FUNCTION:

Responsible for performing a combination of research and development duties related to the following:
1. General Agronomy
2. Sustainable Agriculture
3. Protected Agriculture
4. Knowledge Diffusion services.

The Crop Scientist works under the direct supervision of the Head, Trinidad and Tobago Unit and is required to carry out in accordance with the above listing, inclusive of other duties that may be assigned from time to time.

Accordingly, the incumbent is required to:

- Plan and implement studies to:
  - Improve crop yields
  - Optimize crop production
  - Reduce crop production costs
  - Identify climate resilient varieties of important food crops
  - Develop sustainable agriculture systems
  - Optimize Protected Agriculture Systems
  - Improve crop care, including IPM systems
- Plan and implement programmes to:
  - Assess farmer innovation
  - Assess the use of traditional knowledge in farming systems
  - Improve knowledge application
  - Improve stakeholder collaboration
- Assist in:
  - Market development for important food crops
  - Assessment of value added possibilities for important commodities
  - Analysis and understanding of the agri-food value chain in Tobago
ESSENTIAL DUTIES AND RESPONSIBILITIES:

**Plans** and executes investigations at the Field Stations (Goldsborough) as well as on-farm and the interpretation of results as well as training support

**Collects** plants, insects and soil specimens, prepares solutions and carried out demonstrations during laboratory sessions or at on-farm demonstrations.

**Plans**, organises and conducts practical sessions for clients (staff, extension personnel, students, farmers etc), demonstrating methods and techniques and supervising performance of specific tasks.

**Arranges** field trips to project sites and to specified areas such as laboratories, plant nurseries or livestock stations, ensuring implementation of the Work Programme and the procurement and management of adequate supplies of materials and equipment to facilitate Work Programme execution.

**Gives** instructions and where necessary supervises crop cultivation, nursery and plant propagation, and related duties such as farm management, handling and maintenance of crops, equipment, minor repair and routine maintenance of farm structures and equipment, application of fertilisers and pest/disease control measures

**Manages** the financial and administrative arrangements of the main Office and the Field Station

*The responsibility statements identify specific duties necessary to attain CARDI’s overall objectives while not precluding the job holder from carrying out other related activities that may be inherent in the job.*

REPORTING RELATIONSHIPS: Reports to the Head of the Trinidad and Tobago Unit

PRINCIPAL ORGANISATIONAL RELATIONSHIPS:

**Internal:** All departments within the Organisation

**External:** Government and Agricultural Organisations, and Agencies associated with CARDI.

EXPERIENCE: Requires a post graduate training in agronomy or related field and at least five years of experience in agricultural research and development.

QUALIFICATIONS: Post graduate university degree in Agriculture or related field, with specialization/experience in areas such as agronomy and protected agriculture. Formal training in experimental design and statistical analysis would be an asset. Requires an understanding of basic business principles and the use of computer application software.

Signature of Manager/Supervisor: ……………………………………… Date: ………………………