b>	ISEKI'S principal business is the manufacture and sale of following products; Cultivating machinery: Tractors, Tillers, High clearance multipurpose vehicles, Mowers Planting machinery: Rice transplanters, Vegetable transplanters Harvesting machinery: Combine harvesters, Binders, Harvesters Processing machinery: Rice hullers, Dryers, Rice Cleaners, Rice Graders, Vegetable harvesting and Processing Machinery Others: Farming implements, Repair parts, Agricultural facilities

### [Cautionary Statements]

1. This booklet has been prepared to provide information to the public and is not intended to solicit any kind of action.
2. This booklet contains the results of the Company's analyses, including forward-looking statements regarding the outlook for the Company, its plans, policies, prospects, strategies, interpretations of facts, and other information related to the future. All such statements and other information are based on forecasts, assumptions, plans, and other information collected by the Company at the time of preparation of this booklet.
3. In preparing forecasts, with the exception of known facts, the Company makes use of certain assumptions. There are no guarantees that these assumptions are objective and accurate or will prove to be true in the future. These assumptions are dependent on technology and demand trends in Japan and in other countries, economic conditions, competitive conditions, and other factors. If these assumptions change, it is possible that matters and outcomes, other than known facts, stated in this report may differ from the statements in this publication.
4. Data on the number of patents made public stated in this publication, the number of patents held, and other data related to intellectual property are those of Iseki Co., Ltd., and do not include data on subsidiaries or affiliates.

### For further information, please contact the following.

Intellectual Property Control Department  
Development & Production Division, ISEKI & CO., LTD.  
1 Yakura, Tobe-cho, Iyo-gun, Ehime, Japan 791-2193  
Tel: +81-89-956-9810  
Fax: +81-89-956-9818  
URL: <http://www.iseki.co.jp/>  
E-mail: [shared-s41300@iseki.co.jp](mailto:shared-s41300@iseki.co.jp)



Intellectual Property Reports can be viewed at our Website too.



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<http://www.iseki.co.jp/company/intellectual/>

