

PROJECT WORK PLAN

| S.N. | Objective/Activity | Year 1 | | | | Year 2 | | | |
|----------|---|--------|---|---|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| 1 | Pre-field activities | | | | | | | | |
| 1.1 | Project inception meetings – including selection of target communities and beneficiaries. | | | | | | | | |
| 1.2 | Desk review and stocktaking on farmers knowledge of soil acidity and its associated problems. | | | | | | | | |
| 1.3 | Awareness raising on soil acidity and its associated problems. | | | | | | | | |
| 1.4 | Purchase of seeds, fertilizers, lime materials, soil survey and analysis tools, greenhouse materials, and other tools and equipment. | | | | | | | | |
| 1.5 | Preparation of base maps and soil legends for field work. | | | | | | | | |
| 1 | Characterizing and mapping soil acidity and Al toxicity | | | | | | | | |
| 2.1 | Reconnaissance survey and preparation of base maps and soil legends. | | | | | | | | |
| 2.2 | First set of soil sample collection, analysis, and interpretation of results. | | | | | | | | |
| 2.3 | Preparation of soil acidity and Al toxicity atlases. | | | | | | | | |
| 2.4 | | | | | | | | | |
| 2 | Assessing soil fertility status, identifying major nutrient deficiencies and evaluating the impact of soil acidity on nutrient availability. | | | | | | | | |
| 2.1 | Second set of soil sample collection, analysis, and interpretation of results. | | | | | | | | |
| 2.2 | Modelling the relationships between soil fertility and soil acidity | | | | | | | | |
| 2.3 | Preparation of soil fertility atlases. | | | | | | | | |
| 3 | Identifying best-bet practices for managing soil acidity based on soil-test results. | | | | | | | | |
| 3.1 | Greenhouse pot experiment | | | | | | | | |
| 3.2 | Field experiment | | | | | | | | |
| 3.3 | Second set of soil sample collection, analysis, and interpretation of results. | | | | | | | | |
| 3.4 | Agronomic data collection | | | | | | | | |
| 3.5 | Post-field activities – data analysis and reporting | | | | | | | | |
| 4 | Capacity building programmes. | | | | | | | | |
| 4.1 | Training smallholder farmers and extension agents on appropriate climate smart crop production and nutrient management practices. | | | | | | | | |
| 4.2 | Creation of a Center of Excellence in soil health and fertility management. | | | | | | | | |
| 4.3 | MSc. Student programme | | | | | | | | |
| 5 | Monitoring, Evaluation & Learning (MEL) and Reporting | | | | | | | | |