

CARIBBEAN AGRICULTURAL RESEARCH AND DEVELOPMENT INSTITUTE

POSITION DESCRIPTION

DATE OF PREPARATION	:	12 February 2003
APPROVED BY	:	_____
POSITION TITLE	:	Soil Scientist
DEPARTMENT	:	Research and Development
COUNTRY	:	Multi

FUNCTION:

Responsible for the effective implementation of aspects of the Institute's programmes concerned with soil management systems in the various agroecological zones in the Caribbean.

ESSENTIAL DUTIES AND RESPONSIBILITIES

Participates in project planning and budgeting activities within Country Representation. Executes soil science component of Country Programme as outlined in the requisite log frames.

Designs appropriate scientific experiments to collect data for analysis and decision support.

Defines and discusses with sub-professional staff the phasing and duration of all support activities required to execute research programme. Ensures that all resource requirements are readily available.

Reviews soil surveys and soil classification data and develops land use profiles for various agricultural activities and advises clients accordingly.

Conducts experiments on farms or experimental stations to determine best soil management practices.

Reviews chemical and microbiological analyses of soil to determine microbial reactions and chemical content relationship to plant growth.

Investigates response of specific soil types to tillage, fertilization, nutrient transformations, crop rotation, water flow and other soil management practices.

Plans and develops coordinated practices for soil erosion control, moisture conservation and general environmental conservation.

Ensures that social and gender considerations are taken into account in planning and implementing research activities, particularly in on-farm trials.

Assists and Coordinates the planning of workshops and seminars for farmers and Farmers' Organisations and provides technical assistance as necessary.

Makes inputs into the preparation of technical packages, project proposals and policy papers. Prepares progress reports on a monthly or quarterly basis and writes factsheets for publication. Also, attends workshops and conferences on behalf of CARDI and represents the Institute on Boards and Committees.

Ensures that activities carried out and technologies designed, tested and adapted do not promote environmental degradation.

Disseminates findings of original research work through the preparation of papers for publication in reputable agricultural science journals. Presents such papers at Regional/International Conferences.

Assigns tasks in Unit, prepares '**Major Job Objectives**' and undertakes performance appraisals for Staff supervised: submits general reports related to work activities for guidance of supervised personnel.

The above 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 Manager, Science, Technology and Innovation through the CARDI Representative.

PRINCIPAL ORGANISATIONAL RELATIONSHIPS:

Internal : All departments within the Organisation

External : Government and Business organisations, and Agencies associated with CARDI.

EXPERIENCE : Post graduate degree in soil science from recognised university.

QUALIFICATIONS : At least 3 years post graduate experience.

Signature of Employee: **Date:**

Signature of Manager/Supervisor: **Date:**