



Managing Extreme Rainfall Events

Practical solutions

The Challenge

On susceptible soils, slope, row-orientation and agronomic practices can combine to concentrate runoff and facilitate gully formation. On such terrain, during extreme rainfall, unless practical remediation actions are taken, the risk of soil erosion with associated on-field and off-site impacts is extremely high.

The Solution

Here a geotextile lined grassed water way has been designed and installed to control runoff and erosion from an asparagus field. This is in combination with on-field measures aimed at promoting infiltration and thus minimising the risk of runoff generation. The resultant combination of on-field water management and engineering options reduces both water runoff and associated soil losses to acceptable levels.