MOSES

Model Uses	MOSES provides managers a tool to predict the outcomes of different management strategies associated with erosion control practices and associated remediation efforts.		
Major Categories	Geomorphology; Decision Support	Subject Knowledge Level Intermediate	
Minor Categories	Desired Future Conditions; Management; Erosion; Time Series	<u>Technical Difficulty Level</u> Intermediate	
Model Type	Physical Model	<u>Geographic in Nature?</u> No	
MOSES will allow NF	5 billion tons of soil annually to water and wind erosion (NRCS 19 RCS field personnel and others who are not computer experts, to the effects of alternative management strategies. This tool can r	run complex predictive computer	

The objective of MOSES is to combine four soil erosion simulation models under a single user interface. This multiplatform interface will be able to access data remotely over the internet. Models offer repeatable results without emotional bias, an advantage over human experts in the event of litigation. MOSES is designed to readily accept data from virtually any source the user has access to, and display model results in graphical form that can be readily understood by field personnel.

compliance to soil loss ceilings for a field or farm, but also to minimize soil erosion through optimization of both the

Future Developments Model Limitations
Unknown Unknown

Model Features

- Combines four soil simulation models (RUSLE, RWEQ, WEPP, WEPS).
- Provides easy to use interfaces allowing non-computer experts access to the model
- Can be used to judge compliance to soil-loss-ceilings and assess remediation effectiveness
- Readily accepts data from virtually any source or type

timing and placement of remediations in the field.

Required Data Types Can access data over the Internet and can accept virtually any data the user has access to.	Model Outputs Model results displayed in a graphical form making them accessible to experience and non-experienced users.			
Hardware Requirements None noted	DOS	Supported	Platforms UNIX	
Software Requirements None noted	Windows	\boxtimes	Macintosh	

Cost, Licensing and Availability

Free - available from link below.

Source

USDA Forest Service, Agricultural Resource Service, Natural Resource Conservation Service.

Source URL

http://pasture.ecn.purdue.edu/~meyerc/MOSES/