



AGRICULTURAL R4D: THE WAY I SEE IT

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MAJOR CHALLENGES

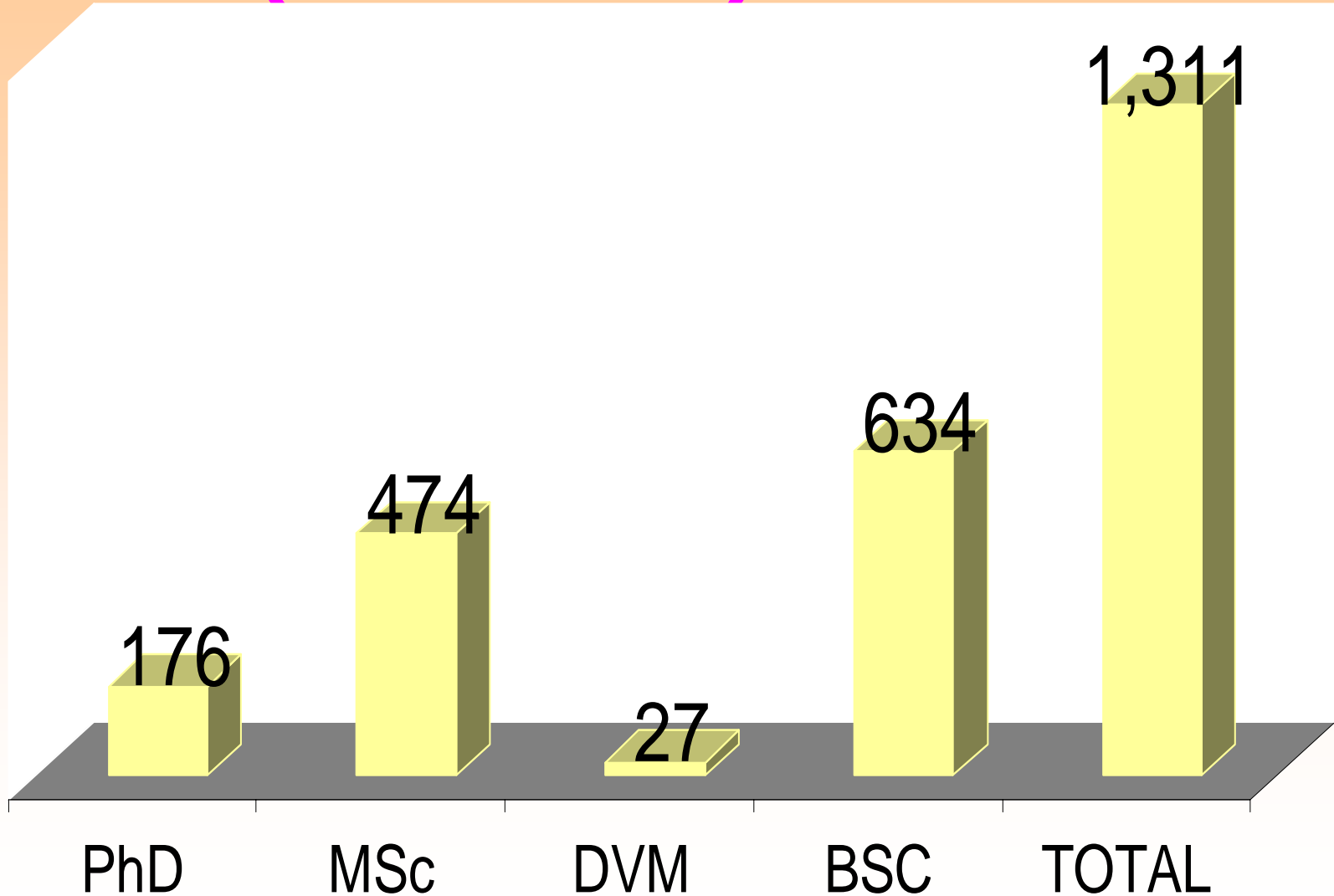
- **FOOD SECURITY**
- **ECONOMIC DEVELOPMENT**
- **INTEGRITY OF ENVIRONMENT**



CONTRIBUTION OF RESEARCH

- **INTRODUCTION & DEVELOPMENT OF CROPS, VARIETIES AND TECHNIQUES**
- **RESEARCH CULTURE**
 - **40+ Years of Experience**
 - **Trained Staff**

STAFF (APRIL 2004)

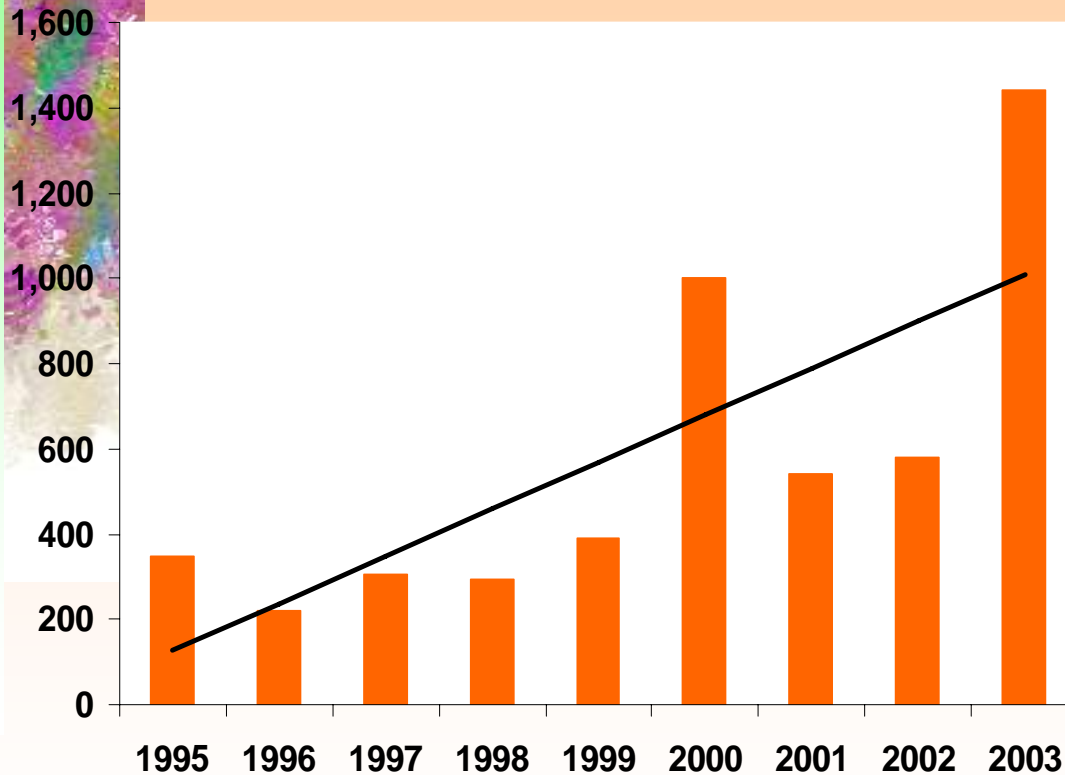


CURRENT PRODUCTIVITY

- **CEREALS: 1.7 MT/HA**
- **BEEF: 110 KG/ANIM**
- **MUTTON: 10 KG/ANIM**
- **GOAT MEAT: 9 KG/ANIM**
- **MILK: 210 KG/ANIM/LACTATION**

FOOD AID

1000 MT



- **Ca. 0.6 Million MT Per Annum**
- **Ca. 6.2 Million People Need Food Aid Each Year**
- **Ca. 5 Million Depend on Food Aid Even in Normal Year**











THE CHALLENGE FOR RESEARCH

- **HOW TO PROVIDE OPTIONS**
 - **Developing Strategies**
 - Setting objectives & priorities
 - Having a clear picture on the “how”
 - Having a clear picture on the “what with”



STRATEGIC OBJECTIVES

- **S01: To develop appropriate agricultural technologies that would enhance productivity of crops, livestock and fisheries to contribute to food security and poverty reduction;**
- **S02: To strengthen natural resources management research for sustainable agricultural production and maintenance of the integrity of the environment;**

STRATEGIC OBJECTIVES

- **S03: To take inventory of and scale up/scale out proven technologies;**
- **S04: To build R4D capacity**
 - Demand-driven, merit-based HRD
 - Construction of lab/office facilities
 - Acquisition of equipment
 - Development/acquisition of modern technologies
 - Development of leadership competence









PRIORITIES - COMMODITIES

- **FOOD SECURITY**
- **EXPORT**
- **RAW MATERIAL FOR INDUSTRY**
- **SUPPLEMENTARY INCOME**



PRIORITIES – NAT. RES. MGMT.

- **SOIL NUTRITION**
- **INTEGRATED WATERSHED MANAGEMENT**
- **SMALL-SCALE IRRIGATION**
- **FORESTRY**



WAY FORWARD

- **FORMING PARTNERSHIPS & ALLIANCES**
 - **Governance**
 - Defining roles
 - Equal *vs* junior partnership
 - **Coordination**
 - **Multidisciplinary nature**
 - Water-livestock
 - Water-crop-livestock-etc.