COVERING BMPS

- REDUCE EROSION BY STABILIZING EXPOSED SOILS IN DISTURBED AREAS
- PROVIDES IMMEDIATE
 <u>TEMPORARY</u> OR
 <u>PERMANENT</u>
 PROTECTION FROM
 EROSION.





1





















SHEER STRESS Shear stress, force tending to cause deformation of a material by slippage along a plane or planes parallel to the imposed stress.



DEPENDING ON THE GEOGRAPHIC LOCATION OF THE PROJECT, THE PERMITTEE MUST NOT ALLOW SOILS TO REMAIN





DUST SUPRESSION TACKIFIERS

• POLYACRYLAMIDE (PAM)

GUAR
 LIGNOSULFONATE



13

WHAT IS YOUR FUNCTIONAL OBJECTIVE?

EROSION CONTROLRE-VEGETATIONImage: state state

15



NOT ALL "HYDROSEED" PRODUCTS ARE EQUAL Image: Constraint of the state of the state

14

HYDRAULIC EROSION CONTROL



llong decen flow Estaceas





THE VALUE OF SOIL TESTING

INCREASES SUCCESS

 CAN RESULT IN SUBSTANTIAL SAVINGS
 VERY INEXPENSIVE OR FREE TO PERFORM

RATE OF RE-VEGETATION BY 80%. ALLOWS THE CORRECT SEED MIXES BASED ON ISSUES OR STRENGTH OF SOIL CHEMISTRY

AFWEST H

19



21



COMPOST BLANKET



HOW TO REVEGETATE DIFFICULT SOILS

20



22

CATEGORIES OF COMPOST

Commercial Examples: Landscaping wast

garden trimmings.

SIZES

• FINE

COARSE/ MEDIUM

"OVERS"

- TYPES
- GREEN

• BROWN

BLACK

Commercial Examples: Yard waste cart and restaurant wastes

Brown: Carbon-Rich Material feeds the microbes. Think of

mature/processed/dried plant material. Home Examples: Old leaves (not fresh), cardboard, shredded newspaper, dried grass clippings, straw, paper towels, brown pap

Black: Injecting a layer of microbes to speed the compost process Home Examples: A shovel of garden soil, finished compost, composted animal manure. Commercial Examples: Biosolid incorporation

Green: Nitrogen-Rich Material, microbes' protein building block. Home Examples: Kitchen Scraps, freshly fallen leaves/grass clippings, leafy weeds, hair (human and pets), coffee grounds, green

nd yard waste cart

















Sodding

Straw

Wood Straw

Compost Blanket

Hog Fuel/Chipped Material

Hand/ Equipment Applied

 \checkmark

 \checkmark

 \checkmark

 \checkmark

 \checkmark

 \checkmark

 \checkmark

32

33



WHAT TO KNOW

- SOIL TEST
- ACREAGE
- ACCESS TO WATER
- NO SEED OR SEED (\$20/LB - \$200/LB)
- LONGEVITY
- GERMINATION WINDOWS

34



SODDING BMP



STRAW MULCH















PLASTIC COVERING



RECP INSTALLATION





JUTE MATTING













50



- KEEP MAT IN DIRECT CONTACT WITH SOIL
 SURFACE (STAPLES WORK WELL)
- KEY IN AT THE TOP OF THE SLOPE
- OVERLAP SIDE EDGES IF USING MULTIPLE SECTIONS
- OVERLAP UP-SLOPE BLANKETS OVER DOWN-SLOPE (LIKE SHINGLES ON A ROOF)
- ALWAYS PLACE MATS PARALLEL TO FLOW
 DIRECTION

51

