**STRUCTURE OF LAC DATABASE**

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| **HOME PAGE** |  |  |  |  |
| **LAC****What is it, its purpose** |  |  |  |  |
| **Structure** | Diagram | MAAS |  |  |
|  |  | Agri-Advisors |  |  |
| **Functions** | Servicesinstruments | Soil testingAimHow to participate | Process | Attachments (including cases) |
|  |  |  | Benefits, use |  |
|  |  | Weather monitoring/ informationAimHow to participate | Process | Attachments |
|  |  |  | Benefits, use |  |
|  | Mode |  |  |  |
| **TECHNOLOGIES FOR FARM IMPROVEMENT****Need** |  |  |  |  |
| **Land & Soil Management** | Checking soil erosion | ShelterbeltDescriptionBenefits | DesignSetting up, Operation, Maintenance | Attachments |
|  |  |  | Support |  |
|  |  | Check dams and Gabian wallsDescriptionBenefits | Check dams:DesignSetting up, Operation, Maintenance | Attachments |
|  |  |  | Gabian walls:DesignSetting up, Operation, Maintenance | Attachments |
|  |  |  | Support |  |
|  |  | Earth basins with infiltration pits |  |  |
|  | Managing soil nutrients | NDFDescriptionBenefits |  |  |
|  |  | Vermicomposting |  |  |
|  |  | Other farm practices |  |  |
| **Irrigation** | Snow/water harvesting | Snow fences |  |  |
|  |  | Artificial glacier |  |  |
|  |  | Snow reservoir |  |  |
|  |  | Anything for water? |  |  |
|  | Lift irrigation | Hydram |  |  |
|  |  | Solar pump |  |  |
|  | Efficient irrigation systems | Drip irrigation |  |  |
|  |  | Sprinkler irrigation |  |  |
|  | Improved traditional methods | Tanks and channels |  |  |
| **Precison Farming** |  | DecriptionBenefits |  |  |
| **AGRICULTURAL PROBLEMS & SOLUTIONS** | Climate change | Climate-adapted crops/varieties |  |  |
|  |  | Change in cropping practices |  |  |
|  |  | Conservation agriculture |  |  |
|  |  | Agroforestry |  |  |
|  |  | Water management and integrated drainage |  |  |
|  |  | Precision farming |  |  |
|  | Pests & diseases |  |  |  |