

Compost filter socks for runoff and erosion control

1/2 day workshop
Friday 25th September 2015

Workshop overview:

Soil erosion has direct financial impact on the land economy along the supply chain in terms of reduced outputs (e.g. crop production - quantity and quality; loss of nutrients and carbon); and increased inputs needed to rectify losses (e.g. reseeded costs; additional fertilisers and cultivation operations; increased irrigation demand, higher consumer retail prices). In recent years, muddy floods and sediment deposition on roads have led to fines and prosecutions; justifying investments into erosion risk assessment and mitigation.

In the UK, conventional Maize cultivation, even on a gentle slope, can produce serious erosion issues. This is mainly due to drip-tip lines from the Maize leaves causing concentrated flow paths; post-harvest over wintered stubble (bare soil); and late harvest in often wet soil conditions, increasing compaction and runoff risk. Filter socks are a widely used form of sediment control and can be adapted for use on arable lands to capture soil and nutrient losses (e.g. phosphorus), preventing off site impacts such as to water quality.

Aims of workshop:

The specific aims of the workshop are to improve knowledge and understanding of:

- The Nutrient Management Plan of the River Wye SAC – the issues, the options, the future;
- Principles of soil erosion and mitigation options;
- The role of filter socks as an erosion and runoff control best management practice and how they can be integrated into an agricultural context.

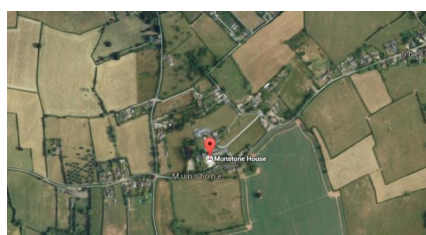


Agenda:

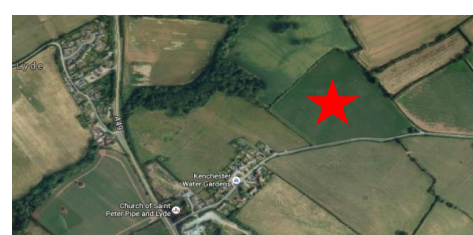
08.30 – 09.00	Registration & Coffee with Bacon rolls	
09.00 – 09.15	Introductions	Dane Broomfield, Environment Agency
09.15 – 09.45	Setting the context: River Wye SAC Nutrient Management Plan	Dane Broomfield, Environment Agency
09.45 – 10.15	Mitigation of soil erosion: Principles	Dr Rob Simmons, Cranfield University
10.15 – 11.00	SiltSoxx: An erosion and runoff BMP	Dr Britt Faucette, Filtrex International, USA
11.00 – 11.20	Coffee Break	
11.45 – 13.30	Field Demonstrations: Rundown of experimental trials; Site application of filter socks	Alex Cooke, Cranfield University Mick Boyle, Scotbark UK
13.45 – 14.30	Buffet Lunch & Networking	

Location:

Morning session: Munstone House, HR1 3AH



Field Demonstrations: Church Road, Lyde, HR1 3AB



PLEASE CONTACT ALEX COOKE TO CONFIRM ATTENDANCE BY THE 18TH SEPTEMBER:

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