

Farmer Development

Farmers are an important part in driving the global economy, the originator of the 4 factors of mankind: food, clothing, housing and medicine. At present, Thailand is considered one of the producers of the agricultural commodities which are the most important exports in Southeast Asia and the key to sustainable economic development.

Thai Wah is a manufacturer and exporter of flour and starchy food products. Farmers are the main suppliers of the raw materials. We are committed to improving lives throughout the food production from upstream to the downstream supply chain. With the intention to create value together with innovation and sustainability for the continuity of food production to meet the needs of consumers, professional raw materials management is therefore required. The promotion of good agriculture is an important factor.

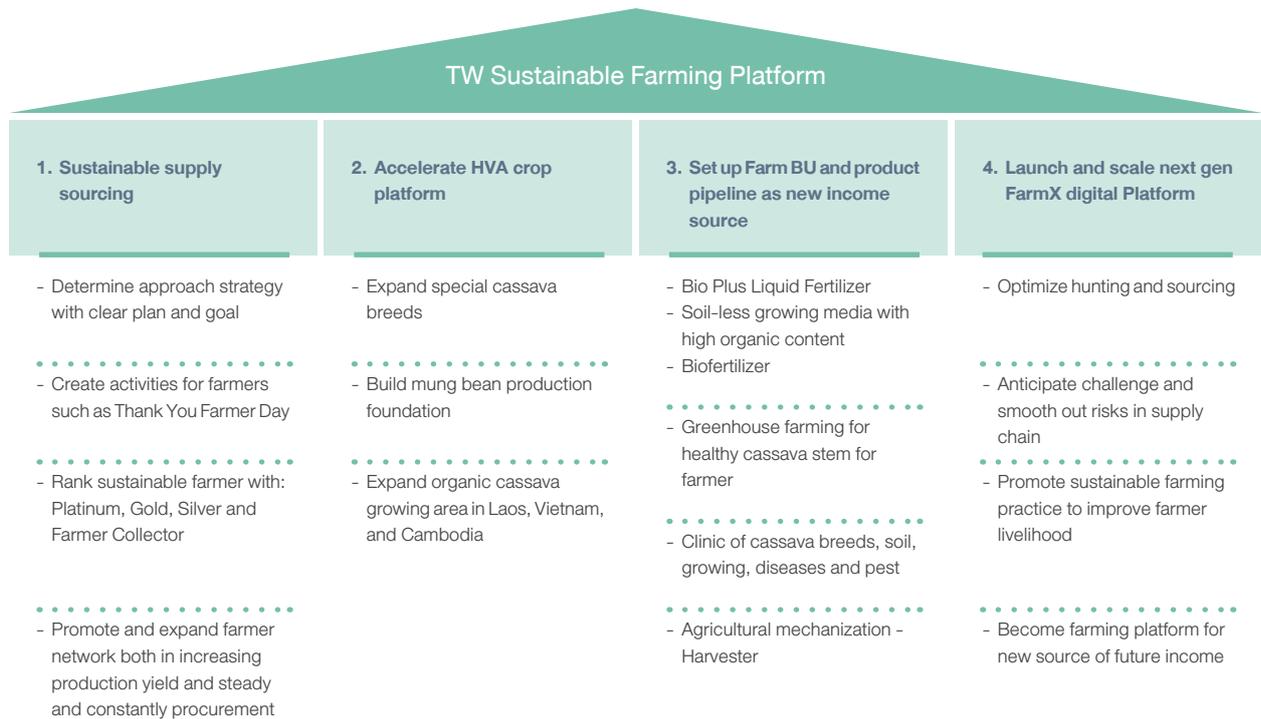
Throughout the years, the Company has focused on the development of farmers as a policy and clearly set a goal to provide farmers with the knowledge and access to resources through modern and smart agricultural technology and innovation in the present day. In addition, Thai Wah has applied various technologies and innovations as an agricultural tool to help find solutions for farmers and help develop the potential of the Thai agricultural sector to reach better standards. In 2021, Thai Wah adopted the principles of TWPC Sustainable Agriculture and accepted international standards as a direction of promotion for the Thai Wah Farmer Network in order to support farmers to cultivate in a more sustainable manner according to international principles. It covers 3 dimensions of the country: society, economy and environment. Therefore, customers and consumers can be assured of quality and safety at the beginning of the raw materials procurement, as well as production and handling to consumers.

Despite the continuous business growth and the wider network of the supply chain, Thai Wah remains committed and fully developed to encourage farmers to produce the agricultural products responsibly by focusing on promoting the participation of business partners through cooperation with network partners in various sectors such as the government, private sector, community and the NGOs, etc.

Sustainable Development and Management of Supply Chain

Amidst the rapidly changing business environment, economic challenges, increase in population, and limitation of natural resources, which have significantly affected the quantity and quality of agro products, Thai Wah is well aware of the need to manage and develop a supply chain in a sustainable manner as we believe that supply chain is the key to business efficiency and success. The focus has been made in all related procedures, from the supply of raw materials and production processes to sales of products in a responsible and environmental-friendly manner. The Company also strives to conserve and rehabilitate watershed areas in a bid to promote natural resource security that is fundamental to people's livelihood, and maintain balance and sustainability of our business operation, as well as to develop innovations and technologies to enhance the capacity of agricultural and associated food supply chains.

Strategic Plan and Model towards Agricultural Sustainability



Sustainable Agriculture



TWPC Sustainable Agriculture

Nowadays, the world's trends are changing all the time at a high speed. A wide variety of agricultural products around the world have evolved into sustainable agriculture. As in Thailand, sugar cane and oil palm business, as well as fishery and ready-to-eat food, have been mainly brought up as important issues that are able to affect the business potential both in production and marketing, including trade restrictions that banned exports to other countries where highly strict environmental regulations are applied.



For many years, Thai Wah has been highly aware of its social and community responsibility. Thus, there has been an action for sustainable agriculture through cooperation with various organizations recognized and supported by global constituents. Being a developer of terms of use as a guide in sustainable agriculture (FSA), Thai Wah has used such terms of use as a direction in the implementation of sustainable development projects for Thai Wah farmers by providing them with the knowledge and technology in order to develop their own areas and communities and building a business foundation for the new generation of farmers who want to return to their homeland for development. It is considered a pro-active approach to address these needs at the national level such as global warming, climate change and various current disasters of the world. It covers the acceleration of the enforcement of many related laws such as Forest Invasions, No Child Labor or Forced Labor and prohibition of the use of highly hazardous agrochemicals, etc.

To raise the standards of Thai agriculture to be accepted by worldwide consumers, Thai Wah has collaborated with many partners in driving agricultural sustainability: enhancing knowledge and technology for farmers to develop their lands and communities in accordance with international principles and laying a business foundation for the new generation of farmers who want to return to develop their homeland. TWPC Sustainable Agriculture Project is implemented by covering 3 dimensions of issues: society, economy and environment.

Thai Wah Sustainable Agriculture Collaboration



- **Farmers’ Life Improvement Project Through Science, in collaboration with National Science and Technology Development Agency (NSTDA)**

In order to improve the quality of farmer’s lives including helping reduce environmental impact and the risk of agricultural products shortage in the future, Thai Wah is one of the private sector companies that have cooperated with NSTDA, government network, educational institutions and civil society. In 2021, the Thung Kula Ronghai area was chosen as the target area (Area base), owned by the governor of 5 provinces, namely Surin, Sisaket, Maha Sarakham, Roi Et and Yasothon. This project has incorporated all 3 elements of sustainability into an action plan. It aims to find approaches to drive the improvement of the quality of farmer’s lives, enhance career and income, alleviate inequality issues and lead to sustainable poverty amelioration through the use of scientific knowledge technology and innovation transfer as a driving tool and integrated work for better productivity. Especially promoting the cultivation of mung beans of Thai Wah, it can be a crop generating income for each household. Normally, after 4 months of farming, the area will be abandoned for another 8 months. Therefore, the mung bean is a plant that can improve the area in order to make more use of the land. The Company encourages farmers to sow the seeds immediately after the farmers have harvested the rice.

In 2021, more than 500 farmers participated in the project, with cultivation area totaling over 3,000 hectares, resulting in farmers earning an additional 2,200 baht per rai from farming alone. In addition, mung bean plants help nourish the soil to be more fertile, reduce the use of chemical fertilizers and save costs sustainably. It is a project that received a lot of attention in the initial stage. Thai Wah plans to expand to tapioca in 2022, with the total area of cultivation at 10,000 rai.

Under the promotion, agricultural scientists at the Thai Wah Company have embedded knowledge on sustainability and encouraged to find cost reduction factors, created groups that help each other in the knowledge exchange as well as new innovations applied. These lay the foundation for farmers to ultimately arrive at sustainability principles.



On November 8-12, 2021, the executives and related teams of the Company traveled to the Thung Kula Ronghai area in each province for joint discussions with the NSTDA, government sector network, institutions and civil society in order to find an approach to drive the improvement in the quality of farmers' lives in the Thung Kula Ronghai area.

The program has a duration of 3 years and the following indicators:

1. Upgrade the targeted poor in the economic dimension of Thung Kula Ronghai area at least 50 percent to have their incomes crossing the poverty line (with more than 38,000 baht per person per year)
2. Approximately 20,000 farmers in the Thung Kula Ronghai area have access to technology/begin to enhance the production efficiency of local produce.

- **The Tapioca Farmer Community Education, Tapioca Production Technology in Non-degree Course Project, Kalasin University**

The objective of the project is for tapioca farmers in Kalasin province, which consists of 4 districts, namely Don Chan, Nong Krungsri, Namon and Samchai, where 80 farmers participate in the class as students. The courses cover new innovative technologies, varieties, suitable cultivation method, water system, fertilization, pest control, market access and demand and supply principle. The university with Thai Wah Company creates the courses for the farmers and students to comprehend the subjects at upstream and downstream production, as well as the sustainability philosophy of tapioca cultivation.

- **Plang Yai Cassava Community Enterprise Establishment Project at Non-Sa-at District for Sustainable Agriculture**

For the large community enterprise for tapioca at Non-Sa-at District, 16 committee members in the enterprise had a meeting with a resolution to join Thai Wah Company's sustainable agriculture project. The working plan initiated on tapioca production standards, refined agriculture, grouping for strength and accounting. The staff from both agricultural academics and marketing department are mentors. There is also a plan to cover all 3 dimensions of sustainability in a concrete manner.

- Sustainability Project Under the Cooperation of the Office of the Agricultural Council of Tak Province

Poverty, low production prices, drought, and land of farmers in 9 districts of Tak province were brought up by the Office. Farmers affected by these issues gathered to find solutions and raised the sustainable quality of life for farmers in Tak Province, which is the poorest area of the country after Mae Hong Son Province. The action began in 2021 by listening to the problems, limitations, and opportunities of farmers in different areas of Tak Province. Therefore, there was an initiation with the support that could be done immediately such as the tapioca planting for price insurance project, water system for agriculture, fertilizer promotion project for soil improvement and mung beans planting with price insurance, etc.



Empowering Young Farmers for A New Generation

Changes in agriculture at the youth level will also affect the level of national security in the future as the young people are the main force of the country in driving, developing, creating and transforming strong and well-being communities, able to adapt under the changing world. Therefore, Thai Wah has placed an importance on supporting the development and promotion of youth agricultural careers, beginning with embedding good consciousness in farming, creating food sources and key sources of life energy. It is especially the creation of an attitude for the young to love their homeland and community as a driving force for the development of the local and national agricultural sector in the future.

Agricultural promotion for the young people is to create an attitude base for agriculture in the right approach by learning and following the Philosophy of Sufficiency Economy in integrated farming, safe agriculture and organic agriculture. It also supports the young people to have a good quality of life, linking them to the community by creating a strong and self-reliant community. It is also the cultivation of consciousness, providing the new generation a better understanding of agriculture with an inspiration for farming and economic stability in the community and society. These can affect the security of the nation and in accordance with the government's policy guidelines and the national economic and social development plan.

Currently, none of the organization can work alone on sustainability. It must arise from cooperation among the various sectors to make more positive impact on the community faster and reduce risks in future business operations (License to Operate). It is very crucial that the private and public sectors work together to drive the development of new innovations with various social sectors like Thai Wah. We are working with government agencies, business alliances, research institution, leading universities in Thailand in creating economic, social and environment as follows:

Objective

1. Encourage the new generation of farmers to have a better understanding of agriculture, able to continue to develop knowledge in the community
2. Improve the image of agriculture for children and the youth, provide knowledge of mixed plant cultivation and include the use of various agricultural technologies

- **Thai Wah Sustainable Agriculture Project (Model Farm at School)**

This project aims to encourage the new generation to have and access knowledge in integrated farming, safe agriculture and organic agriculture, able to be further developed as a model for farmers in the community for planting area development and bringing potential farmers back to the community. The approach is to apply the knowledge learned from the project and agricultural technology to develop products, coupled with the use of smart farming technology (Smart Farm). It begins with the youth in schools and expands to families and communities, respectively, in order to strengthen the agricultural industry of the country. Thai Wah is ready to provide funding throughout the project and has selected a secondary school in Mae Sot District, Tak Province as a pilot community in 2021.

Due to the situation of the COVID-19, students are unable to take care of agricultural areas continuously. Therefore, the Company has a plan to work with experts to develop better agricultural plots and prepare to expand the project to other areas.

- **Cooperation to Transfer and Exchange Knowledge on Sustainable Agriculture**

Thai Wah has partnered with leading universities in the field of agriculture in Thailand such as Kalasin University, Faculty of Geoinformatics and the GIS Innovation Center, Burapha University, Faculty of GSSE, Thammasat University, School of Global Studies, Thammasat University (SGS) as speakers in sharing knowledge and training on agriculture: harvesting, innovative application of spatial technology, farm management robot drone and tapioca cultivation for dissemination and further development to farmers in the area. In addition, the Company has given students the opportunity to learn how to work in a realistic manner in order to exchange knowledge and skill from different perspectives.

In addition, Thai Wah has developed a platform called “SD Journey by Thai Wah”, the path of sustainable development. The purpose is to tell a story of Thai Wah’s journey towards sustainability, including the development path of working with farmers for more than 75 years that Thai Wah has been committed to be a part of supporting the Thai agricultural sector to be strong with sustainable growth together. It is another knowledge base for transfer and dissemination to the public. The content we would like to share with everyone through this page are stories of the way of life of the new generation of farmers who returned to farming in their hometowns, agricultural technology that helps increase productivity, health, nutrition and natural resources awareness. We let everyone participate in this journey.



“ At Thai Wah, we want everyone to move towards sustainability together.”

Thai Wah supports Thai farmers towards “Sustainability”



Agri-Tech



Medd-Paan-Kla



Healthy Food



Work-Life Balance



Save Earth

- **New Generation Preparation Project for Homeland Return: Driving the Economy Through Community Business (Roots Incubation Program)**

Today, more people choose to migrate to work in the city for more income and better quality of life. However, data from the World Cities Report 2020 by UN-Habitat reveals that Thailand ranked 3rd among the most urbanized countries. There are 35.7 million urban dwellers, or 51.4 percent of the country's total population and there will be a trend of continuously high rates. This is considered an important factor that causes problems such as the increasing inequality of people in society, infrastructure shortage and environmental issues.

Therefore, in order to find solutions for the issues in urban society and develop communities, Thai Wah has supported the Roots Incubation Program to provide opportunities for the new generation, who feel whole-hearted for their homeland and want to make a change, come and learn from real business experience. The Company is ready to support the development of business ideas that will help drive the dream come true. In the project, there are experts who share their experience and advice in various fields to help strengthen the creativity of each participating team and further develop knowledge by taking into account the impact on society and basing on sustainability through 5 topics: 1. Discovering Yourself – understanding oneself from the inside before changing the outside world 2. Business Building – building business ideas with understanding and focusing on values 3. Creating Impact – seeing the impact on society and environment with all-around perspectives 4. Branding & Digital Marketing – practicing communicating ideas to the target audience with satisfaction and 5. Community Leadership - heading towards leadership that will make the homeland better with our hands.

Roots Incubation Program has an intention to design and implement projects in order to prepare the new generation to be able to bring the knowledge, skill and experience gained for project development or business establishment at home as one has dreamed of.





- Where Profits Meets Purpose in Social Enterprise Thailand Forum 2021

The Company joined with the Social Enterprise Thailand Association (SE Thailand) in the Social Enterprise Thailand Forum 2021 under the theme “Where Profits Meet Purpose” in the form of an online seminar. This purpose of this forum was to invite leaders from international organizations, government agencies, the private sector and social businesses, who wanted to drive social change together, come to talk and exchange activities that promoted social entrepreneurship and social strategy adjustment of business organizations. Experience, challenges and business opportunities that can make real changes could be shared and business problems were discussed together in order to gain success.

In this time, the Company was honored by various agencies involved, including NSTDA, Governor of Sisaket Province, Rajamangala University of Technology Isan and representatives of farmers from the National Farmers Council, who participated as speakers at the said event about the topic “Sustainable Agriculture for a Better Life.”

Coping with Climate Change and Disease Outbreak

Climate change has an inevitably impact on every business sector in an unpredictable way, the Company, thus, focuses on promoting resilience to mitigate risks that may impact our security for sourcing of agricultural raw materials and production process. Thai Wah has established both short-term, medium-term, and long-term strategic management plans to enhance resilience to the climate change, i.e., research and development on new durable varieties and raw material substitutes, and identification of additional raw material sources, etc., to diversify risks related to climate change and the outbreak of diseases, which may impact current sources of raw materials.

Mr. Umnat Sukprasongphol, Managing Director of Starch Business attend a tapioca trade information exchange event situation of tapioca and starch production trade trends in cassava production in Thailand and neighboring countries, including the situation of cassava mosaic disease. So that the members of the association acknowledged the current situation of cassava trade and future trends. The meeting was held at the Thai Tapioca Trade Association (TTTA) every quarter.

- **Thai Wah Cassava Research and Multiplication Program**

Greenhouse farming project for urgent production of cassava seedlings has been implemented to tackle the spread of cassava mosaic disease (CMD) in Thailand, Vietnam, and Cambodia, which has occurred since 2018, seriously damaged cassava farm and cassava industry in the country. An inadequacy of disease-free seedlings for cultivation, caused a significant reduction in productivity. Thai Wah, in collaboration with the Thai Tapioca Development Institute (TTDI), implemented the project to provide our farmer-members, with technology and knowhow for urgent production of cassava seedlings.

In 2021, there were 613,000 plants of x20 seedlings, which were bred and distributed to the farmers in the network. The number was less than 2020 due to the limitations of COVID-19. However, we have 539,000 more farming areas for cassava from the mentioned seedlings than in 2020. In 2022, the company also aims to construct 12 open-air greenhouses near the factories all over the country, covering both Vietnam and Cambodia. As a result, this project can help reduce the cost of cultivation for farmers from the purchase of and seedlings, no less than 600-1,000 baht per rai. This is to ensure sufficiency of disease-free seedlings for farmers during the next cassava planting season.

Thai Wah also strives to help generate incomes and uplift quality of life of the farmers by propagating new variety of waxy cassavas, of which its agronomic traits are higher quality and higher yield, to increase crop values. This is also in line with the Company's strategy to establish Thailand's role in the global tapioca starch industry through increase of economic values and exportation.

	2019	2020	2021	Target 2022
Number of Greenhouse farming (place)	3	10	10	12
Production of disease-free X20 per year (seedling)	174,454	362,151	613,000	750,000

X20 multiplication of CMD-free cassavas is an easy process. Twenty disease-free seedlings will grow from one stem in a month, instead of 4-5 seedlings per stem as before.



Responsible Supply Procurement

From the company’s strategies for sustainable agriculture, effective materials sourcing could help smoothen the business operations continuously. Moreover, materials sourcing with responsibility could help the business grow sustainably together with the farmers and communities. The company has indicated the strategic guidelines for materials management, such as exploring the major materials sources of production of the company, in order to help in analyzing the materials management for the factories to make it sufficient for both present and future production. Apart from agricultural materials sourcing, which is our main material, we also realize the essence of materials management of other types, including packaging, warehouse and transportation.

The company is determined to support the communities in the long term by the innovation of supporting sustainable communities. The initiative for our agricultural communities is to build the “Thai Wah Farmer Network,” which is the place to present the knowledge about modern agriculture and agricultural technology, such as scalable agriculture and the best solution for smart farms in the region by Thai Wah, to the farmers. The research and collaboration to develop the stated knowledge and technology are for the purposes of supporting people’s health; improving the global overall supply chain to respond to the future needs; and enhancing farmers’ living. Key operation plans include:

THAI WAH FARMER NETWORK



- Secure sourcing supply
- Transfer knowledge & Technology to farmers
- Build strong regional Farm network

AG TECHNOLOGY



- Co-develop technology for precision farming
- Enhance analytics capability to predict yield, supply, and price

SMART FARMING SOLUTIONS



- Farming solution package for farmers for multiple crops
- Service through financing, education, marketplace
- Innovate agricultural inputs to improve yield and promote regenerative agriculture

ROOT STATIONS



- Get higher fresh roots at source
- Provide convenience for farmers
- Keep good relationships with farmers
- Fair price was calculated based on quality of starch content
- Cash card payment

Thai Wah Farmer Network

Thai Wah valued farmers as business partners. We provide support and assistance to the farmers in a systematic manner through the adoption of modern technologies and useful agricultural-related knowhow, for them to grow and develop in accordance with the international standard. The Company believes that the mutual growth of business partners is a key to enable business stability. We give priority on knowledge transfer, together with sharing of experiences with our business partners. This is also to enhance production capacity and upgrade our agro products in a responsible manner, which will ultimately lead to the stability of agro-industry in the long run.

In 2021, the company adjusted the strategy to improve the effectiveness of cassava root stations management, from the previous 5 stations to the remaining 2 stations. The company had adjusted the plan supporting farmers to create groups and networks of strengthened farmers. The officers from the department of farmer support of the company together with Kalasin University, the local university, would be the assistants and advisors for the group, in order to strengthen the group to be effectively independent. During this year, there were 2 groups of farmers joining the sustainable development program with Thai Wah, which caused the company to collect more produce than in the previous year for 14% or 200,000 trees. The increasing proportion from the farmers in the network of major support was approximately 140,000 tons and from the collection of root stations, who were the alliances sending to the company every year, were approximately 60,000 tons. The Company also managed to enhance trust and maintain a good relationship with the farmers. Raw material buying has been conducted fairly with the fresh cassava roots being priced according to the amount of starch content, and the payment has been made through an electronic cash card system. Aside from the fact that the Company managed to reduce the cost of raw material, the root stations have made it more convenient for the farmers to sell their products and help reducing transportation costs and time.

The Company promotes knowledge and understanding of cassava planting techniques and correctly increases yield of cassava, as well as supports cassava seedlings with certified standards for farmers members of Thai Wah Farmer Network. In 2021, the company has organized training courses for Thai Wah members such as increasing productivity by improving soil, using certified seedlings and the use of modern machinery, the use of mobile applications to track the weather, and cultivation.

Thai Wah Learning Center





Thai Wah Thank You Farmer Day

Thai Wah treats our farmers as partners and as a long-term part of Thai Wah strategies and growth. Thai Wah is delighted to partner with the local communities and local farmers to see how we can collaborate together for the sustainable development in a long-term through “Thai Wah Thank You Farmer Day” to thanks all the farmers that always deliver cassava roots which is a raw material to our starch factory. The Company has paid dividends of profits from doing business back to farmers in quarterly Phimai district, Nakhon Ratchasima province, Muang district, Udonthani province, and Tha Khantho district, Kalasin province.

AG Technology

Thai Wah took part in the development of precision agriculture, through which digital farming technologies, i.e., tools and devices (hardware/software), IT services (global positioning system, remote sensors, variable rate technology, etc.), and applications (measurement and assessment of weather condition, yields, and terrains, and waste management, etc.), have been applied in a bid to increase analysis efficiency, productivity, and yield quality which would lead to product competitiveness enhancement at the global level. In implementing precision agriculture, water, fertilizer, and pesticides have been input at the precise amount and accurate timing to maximize efficiency. It is a cropping practice that optimizes resources at the plot/greenhouse level. Overall, farmers who adopted precision agriculture in their cultivation were able to increase yields four times as much comparing to traditional farming.

Smart Digital Agriculture

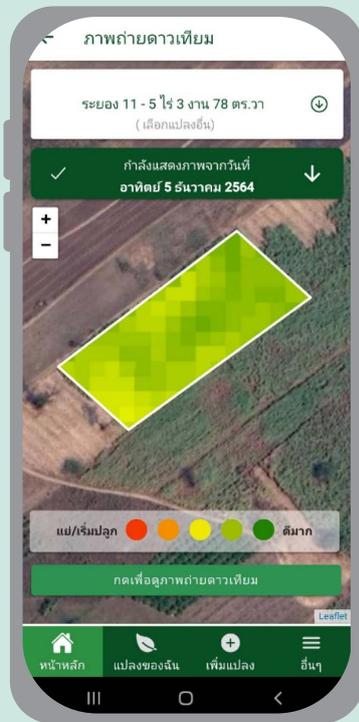
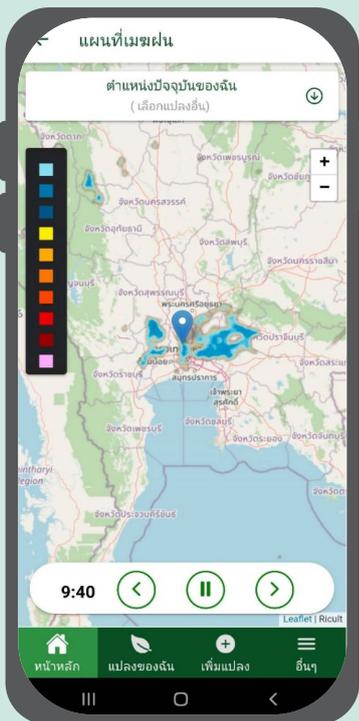
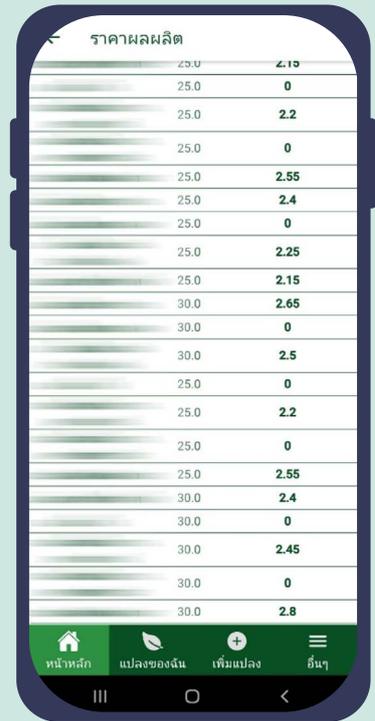
Thai Wah continues to recruit new farmer members via the digital platform, starting with Thailand, in order to promote digital platform services for farming. The Company also conducts platform update, especially in terms of data accuracy, and expand our services, such as personal loan and fund acquisition.

In 2021, farmer and cultivation database on Thai Wah's digital platform has regularly been updated, from which growth analysis system was developed based on the vegetation index and cultivated area survey. Satellite images with over 90% accuracy is also used for crop monitoring. The database has also been used to analyze and forecast daily/weekly/monthly rainfall, which could be conducted up to 9 months in advance. In addition, in 2021, analysis model for yield forecasting, productivity, and yield quality (% of starch content) with more than 75% accuracy than the 1st phase which continue being developed to reach 90% accuracy. The benefits gain from the model allow farmers to plan harvesting timeline for the best yield and price which is in line with the company's production plan.

In 2022, the Company places great importance on soil management and soil conservation for the sustainability of continuous cultivation of farmers. There is a plan to collect soil data into the platform in order to analyze and determine the soil management model for proper cultivation, as well as to create Crop Advisory to provide advice on cultivation, care and cultivation account into the platform.

All these digital platforms will contribute to the Company's planning for sustainable raw material sourcing. We also strive to help prepare Thai Wah farmers for technological changes and improve their decision making on tapioca cropping through the adoption of digital platforms to ensure efficiency and maximize effectiveness.

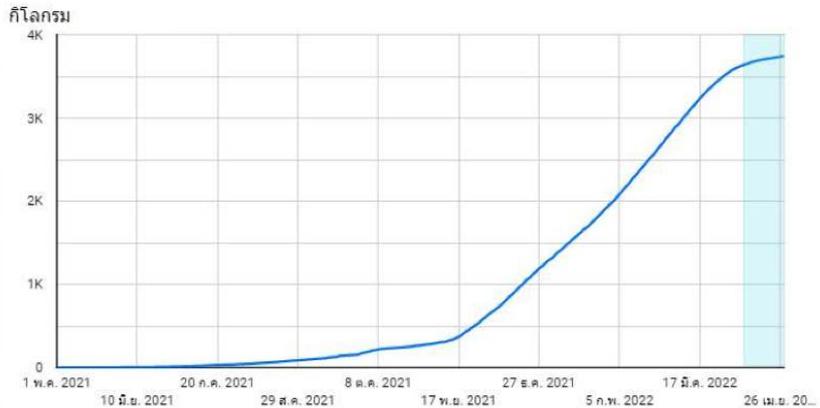
Mobile Application



การประเมินผลผลิตและช่วงเก็บเกี่ยว



ชื่อแปลง: แปลง 1
ชนิดพืช: มันสำปะหลัง ระยะของ 5
พื้นที่: 6.5 ไร่



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ช่วงเริ่มการเก็บเกี่ยวที่เหมาะสม

8 - 20 เมษายน พ.ศ. 2565 (ควรดูพยากรณ์ฝนอีกครั้งเมื่อใกล้ช่วงเก็บเกี่ยว)

การประเมินปริมาณผลผลิต

16 มีนาคม พ.ศ. 2565	3.20 ตัน/ไร่	ทั้งหมดประมาณ	20.80 ตัน
1 เมษายน พ.ศ. 2565	3.56 ตัน/ไร่	ทั้งหมดประมาณ	23.14 ตัน
16 เมษายน พ.ศ. 2565	3.70 ตัน/ไร่	ทั้งหมดประมาณ	24.05 ตัน

หมายเหตุ

ข้อมูลการประเมิน ณ วันที่ 16 ธันวาคม พ.ศ. 2564

ข้อมูลการประเมินข้างต้นสามารถคลาดเคลื่อนได้ ทั้งนี้ขึ้นอยู่กับการบินที่ข้อมูลของเกษตรกร

	2018	2019	2020	2021	Target 2022
Number of farmers membership on digital platforms (person)	121	501	1,242	7,500	50,000
Total planting areas on digital platforms (rai)	2,950	9,577	39,992	52,683	80,000
Proportion of the total cultivated area of Thai Wah farmers (percent)	2	6	25	35	50
Monthly Active User (person)	N/A	N/A	70	84	400

- **Smart E-Money Card Project**

The Company also accepted advance registration for farmers to reserve cassava sales queues under the “Happy Farmers, Selling Faster and No Need to Wait” scheme. The mobile application system for queue reservation is being developed for the farmers to be assured that their products will be accepted and sold. The payment of cassava will be made via e-money card of the banks the Company enrolled with. The Company will also be able to plan for cassava supplies and collect cultivation-related data consistently.

Currently, e-money card system and advance registration system have been up and running for 2 years at our tapioca starch factories in Nakhon Ratchasima’s Pimai district, Kalasin’s Tha Khantho district, Rayong’s Ban Chang district, and Udon Thani’s Thai Nam Tapioca. In 2021, there were 1,953 active users e-money card users. Total amount of money the company paid was 821,715,698 baht. Thai Wah helped reduce the number of farmers under the poverty line¹ and supported farmers to have a better quality of life. The Company also plans to implement the scheme in other factories in the future as well.

	2019*	2020*	2021*
E-money card active users (person)	2,888	5,392	2,676
Total amount of money paid by the company (baht)	646,181,718	996,971,162	1,119,109,285
Cassava weight (kg)	287,642,457	470,330,343	459,962,753
Farmers above poverty line (person)	N/A	N/A	1,650*

* Poverty line in 2020 was 2,762 baht per person per month (Source: Office of the National Economic and Social Development Council)

** Tapioca starch factories in Nakhon Ratchasima’s Pimai district, Kalasin’s Tha Khantho district, and Udon Thani’s Thai Nam Tapioca

*** Tapioca starch factories in Nakhon Ratchasima’s Pimai district, Kalasin’s Tha Khantho district, Rayong’s Ban Chang district, and Udon Thani’s Thai Nam Tapioca