

Agriculture Sector: Challenges

- Increasing population (more mouth to feed)
- Climate change (global warming)

Education is the key...

- requires sound scientific knowledge
- greater use of technology
- demand for farmers to be knowledgeable and highly skilled.
- equipping future generations of farmers with the skillsets required to prosper in the sector and take full advantage of innovation.

Paddy and Water Requirement

- 5,000 Litres of water to produce 1Kg of Rice
- 20% CH₄ emissions (greenhouse gas)
- Flooding creates anaerobic conditions ... (anaerobic decomposition releases CH₄)
- The soil should be moist but not necessarily soaked all the time
- SRI (**System of Rice Intensification**) Production System

Nitrogen and Plant Growth ...

- Nitrogen has dramatic effect on plant growth
- Often over-use

Excess Nitrogen ...

- Leached into soil and enter waterways
- Cause rapid algal bloom (negative environmental effect)
- How much fertilizer do crops need for maximum yield



High youth
unemployment

Social unrest

BRUNEI
MID-YEAR CONFERENCE AND EXHIBITION
MYC 2021

Widening income gap

Difficulty in attracting
foreign investments

Incompetent workforce

Problems commonly faced by many countries ...

Multiple contributing factors ...

- Lack of proper education and training planning is one of them

Education and Training as a competitive strategy

- National manpower policy and planning
- As a strategy for investment attraction
- Engagement of employers and industry
- Leveraging on the strengths of the various agencies to create an ecosystem (whole of nation approach)

Quality Education and Training

- Quality, Quality and Quality

Equipping with 21st century workplace

- Planning & thinking skills
- Communication and public speaking skills
- Teamwork and collaboration skills
- Productivity and work commitment
- Creativity and innovation
- Entrepreneurship
- Work ethics and integrity