



RICE SEEDS PRODUCTION IN CAMEROUN – ACTION PLAN

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CURRENT SITUATION

- **There is an Agronomic Institute (IRAD) where all breeding system is conducted**
- **The agronomic institute has his own program to follow**
- **It has an administration and depend on the Ministry of scientific research (not for the ministry of agriculture)**
- **That institute have antenna in every agro ecological region**
- **Many varieties with their technology package had been introduce**

Current situation-contd

- 25 varieties of stress tolerant rice was identified by researchers
- For irrigated rice, varieties ITA 222 and CICA 8 are mostly cultivated now
- adaptability tests are conducted now for the variety NERICA

Current situation -contd

- **There is a Seed national Fund located in the Ministry of Agriculture (MINADER)**
- **There is a seed law that have to be review**
- **There is a project in MINADER named (PAPRONAS) to support the seed national production program**
- **MINADER have Extension workers in the national extension program**
- **The seed certification service exist in MINADER**

PROBLEMS

- **There is not linkage between the Research Institute and the farmers**
- **There have not been a specific researcher or breeder on rice crop in IRAD for long time**
- **The purity of seed has declined**
- **There are not paddies field**
- **The organization of seed production system (from central or local government – breeders – foundation seed - registered seed- certified seed – farmers –seed board etc.) is not efficient**
- **Lack of specific technician on rice crop; on seed multiplication specifically rice seed multiplication;**

Problems-contd

- **Rice producers are mostly illiterates and therefore unable to adopt improved technology**
- **The quality of seed: (the purity of seed is deteriorated because farmers don't renew them)**
- **Culture and customs: (farmers adopt techniques and seed left by their ancestors)**
- **lack of post harvest technologies**

SOLUTIONS

In order to increase seed production in Cameroon, problems mentioned above can be solve at follows:

- Specific breeders, technicians on rice seed have to be formed for the sustainable rice production
- A program on rice research have to be introduce in every antenna of IRAD institute
- While waiting for the above breeders and technicians to complete their formation, Extension workers, producers have to be trained on improved seed multiplication like NERICA coming from abroad
- The organization system of rice seed production have to be created with structure related to it like Rice seed board

Solutions-cte

- Re-orientation of missions of the seed National fund
- Review of missions of PAPRONAS
- Sensitization of farmers to adopt improved seed
- Demonstration rice seed plot to convince producers have to be created
- Elaboration for certified seed of the annual plan production
- Seed board; creation and organization of seed board

Human resources

- **Breeders of IRAD; others cereals breeders of IRAD have to be specialized on seed rice improvement**
- **High agricultural school and Universities; Include the production of rice crop as a specific course in all the regional agricultural high school**
- **Extension workers of PNVRA (national program of agricultural research and extension); Train or improve capacities of extension workers on rice seed production**
- **Dynamics youth in regions with rice cultivation tradition**

Human resources-cte

- **Producers: train leaders of farmers association on seed multiplication through PAPRONAS**
- **CIG of seed producers: sensitize them and train them on rice seed production**
- **Private sector: specially material and fertilizer suppliers to be encourage**

FINANCING

- **Increase resources of the National seed fund**
- **Integrate into project with any relation with rice production a branch of seed improvement**
- **Government; should construct storage and processing facilities of rice seed in 5 ecological regions**
- **Paddies field for every ecological region should be rehabilitated or created**
- **In the agricultural bank; a specific branch for financing seed production should be included**
- **Fees to paid by farmers association for the sustainability of seed production**
- **Internal and Central African market to sell seeds**

COOPERATIVES

- **CIG (Common Initiative Group) of rice seed producers have to be formed**
- **These CIG have to be organized to form cooperatives**

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