



FEED THE FUTURE

The U.S. Government's Global Hunger & Food Security Initiative



APPROPRIATE SCALE MECHANIZATION CONSORTIUM (ASMC) IN CAMBODIA

PHASE II, 2020-2023

The Appropriate Scale Mechanization Consortium (ASMC) is a project targeting a regional approach with the overall goal of facilitating the evaluation and scaling up selected transformational technologies for 10,000 smallholder farmers and/or 10,000 hectares (ha) of land in each region. The emphasis will be on sustainable intensification of selected agricultural value chains in Asian and West African regions with the support of innovation hubs and field hubs.

ASMC in Cambodia from 2020-2023 aims to assess the performances of appropriate-scale machinery (ASM) for rice farming and diversification with fodder species (i.e., affordability, practicability, efficiency, labor saving). The project focuses on training smallholders, service providers and students on the use of ASM as well as supporting multi-stakeholder initiatives initiating a negotiation process between farmers for the individuals or collective management of fodder sources or crops diversification after wet season rice and scaling up these ASM to reach out more smallholder farmers in Cambodia.

GOAL

The overall goal is to facilitate the deployment of transformational technologies to reach 2,500 ha of land from conventional technology (CT) to conservation agriculture (CA), which will ultimately improve food production and household income.

OBJECTIVE

The objective is to intensify smallholder farmers' cropping systems and on-farm operations through mechanization in a sustainable manner. Sustainable intensification will integrate social, economic and environmental impacts with a specific focus on easing the burden on women.

KEY TECHNOLOGIES



Cover crop



Land leveller



No-till planter



Seed broadcaster

will be scaled up on:
2,500 ha

ACHIEVEMENT FROM PHASE I



Engaging stakeholders and assessing country specific challenges, opportunities and priorities



Implementing country specific activities with emphasis on suitability, scalability and sustainability



Capacity building and youth engagement

ACCOMPLISHMENTS THUS FAR IN PHASE II



Human Resource Improvement in CA:

- Recruited 3 trainees
- Provided training to trainees on CA machineries, soft skill and communication skill



Hectares Reached:

- Application of no-tillers has reached around 56.5 ha in Ratanak Mondul district, Battambang.
- 35 seed broadcasters was sold, estimating to reach around 700 ha.

IN-COUNTRY TEAM MEMBERS AND ROLES



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Mr. Song Visal
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ASMC Cambodia adopts **MetKasekor model** in order to scale up ASM technologies in Cambodia. MetKasekor model is an “opening the market” early adopter led extension service model. MetKasekor focuses on opening the market for private sector investments on Sustainable Intensification via government agents and the private sector to smallholder farmers.



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