

# カンボジア国減農薬・減化学肥料農法の導入を通じた 高付加価値野菜生産・販売にかかる案件化調査

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## 対象国農業分野における開発ニーズ（課題）

- 不適切な慣行農法による栽培技術の低さ（農薬や化学肥料の過剰利用）
- 高付加価値を有し生産性が高い栽培技術が未普及
- 国内野菜生産量が国内需要を満たさず、多くを隣国からの輸入野菜に依存

## 提案製品・技術

- 減農薬・減化学肥料農法の技術（化学農薬・肥料の低減ノウハウや有機質資材等の有効活用）
- 対象の地域・土壌の状況に合わせた栽培管理の組み立てノウハウ
- 営農データを蓄積して病害虫の予察能力を持続的に向上させるノウハウ

## 本事業の内容

- 契約期間：2021年4月～2023年6月
- 対象国・地域：カンボジア国〈Phnom Penh市、Kandal州、Tbong Khmum州、Battambang州〉
- 案件概要：カンボジア王立農業大学等と協力して野菜の試験栽培を行い、土壌・微生物などのデータを分析し農法の有効性を見通し、現地適合性を確認する。これら結果に基づき、ビジネスモデルを策定する。



## 開発ニーズ（課題）へのアプローチ方法（ビジネスモデル）

- 現地に適合した減農薬・減化学肥料の野菜の通年栽培ノウハウと栽培技術情報を契約農家へ提供
- 契約農家の野菜を農家にも十分な利益が出る価格で買い上げ、野菜ブランドの構築、販路開拓、野菜流通に係る管理を行い、安全安心な高付加価値野菜による収益を確保

## 対象国に対し見込まれる成果（開発効果）

- 提案農法による適切な栽培（農薬や化学肥料の過剰利用を改善）、残留農薬と安全性にかかる理解の促進
- 生産性が高く、高付加価値野菜の栽培技術の普及
- 野菜栽培農家の増加による国内自給率の改善



### Development Issues Concerned in the Agricultural Sector

- Poor cultivation techniques due to improper farming practices (overuse of pesticides and chemical fertilizers)
- Cultivation technologies with high added value and high productivity are not widely used
- The domestic vegetable production volume does not meet domestic demand, and there is a large reliance on imported vegetables from neighboring countries

### Products/Technologies of the Company

- Agricultural technologies using reduced pesticide and chemical fertilizers (know-how regarding reduced pesticide and chemical fertilizer use and effective use of organic materials, etc.)
- Know-how about cultivation management tailored to the region and soil conditions
- Know-how about collecting farming data to improve the ability to predict pests and disease

### Survey Outline

- **Survey Duration:** April 2021 - June 2023
- **Country/Area:** Cambodia (Phnom Penh city, Kandal province, Tbong Khmum province, and Battambang province)
- **Survey Overview:** The survey involves conducting experimental cultivation of vegetables in cooperation with the Royal University of Agriculture and using analysis of data on soil and microorganisms to predict the effectiveness of agricultural methods and confirm their suitability to the target area. Based on the results, a business model will be developed.



Agricultural Methods with Reduced Pesticide/Chemical Fertilizer Use

### How to Approach to the Development Issues

- Provide contract farmers with know-how and cultivation technologies for year-round cultivation of vegetables using reduced pesticide / chemical fertilizer
- Purchase vegetables from contract farmers at a price that is mutually profitable, develop a vegetable brand and sales channel, manage vegetable distribution, and secure revenue from safe and reliable high value-added vegetables

### Expected Impact in the Country

- Well-suited cultivation using the proposed agricultural methods (improvement of over-use of pesticide and chemical fertilizer) and promotion of understanding about residual pesticides and safety
- Dissemination of cultivation technology for high-production / high value-added vegetables
- Improvement of domestic self-sufficiency through an increase in the number of vegetable farmers