BUILDING CAPACITY IN SEED QUALITY ASSURANCE IN DEVELOPING COUNTRIES

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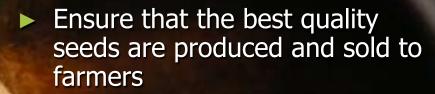
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1-Introduction

- Importance of good quality seed in the changing global condition
- "seed quality assurance" implies that agencies charged with seed quality cooperate with and support other areas of the seed industry stakeholders to assure quality products.
- The rationale for the seed quality assurance system

The rationale for the seed quality assurance system includes



- Prevent the spread of weeds, pests and diseases
- Meet consumer demands for specified qualities
- Cater for the need of specialized farming
- Comply with mechanization of agriculture
- Provide basis for healthy competition among seed traders

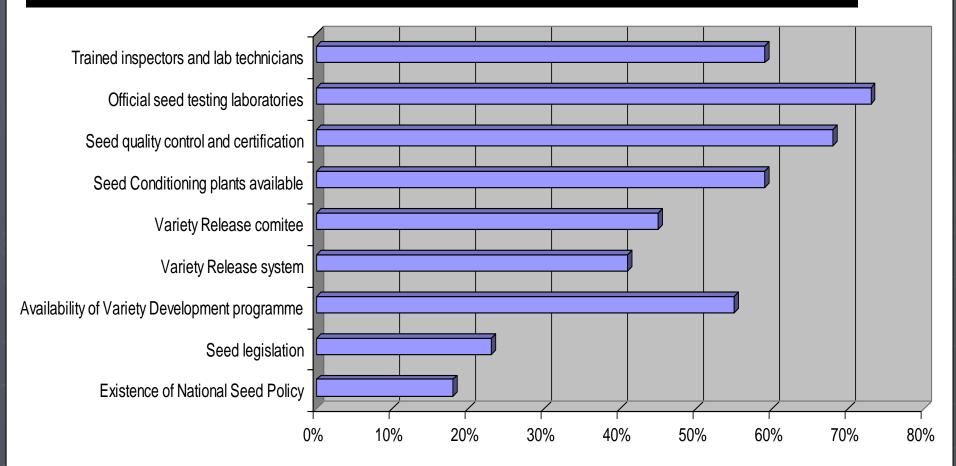


2- State Of Quality Assurance Systems in Developing Countries

- In the 1970s through the late 80s, the green revolution of Asia spurred donors to fund a wide range of seed projects in developing countries
- In recent times there is a variation in the status of the seed quality assurance amongst countries
- Weak components of seed quality assurance in developing countries

Stage of Development in Seed Quality Assurance: A survey in Africa.

Graph: A measure of progress in aspects of Seed Quality Assurance in 22 countries of Africa



3- FAO's Capacity-building Activities in Developing Countries

- Emergency seed relief and rehabilitation
- Seed programme development
- Harmonization of quality assurance system
- Development of Biosafety programme
- Development of certification schemes for vegetatively propagated crops

Training of seed inclustry stakeholders





Three steps to take into account for achievement of a holistic development

- Development of physical structures/facilities,
- Human Resource Development and deployment,
- ► Formulation/review of Policy, Legislation, Guidelines, Standards etc.

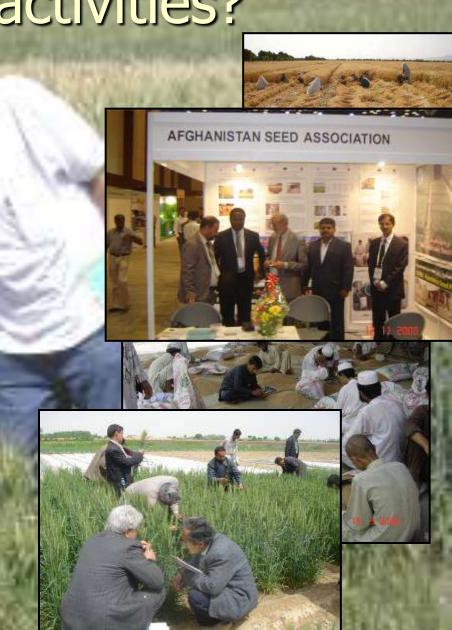
FAO's core activities relating to capacity building

- National varietal release system
- National system for limited-generation seed production
- Structured training programme for stakeholders of the seed sector
- Review and drafting of appropriate seed legislation and regulations
- National seed policy
- Harmonization of seed rules and regulation
- Seed quality control scheme e.g. Quality Declared Seed (QDS) and Quality Declared Planting Materials (QDPM).

How many activities?

Over the past 10 years, FAO has executed 897 seedrelated projects in which capacity building was a major theme, at a total cost of US \$822.5 Million.







- Lack of resources especially for the provision of necessary infrastructure.
- Lack of interest by many countries to providing necessary financial support for seed-related training and studies.
- Declining interest of many donors to fund projects aimed at capacity building of seed technology institutions

Future Considerations

- Need for long term sustainability of project outputs
- Appropriate Infrastructure
- Training
- Regional networking and Coordination in laboratory seed testing
- Policy and legislation in relation to quality assurance
- Cost effective methodologies for seed quality assurance in the informal sector, participatory breeding

