Table 4. Criteria evaluated in Soil Survey Suitability Ratings for Subsurface Water Management .

|  |  |  |  |
| --- | --- | --- | --- |
| Installation | Performance | Outflow Quality | Agronomic Concerns |
| Depth to bedrock or cemented pan | Presence of dense layers in soil | Soil salinity | Plant establishment |
| Stability of excavations | Soil permeability | Pesticide and nutrient potential | Plant growth |
| Amount of soil clay | Flooding | Soil cracking potential | Soil erosion |
| Presence of stones | Surface pH |  | Physical limitations |
| Slope gradient | Soil sodium content |  | Pesticide and nutrient management |
|  | Soil gypsum content |  |  |
|  | Soil subsidence |  |  |
|  | Sedimentation |  |  |