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# Upland Rice Cultivation in Season 2014 Begins

The Project and 6 targeted States (Gezira, Sennar, Gedaref, River Nile, Northern and White Nile) commenced **Upland Rice Cultivation in Season 2014**. After land preparation, sowing has already been done in all planned sites.

The Project was extended for 2 years (from March 2014 until March 2016). In the extension period, the Project focuses 2 main things, such as **“Training on Upland Rice Cultivation techniques for extensionists”** and **“Appropriate Technical Development of Upland Rice”**.

## Demonstration Sites

Six targeted States organize demonstration sites (Gezira: 8 sites, Sennar: 5 sites, Gedaref: 3 sites, River Nile: 3 sites, Northern: 3 sites, White Nile: Details are under discussion). Details are in a table right-hand side. The progress of each site is presented in this newsletter.

<b>Gezira State :</b> 1. Wad Bahai (4.0 fed) 2. Area 44, Rahad Scheme (2.5 fed) 3. Hosh, Gezira Scheme (2.0 fed) 4. Shibairab (2.0 fed) 5. Wad Alhadad (2.0 fed) 6. Abdelrahman (2.0 fed) 7. Faris (2.0 fed) 8. Goz Alihead (2.0 fed)	<b>Sennar State :</b> 1. Morafaa (2.5 fed) 2. Maiurno A (2.0 fed) 3. Maiurno B (2.0 fed) 4. Kassab A (2.5 fed) 5. Kassab B (2.5 fed) <b>Gedaref State :</b> 1. Al Fau (Ministry) (2.0 fed) 2. Al Fau (Farmer) (2.0 fed)	3. Shuwak (2.0 fed) <b>River Nile State :</b> 1. Almanassier (Damer) (1.0 fed) 2. Atbara (1.0 fed) 3. Alfadlab (1.0 fed) <b>Northern State :</b> 1. Dongola Island (1.0 fed) 2. Garada (1.0 fed)
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## Gezira



Wad Bahai. Half of the site (2 feds) is good cultivation management. (August 2014)



New Head of Rice Unit (Mr. Abdelmoneim) checks rice growth in Area 44. (August 2014)



Hosh. Weeding needs to be done again and again. (August 2014)



Shibairab. Field is clean due to appropriate weeding by farmer. (August 2014)



Wad Alhadad. Rice growth is good but yellowing plants are observed. (August 2014)



Abdelrahman. Needs more weed control. (August 2014)



Faris. Rice growth is good under proper management. (August 2014)



Goz Alihead. There are many missing hills because of bad land leveling. (August 2014)

## “New Production and Management System by Action Plan ” and “Diary for Upland Rice Cultivation”

The Project introduced new system (so-called “Monitoring System” or “Action Plan”) to Gezira State and Sennar State in the season 2014. In regard to training on rice cultivation technique for extensionists, Japanese experts continue to provide technical instructions at each field. In parallel with it, the extensionists can acquire practical technique for executing each field operation timely through introducing the new system. Extensionists are divided to groups and each group makes Action Plan to manage their site. Through the system, it is expected that each extensionist can understand the flow from planning, implementation, monitoring to evaluation on rice cultivation and recognize problem on the activity, and eventually find out the solution on it by themselves. The Project and 2 States conducts monitoring meeting every month. The system will be adopted in all 6 States in the next season.

At the same time, the Project distributed “Diary for Upland Rice Cultivation” to all extensionists in 6 States. It facilitates to take note problems and observations when extensionists find them in the field.





# Joint Hands toward Future

## Sennar



Morafaa. Fertilization must be executed after sufficient weeding. (August 2014)



Maiuruno A (right-hand side) and Maiuruno B. Rice growth is good generally and re-sowing was completed. (August 2014)



Kassab A and B. Yellowing plants by dense sowing was observed. Urgent fertilization and irrigation are required after weeding. (August 2014)

## Gedaref



Al Fau (Ministry's site). Minister and Mr. Nakagaki discuss on rice growth at the field. (July 2014)



Al Fau (Farmer's site). Seedling emergence was good after irrigation. (July 2014)



Shuwak. Almost perfect seedling emergence. (July 2014)

## River Nile



Almanassier. Rice growth is good generally. (August 2014)



Atbara. Rice grows slowly because of low soil fertility. (August 2014)



Alfadlab. Irrigation needs to be implemented to accelerate seedling emergence. (August 2014)

## Northern



Dongola Island. Rice growth is good with proper weeding. (August 2014)



Garada. Rice growth is not so bad, but missing hills and weeds are observed. (August 2014)



Kaptot. The soil seems have problem. Under consideration to change the site.

## Experiment Site in Gezira

Some solutions for the issues on rice cultivation have been identified during the project period of 2010 to 2014. For example, appropriate plant spacing is more than 30cm. Appropriate sowing time is June and July. The appropriate utilization of pre-emergence herbicide is effective. Based on these results, **5 experiments (Irrigation Interval Trial, Plant Spacing Trial, Seed Rate Trial, Fertilizer Trial, Weed Control Trial)** are being implemented to develop appropriate upland rice technique in UmBarona with Gezira State Ministry in the season 2014.



Extensionists are checking germination rate. (July 2014)



Plant Spacing Trial. (August 2014)



Weed Control Trial. This is a plot for no treatment. (August 2014)



Irrigation Interval Trial. Very good cultivation management. (August 2014)

## Seed Production Site in Gezira

Gezira State Ministry with technical advice of Japanese Experts implements Seed Production with 20 feddans in Area 44, Rahad Scheme. Sowing was finished on 8 July.

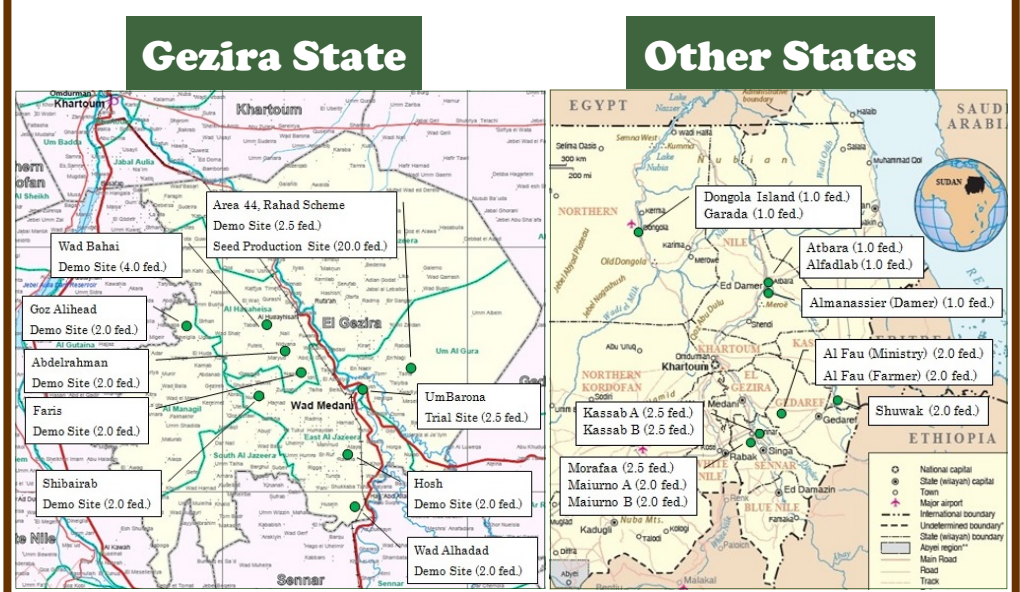


Seed multiplication site after 1st irrigation. (July 2014)



Inadequate irrigation due to large space and the delay of sowing caused inappropriate weed control. More than half of 20 feddans were covered by weed. (August 2014)

## Maps of Upland Rice Cultivation Sites 2014



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