



CGIAR Annual General Meeting 2005

Stakeholder Meeting (Science Forum)
Marrakech, Morocco, December 6-7, 2005

Agenda Item 4. CGIAR Priorities: Science for the Poor **Parallel Session (b) Genetic improvements**

Background/Process:

This session involves a keynote presentation by a Science Council-invited speaker, Peter Langridge (Univ. of Adelaide, Australia), to be followed by comments from three discussants.

Document:

The presentation considers current advances in plant breeding and the identification and utilization of genetic variation. The efficiency of breeding and selection processes is often assessed according to the ultimate success of the varieties released and the frequency with which new varieties are produced. Large breeding programs for annual crops may carry hundreds of thousands of lines to produce a new variety only once every few years. Molecular markers are well established tools in plant breeding and genetics. Recent developments in molecular markers for many crops offer considerable improvements in the efficiency and sophistication of breeding. The developmental challenges for molecular markers are considered together with the implications for public breeding programs.

1. Genetic Enhancement of Selected Species to Increase Income Generation

Comments: