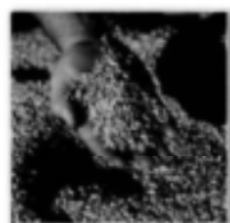


Contents



Preview

2



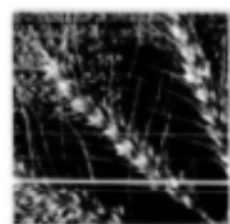
Irrigation

A complete program for crop-irrigation planning	4
Water and energy in irrigation - a decision support system	6
A water-balance model for irrigation	8
Soil water balance model to facilitate irrigation scheduling	10
Designing and managing gravity irrigation systems	12
Computer program to simulate water flow in irrigation canals	13



Rainfed or Dryland Agriculture

Soil water management program for rainfed agriculture	16
Storage and utilisation of rainwater in semi-arid regions	17



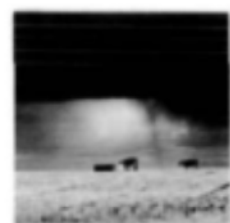
Livestock

Efficient management of water for livestock	20
Toxic and palatability effects in animals attributable to water quality	22



Weather

Atlas of agrohydrology and climatology of South Africa	25
Mapping rainfall over Southern Africa	27



Water Resources

Measuring evaporation above vegetated surfaces	29
Water balance in a grassland catchment	31

Further Report Summaries

33

Additional Titles

38