A Flagship Project for "Development of <u>Rice</u> Production Technologies in Africa"







Puddling and leveling (Ethiopia)

Puddling and leveling (Ghana)

1. Contribution of JIRCAS to the goal of CARD

JIRCAS implements a flagship research project to contribute to the goal of the Coalition for African Rice Development (CARD), comprising three research subjects, as described below;

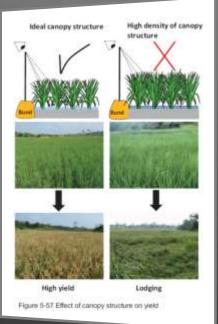
- A) Development of new breeding lines by improving the existing
- genetic resources of upland and lowland. B) Development of an irrigation technology characterized with
- low life cycle cost, an Asian-type rice cultivation.

 C) Expansion of rice cultivation areas in flood plains.

2. Technical manual for improving African rice production

JIRCAS conducted a 4 year's validation study in areas suitable for paddy field development in Ghana and Ethiopia (2008-2012). Based on the experience, we compiled technical manuals for rice production and offered them to extension officers and farmers. The manual covers wide contents including agronomic instructions, maintenance of power tillers, and the roles of farmer organization.





Meeting at the Villege Issues for discussion Basic survey for the planning Organizing fermer's groups Designing the paddy fields Scheduling construction works Land Tenacy Agreement Reclamation of the Land Activities of reclamation Detail survey for construction De-stumping Constructing weirs/canals Constructing levees (band) Assesment Rehabilitation Rice Cultivation Post Harvesting Work-Flow Work-Flow for following for the 1st.

Outline of the manual

Using this manual, farmers can readily develop Asian-type paddy fields. The manual is expected to be used in East and West Africa, abundant in areas suitable for rice production.

URL for the manual:

English: http://www.jircas.affrc.go.jp/english/manual/ricemanual2012/ricemanual2012_index.html French: http://www.jircas.affrc.go.jp/english/manual/rizicolemanuel2012/ricemanual2012 index.html