

Building an Inclusive and sustainable supply chain for responsibly produced high-quality vegetables (ISCHV) Project



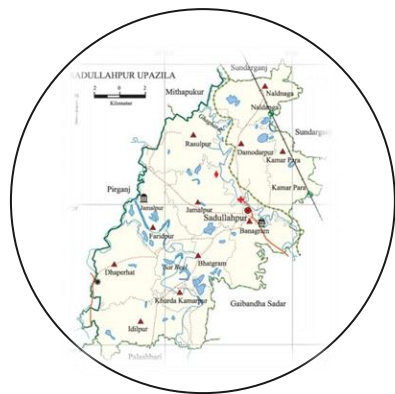
Project Implemented by:

Organization of Development Services for Distressed (ODSD)

Implementation Partner:



Geographical Distribution



Sadullapur

**38 groups, 1301
Farmers**

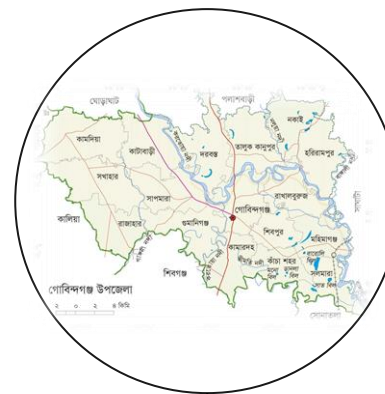
2 vegetable
collection hub, 1
Cooperative, 1 model
farm, 30 clusters, 189
GAP farmers



Palashbari

**35 groups, 1077
farmers**

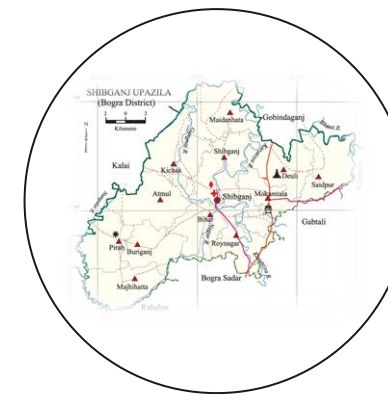
2 vegetable
collection hub, 1
Cooperative, 1 model
farm, 47 clusters, 200
GAP farmers



Gobindaganj

**40 groups 1340
farmers**

2 vegetable
collection hub, 1
Cooperative, 1 model
farm, 42 clusters &
320 GAP farmer



Shibganj

**37 groups, 1282
Farmers**

2 vegetable
collection hub, 1
Cooperative, 1 model
farm, 38 clusters, 291
GAP farmers

WP I: Vegetables growers mobilisation and group formation



Particulars	Status
Select target unions within the 4 project upazilas together with the Department of Agricultural Extension	Completed
Conduct 150 community meetings to raise general awareness	2700
Form 150 farmer groups with (on average) at least 50% female members	150
Create a database for traceability and project management purposes	Completed
Form and register 4 cooperatives at upazila level with farmer groups as members	Completed
Train 20 cooperative leaders in management of their cooperative	Completed
Conduct a baseline study to survey a representative sample of 250 participating farmers	Completed
Monitor farmers surveyed for the baseline study	On track
Conduct an end-line study to measure impact of the project on participating farmers	At the end of the project

WP II: Training of vegetables growers in Good Agricultural Practices

Particulars	Status
Set up 4 demonstration farms	Completed
Train 25 ODSD field officers and 50 DAE officers in imparting Good Agricultural Practices	Completed
Support ODSD field officers and DAE officers to train 150 Lead Farmers in applying and promoting Good Agricultural Practices	Completed
Support Lead Farmers to train 5,000 vegetable growers in Good Agricultural Practices	Completed
Guide 150 farmer groups in planting crops on the basis of the crop production calendar	Completed
Provide crop and fertilizer recommendations to 1,000 farmers, based soil testing in farmer fields	Completed
Provide additional training and technical assistance to 1,000 selected farmers on GAP	Completed
Organise GlobalGAP auditing and certification of 1,000 trained farmers	1000 (80)



WP III: Establishment of vegetables supply chain infrastructure and traceability system

Particulars	Status
Set up 8 vegetables collection centres	Completed
Set up 1 processing centre for sorting, grading, cleaning and repacking of vegetables	On Track
Set up a vegetables traceability system	On track
Protocols for food safe vegetables handling based on Quality Management System (QMS) and HACCP standards developed	On track
Recruit and train 56 persons (40% women) to operate the collection centres and quality management	On track
Recruit and train 16 persons (40% women) to operate the processing centre and quality management	On track
Demonstrate the use of kits for rapid detection of chemical residues to 9 collection and processing centre operators and 5 representatives of relevant organisations	On Track
Facilitate the HACCP audit and certification of the processing centre	On track



WP IV: Connecting the vegetables supply chain to the formal market

Particulars	Status
Engage with 5 formal buyers in the domestic market to agree on vegetables supply programme including indicative requirements (quantity, quality, packaging, etc.)	On Track
Engage with 2 formal buyers in the regional export market to agree on vegetables supply programme including indicative requirements (quantity, quality, packaging, etc.)	On Track
Organise 2 site visits by formal buyers to meet participating farms, farmer groups, cooperatives and show supply chain infrastructure (collection and processing centres)	Planned in 2026
Facilitate the supply of vegetables to buyers in the formal market	Partially Done



WP V: Promotion of national food safety standards for vegetable production

Particulars	Status
Organise 3 multilateral meetings with the Ministry of Agriculture, the Seed Certification Agency, the Bangladesh Standards and Testing Institute (BSTI), the Bangladesh Food Safety Authority (BFSA), and relevant other agencies	Planned in 2026
Organise a national level seminar to share experience, build consensus, and disseminate project results with regard to food safety standards for vegetable production	Planned in 2026
Publish project results and learnings on a dedicated website	Completed



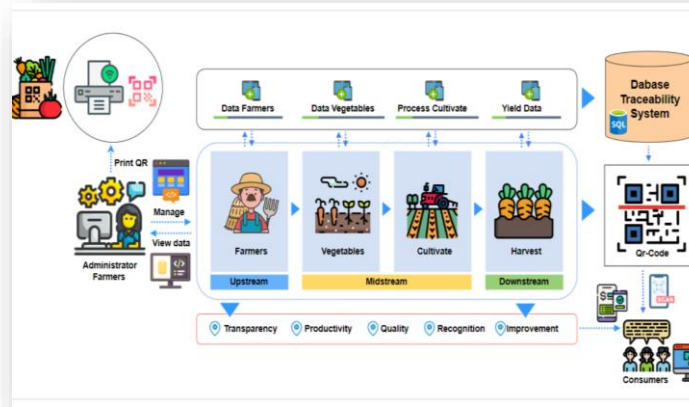
Work Package VI (New)

Completing the food-safe vegetables supply chain		
	Activities	Status
1.	Add and install wrapping, packing and labelling equipment and a cold storage room at the processing centre	2026
2.	Install a cold room in a rented building equipped to receive and hold vegetables for distribution to customers in Dhaka	2026
3.	Purchase and deploy two refrigerated vans to transport vegetables at optimal temperature, traceable, and without risk of contamination	2026
4.	Set up (4) branded outlets in Dhaka city for increased visibility, awareness raising among consumers, and direct sales to consumers	2026
5.	Design and implement promotional campaign including development of video and social media content	2026
6.	Supply chain digitalised by a farmer facing app for real-time access to actionable data and a consumer facing app for last-mile connection	2026
7.	Recruit and train 20 additional permanent staff to perform their role in the vegetables supply chain	2026
8.	Recruit and train 16 commission-based marketing agents	2026
9.	(4) events organised to promote the certified food-safe vegetables supply chain concept among stakeholders	2026
10.	Obtain HACCP certificate for supply chain facilities	2026

Post Harvest Management Interventions



Set up Vegetable Processing Centre



Set up a vegetables traceability system



Protocols for safe vegetables handling



Use QDK for chemical residues



Facilitate the HACCP Certification



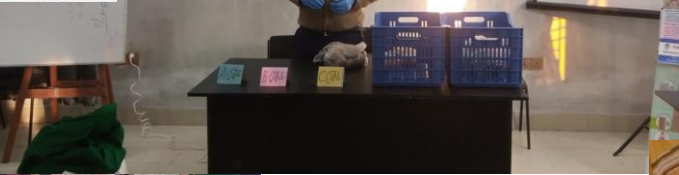
Engage with formal buyers



Common PHM Practice in Bangladesh



ISCHV Projects Initiatives in Capacity Building



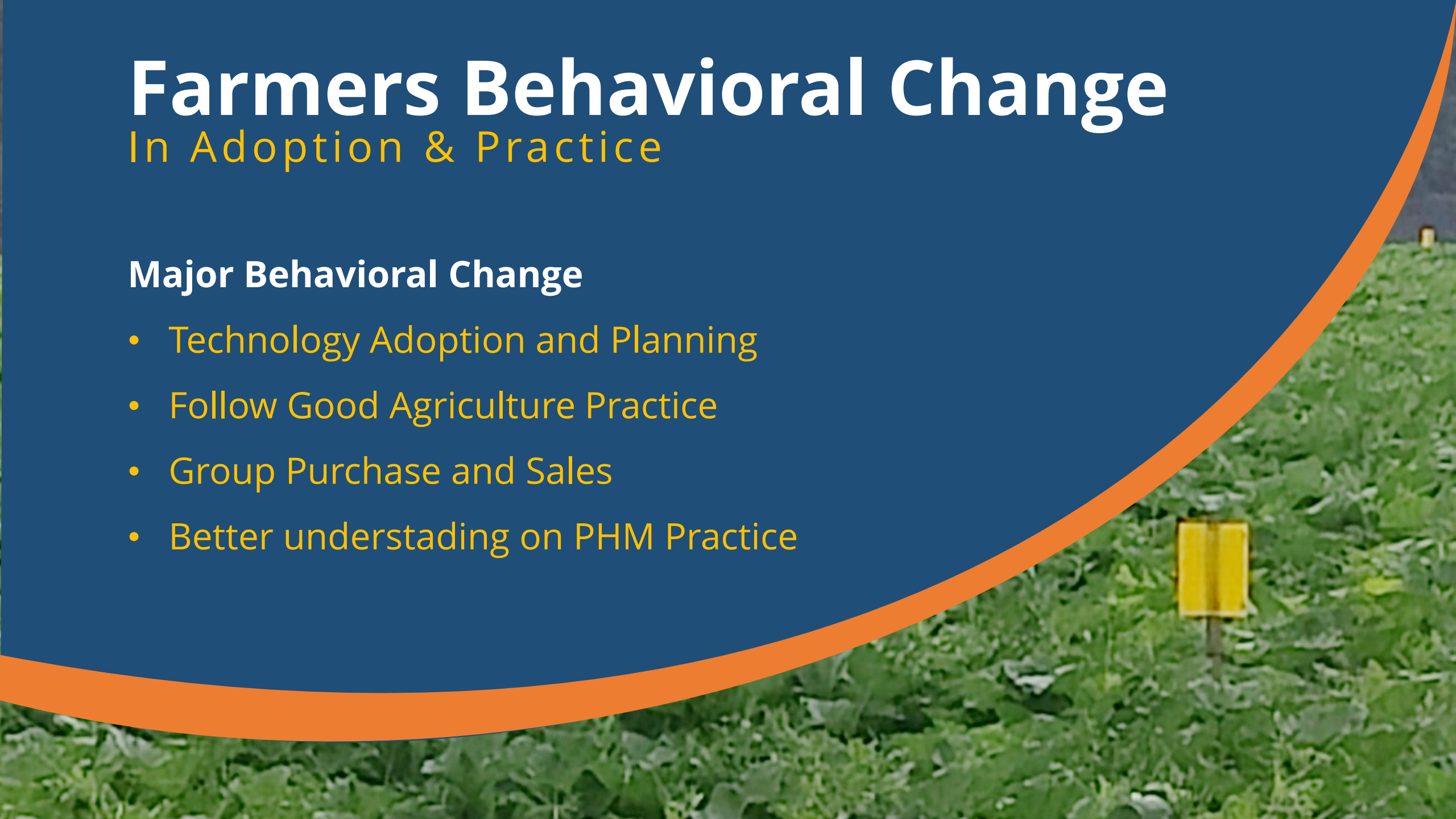
Some Impacts of the Project

Farmers Behavioral Change

In Adoption & Practice

Major Behavioral Change

- Technology Adoption and Planning
- Follow Good Agriculture Practice
- Group Purchase and Sales
- Better understanding on PHM Practice



Technology Adoption & Planning

Technology for Safe and Sustainable Agriculture

Major Technology Adopted

- Soil and Water Test for Fertilizer Recommendation and Crop Protection
- Integrated Pest Management (Yellow Sticky Paper, Pheromone Trap, Net Fencing, Etc)
- Soil, Seed and Seedling treatment
- Low cost advanced Irrigation system (Drip, Sprinkler, etc)
- Use of high Yield and disease tolerant varieties
- Use of mulching paper
- Use advanced equipment of intercultural operation



Follow Good Agriculture Practice

GAP for Safe and Sustainable Agriculture



- Record Keeping
 - Planning
- Resource Management & Training
 - Food Safety
- Workers Health, Safety & Welfare
 - Stock Management
 - Traceability
 - Health & Hygiene
- Personal Protective Equipment
 - Site Management
 - Biodiversity and Habitats
- Water Management & Energy Efficiency
 - Waste Management
- Appropriate Plant Propagation Materials
- Proper Soil Management & Fertilizer Application
 - Integrated Pest Management
- Appropriate Plant Protection Products
 - Post Harvest Handling

Model & Mini Demo Farm

Technology Demonstration and Learning

3 Model Farm

One is under implementation process



150 Mini Demonstration Farm

Target is 150 for 2023



Way of Activities

- Site and Farmer Selection
- Selection of Crop & Variety
- Selection Technology
- Infrastructure Setup
- Crop Planning
- Cultivation and Ensure use of Technology
- Regular Monitoring and Maintenance

Major Outcomes (Technology)

- Soil Treatment
- Net Fencing
- Use of yellow sticky paper and pheromone trap
- Use of high yield disease resistance varieties
- Advance Irrigation System





Soil & Water Test

Recommendation and Protection

Way of Activities

- Mou with Testing Laboratory
- Preparation of Sample Collection Protocol
- Training for Sample Collection Learning
- Sample Collection
- Proper management and send sample
- Test Report Receive with recommendation
- Result Sharing with Farmers

Major Outcomes

- Fertilizer Recommendation and proper fertilizer application
- Safe Water Source Identification
- Boost up the Confidence of the Farmers on Project
- Reduce Production Cost

Vegetable Collection Center /Hub)

Way of Implementation

- Site Selection and Agreement
- Infrastructure Development Equipment Purchase
- Formation of Management Committee
- Quality control and Effective operation measures
- Community engagement and Market Linkage

Major Outcomes

- Total Vegetable Collection Centre: 8
 - Average group in one Hub: 18.75
 - Average Farmers in one Hub: 625
 - Hub Management Committee: 8
- Total Market Linkage in Amount :18,57,04,080



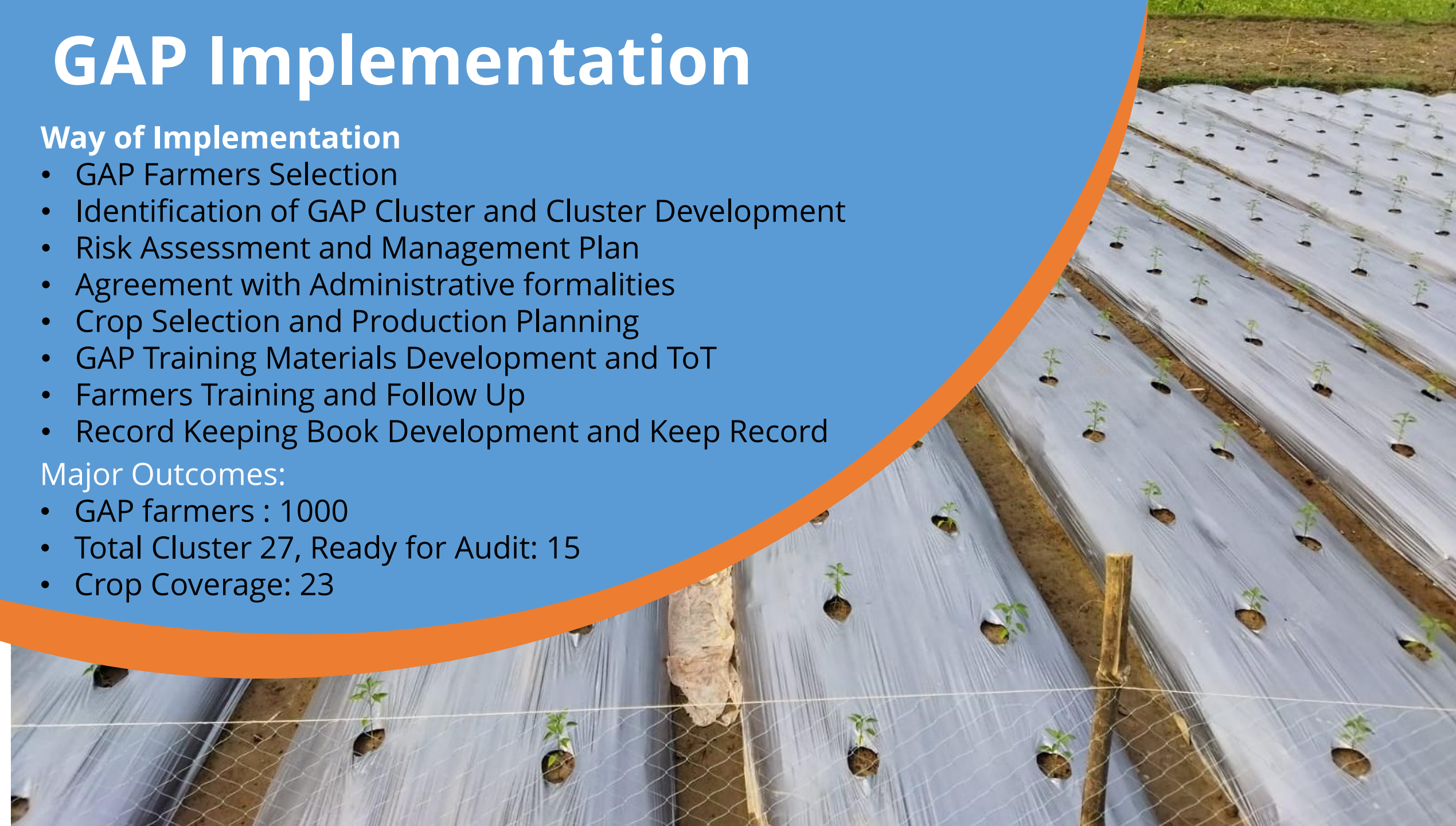
GAP Implementation

Way of Implementation

- GAP Farmers Selection
- Identification of GAP Cluster and Cluster Development
- Risk Assessment and Management Plan
- Agreement with Administrative formalities
- Crop Selection and Production Planning
- GAP Training Materials Development and ToT
- Farmers Training and Follow Up
- Record Keeping Book Development and Keep Record

Major Outcomes:

- GAP farmers : 1000
- Total Cluster 27, Ready for Audit: 15
- Crop Coverage: 23



KfW DEG Impulse



develoPPP 
Software. Business. That's the development!

কৃষকের তথ্য বই
(Grower's Gazette)

পাসপোর্ট
সাইজের
ছবি

কৃষক আই ডি:

କୃଷକେର ନାମ:

পিতার নাম:

মাতার নাম:

শ্রী/দ্বায়ী/পুত্র/পিতার নাম

(পরিবারের যিনি কৃষিকাজে সহায়তা করেন)

দলের নাম:

হাব:

GAP ক্লাস্টারে নাম / আই ডি:

समवायः

ठिकाना- धाम:

ইউনিয়ন:

উপজেলা:

জেলা:

निम्नः

মোবাইল:

জাতীয় পরিচয় পত্র নং:

জমির পরিমাণ: জমির মালিকানা: কৃষকের ধরণ: শ্রান্তিক/মাবারি/বড়

লে আউট

বাস্তবায়নে: অর্গানাইজেশন অফ ডেভেলপমেন্ট সার্ভিসেস ফর ডিস্ট্রেসড (ওডিএসডি)

বান্ধবায়ন সহযোগী :



MATRix



The project is co-financed by DEG Impulse from Public Funds of German Federal Ministry for Economic Cooperation and Development

03

উৎপাদন পরিকল্পনা:

શાસ્ત્ર પંચિકા

[illegible]

સરક્ષિત ઉત્પાદન પરિકલ્પના:

সাল --					
পরিবর্তন --					
সময়কাল					
ফসলের নাম					
জাত					
জমির পরিমাণ					
জমি প্রাপ্তির তারিখ					
বীজ বপনের তারিখ					
চারা রোপনের তারিখ					
ফসল উত্তোলনের তারিখ					

ਬੁੱਕਿ ਮਿਲਰਾਜ

খুঁকির নিরাপনের ধরন/ নাম			
নিরাপনের তারিখ		নিরাপনকারীর নাম	

মুঁকি সমূহের তালিকা	কে ও কিভাবে ক্ষতিগ্রস্ত হয়	কি পরিমাণের ক্ষতি হতে পারে	সমাধান

સાનહાપના પત્રિકાલ્પના

রিভিউ/পর্যালোচনাকারী		স্বাক্ষর		তারিখ
রিভিউ/পর্যালোচনাকারী		স্বাক্ষর		তারিখ

92

উদ্ভিদ স্বাস্থ্য পর্যবেক্ষণ তথ্য ও সুপারিশ (১)

[illegible]

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GAP Farmer Record Keeping Book

উৎপাদন ব্যবস্থাপনা, আন্তঃ পরিচর্যা ও প্রয়োগ তথ্য (১)

সাল: _____ মৌসুম: _____ সময়কাল: _____

ফসল: জাত: জমির পরিমাণ:

ଉଦ୍ଭିଦ ପ୍ରକୃତିର ତଥ୍ୟ

ক্রমিক-	তারিখ	ঘা / টুনাস	পদ্ধতি	পরিমাণ	বায় (টাকা)	স্থান

ଉଦ୍ଦିଷ୍ଟ

অধিকরণ	তারিখ	অধিকরণ উপকরণ		পরিমাণ/ডোজ	অধিকরণ পদ্ধতি	ব্যয় (টাকা)	স্থান
		গ্রুপ নাম (Group Name)	ব্রান্ড নাম (Trade Name)				
মিষ্টি অধিকরণ							
মিষ্টি অধিকরণ							
চাষা অধিকরণ							
পানি অধিকরণ							

সার প্রয়োগের তথ্য (সূত্র: শস্য অনুসারে প্রয়োগের সুপারিশ, মাটি পরীক্ষার রেকর্ড এবং পূর্ববর্তী ফসলের রেকর্ড)

ক্র: নং:	স্বাক্ষরের নাম	বেঙ্গল ডোম	প্রথম টপ প্রেসিং	২য় টপ প্রেসিং	৩য় টপ প্রেসিং
	তারিখ ও মনোমোহন সময়				
১	ইউনিয়ন				
২	টিএসপি				
৩	এমএপি				
৪	ডিএপি				
৫	বরিক				
৬	দ্বিমুখ সলসেট				
৭	খিন্দা				
৮					
৯					
১০					
	মোট স্বাক্ষর (টাকা)				
	স্বাক্ষর				

માનકિર જ્ઞાનન તથા

ক্র: নং	তারিখ	পরিমাণ	পদ্ধতি	মোট খরচ (টাকা)	স্থান

চাৰা ৰোপন তথ্য

ক্রম.	তারিখ	জাত	বাবদান	পরিমাণ	পদ্ধতি	মোট খরচ (টাকা)	স্বাক্ষর

আগাহ দমনের তথ্য

ক্রমঃ	তারিখ	পদ্ধতি	মোট খরচ (টাকা)	স্বাক্ষর

সেচ প্রদানের তথ্য

જાનિત ઉદ્ધ

ক্রমঃ-	তারিখ	পদ্ধতি	পরিমাণ	সেজ ব্রান্ডের সময়	মোট খরচ (টাকা)	স্বাক্ষর

ফেরোমেন ড্রপ

আইপিএম/জৈব বালাইনাশক প্রয়োগের তথ্য

ক্রমিক	তারিখ	কার্যকলাপ	সংখ্যা	পদ্ধতি	মোট খরচ (টাকা)	স্বাক্ষর
		ফেরোমন ট্রাপ স্থাপন করা				
		১ম পানি পরিবর্তন				
		২য় পানি পরিবর্তন				
		৩য় পানি পরিবর্তন				
		৪র্থ পানি পরিবর্তন				

হলুদ সিটকি পেপার

ক্রমঃ	তারিখ	কার্যকলাপ	সংখ্যা	পদ্ধতি	মোট খরচ (টাকা)	স্বাক্ষর
		হমদ সিঁচি পোয়ার স্থাপন				
		হমদ সিঁচি পোয়ার পরিবর্তন				

বাল্যহীনশক প্রয়োগের তথ্য

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অনুবাদ্য/মাইক্রোন নিউট্রিয়েন্ট প্রয়োগের তথ্য

[illegible]

ਯੋਜਨਾ ਵਿਭਾਗ

উদ্ভোলনকৃত ফসল সংগ্রহ ও পরিবহণে ক্যারেট ব্যবহার করা হয় কি?: হ্যাঁ/না

[illegible]

স্টক রেজিষ্টার

ଦ୍ରବ୍ୟର ନାମ:

[illegible]

ଦ୍ରବ୍ୟର ନାମ:

[illegible]

ଦ୍ରବ୍ୟର ନାମ:

[illegible]

ଦ୍ରବ୍ୟର ନାମ:

[illegible]

[illegible]

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বাংলাদেশ সরকারের কৃষি মন্ত্রণালয় কর্তৃক ২০২০ সালের ডিসেম্বর মাসে প্রস্তুতিত Bangladesh Good Agricultural Practices Policy 2020 তে বাংলাদেশ জিএপি (Bangladesh GAP) এর রূপরেখা প্রকাশ করা হয়। অতি শীঘ্রই বাংলাদেশ জিএপি (Bangladesh GAP) সার্টিফিকেশন প্রক্রিয়া শুরু হবে।

GAP Cluster Development

Way of Implementation

- Site and Farmers Selection
- Briefing about Terms and Condition
- Agreement with Farmers
- Risk Assessment and Management Plan
- Ensure Access Basic Facilities mandatory for GAP
- Training and Capacity Development
- Record Keeping and Regular Updating

Major Outcomes:

- 80 farmers under 15 cluster are ready for GAP Audit
- More 12 cluster is under implementation



- Financial incentive for GlobalGAP certified vegetables
- Ensure Farmers Have Access to Major Facilities required for GlobalGAP standard requirements
- Market demand of certified vegetable
- Keep the Interest of the Farmers up until Market Linkage with High end Market
- High certification and laboratory testing cost
- Limited Post Harvest Management Knowledge

Major Challenges in GAP Implementation



Advocacy Issues

To achieve the ultimate objectives

- Promotion of national food safety standards for vegetable production
- Decentralization of Packhouse
- National wide regulatory system development
- Establishment of vegetable traceability system
- Development of regulatory checklist for vegetable
- Expansion of European standard MRL testing
- One stop solution for certification





Q&A

Thank
you