

APPENDIX C
REFERENCE GUIDE: CALTRANS CONSTRUCTION BMPs IN RUSLE2

Caltrans RUSLE2 Program (2024 version)			Caltrans Storm Water Quality Handbooks Construction Site BMP Manual		CASQA Stormwater BMP Handbook: Construction	
BMP Type	Practice Name in RUSLE2 ⁽¹⁾	Description ^(2, 3, 4, 5, 6)	ID	BMP Type	ID	BMP Type
SOIL STABILIZATION						
Not modeled in RUSLE2.			SS-1	Scheduling	EC-1	Scheduling
			SS-2	Preservation of Existing Vegetation	EC-2	Preservation of Existing Vegetation
Hydraulic mulch	Hydraulic Mulch 2500 lbs	2500 lb/ac of fiber only. Tackifier is included, but not part of dry weight.	SS-3	Hydraulic Mulch	EC-3	Hydraulic Mulch
	Hydraulic Mulch PSFM 2500 lbs	2500 lb/ac of fiber only. Adhesive PSFM is included, but not part of dry weight.				
	Hydraulic Mulch, BFM 3400 lbs/ac	3400 lb/ac of fiber only. Adhesive BFM is included, but not part of dry weight.				
Hydraulic mulch w/ seed	Hydraulic Mulch, PSFM 2500 lbs with seed	2500 lb/ac of fiber mulch with tackifier (PSFM). Seed mix of grass and forbs, good stand, applied with hydroseeder. Starting storage biomass of 40 lb/ac and 600 lb/ac yield.				
	Hydraulic Mulch, BFM 3400 lbs/ac with seed	3400 lb/ac of fiber mulch with tackifier (BFM). Seed mix of grass and forbs, good stand, applied with hydroseeder. Starting storage biomass of 40 lb/ac and 600 lb/ac yield.				
	Fall Hydroseeding, 3000 lbs BFM, 200 T. rock mulch, [low/medium] condition	3000 lb/ac of fiber mulch with tackifier (BFM) with 200 tons per acre of rock slope protection. Seed mix of grass and forbs, good stand, applied with hydroseeder. Arid/desert: 230 lb/ac yield (low condition); Mediterranean: 600 lb/ac yield (medium condition); Cool/humid: 990 lb/ac yield (medium condition).				
	Spring Hydroseeding, 3000 lbs BFM, 200 T. rock mulch, [low/medium] condition	3000 lb/ac of fiber mulch with tackifier (BFM) with 200 tons per acre of rock slope protection. Seed mix of grass and forbs, good stand, applied with hydroseeder. Arid/desert: 230 lb/ac yield (low condition); Mediterranean: 600 lb/ac yield (medium condition); Cool/humid: 4492 lb/ac yield (medium condition).				
	Summer Hydroseeding, 3000 lbs BFM, 200 T. rock mulch, [low/medium] condition	3000 lb/ac of fiber mulch with tackifier (BFM) with 200 tons per acre of rock slope protection. Seed mix of grass and forbs, good stand, applied with hydroseeder. Arid/desert: 230 lb/ac yield (low condition); Mediterranean: 600 lb/ac yield (medium condition); Cool/humid: 4492 lb/ac yield (medium condition).				
	Winter Hydroseeding, 3000 lbs BFM, 200 T. rock mulch, [low/medium] condition	3000 lb/ac of fiber mulch with tackifier (BFM) with 200 tons per acre of rock slope protection. Seed mix of grass and forbs, good stand, applied with hydroseeder. Arid/desert: 230 lb/ac yield (low condition); Mediterranean: 600-707 lb/ac yield (medium condition); Cool/humid: 707 lb/ac yield (medium condition).				

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Hydraulic mulch w/ volunteer vegetation	Hydraulic Mulch 2500 lbs+tackifier+volunteer veg	2500 lb/ac of fiber mulch with tackifier. Seed mix of volunteer grass and forbs, poor stand. Starting storage biomass of 10 lb/ac and 60 lb/ac yield.	SS-3	Hydraulic Mulch	EC-3	Hydraulic Mulch
	Hydraulic Mulch PSFM 2500 lbs + volunteer veg	2500 lb/ac of fiber mulch with tackifier (PSFM). Seed mix of volunteer grass and forbs, poor stand. Starting storage biomass of 10 lb/ac and 60 lb/ac yield.				
	Hydraulic Mulch, BFM 3400 lbs/ac + volunteer veg	3400 lb/ac of fiber mulch with tackifier (BFM). Seed mix of volunteer grass and forbs, poor stand. Starting storage biomass of 10 lb/ac and 60 lb/ac yield.				
Hydroseeding	Hydroseeding, grain or annual rye with fiber emulsion	Winter wheat seed, applied with hydroseeder, 707 lb/ac harvest yield. Hydroseed mixture includes 2000 lb/ac of fiber mulch with tackifier.	SS-4	Hydroseeding	EC-4	Hydroseeding
	Hydroseeding, grain or annual rye with fiber emulsion with volunteer vegetation	Winter wheat seed, applied with hydroseeder, 400-707 lb/ac harvest yield. Additional seed mix of volunteer grass and forbs, poor stand. Hydroseed mixture includes 2000 lb/ac of fiber mulch with tackifier.				
	Hydroseeding + fiber + tackifier + 2000lb punched straw	Seed mix of grass and forbs, good stand, applied with hydroseeder. Starting storage biomass of 50 lb/ac and 600 lb/ac yield. Hydroseed mixture includes 2500 lb/ac of fiber mulch with tackifier. Includes 2000 lb/ac (1 ton) of straw mulch, applied with sheepsfoot roller.				
	Hydroseeding + fiber + tackifier + 2000lb blown straw	Seed mix of grass and forbs, good stand, applied with hydroseeder. Starting storage biomass of 50 lb/ac and 600 lb/ac yield. Hydroseed mixture includes 2500 lb/ac of fiber mulch with tackifier. Includes 2000 lb/ac (1 ton) of blown straw mulch.				
	Hydroseeding + fiber + tackifier + 4000lb blown straw	Seed mix of grass and forbs, good stand, applied with hydroseeder. Starting storage biomass of 50 lb/ac and 600 lb/ac yield. Hydroseed mixture includes 2500 lb/ac of fiber mulch with tackifier. Includes 4000 lb/ac (2 tons) of blown straw mulch.				
Soil Binders	[Fall/Winter/Spring/Summer] Emulsified Petroleum binder soil stabilant only after construction	Emulsified petroleum binder applied at manufacturer recommended rate. Select based on the season of planned application [Fall, Spring, or Summer].	SS-5	Soil Binders	EC-5	Soil Binders
	[Fall/Winter/Spring/Summer] Guar binder soil stabilant only after construction	Guar gum based tackifier treated with dispersing agents, applied at minimum application rates by slope of 40 to 70 lb/ac. Select based on the season of planned application [Fall, Spring, or Summer].				
	[Fall/Winter/Spring/Summer] Gypsum cementous binder soil stabilant only after construction	Gypsum cementous binder mixed with water and mulch and applied at a rate of 4,000 to 12,000 lb/ac. Select based on the season of planned application [Fall, Spring, or Summer].				
	[Fall/Spring/Summer] Pitch or rosin emulsion binder soil stabilant only after construction	Pitch or rosin emulsion binder applied at the rate specified by the manufacturer. Select based on the season of planned application [Fall, Spring, or Summer].				
	[Fall/Winter/Spring/Summer] Polyacrylamide binder soil stabilant only after construction	Polyacrylamide binder applied at the rate of 5 lb/ac. Select based on the season of planned application [Fall, Spring, or Summer].				
	[Fall/Winter/Spring/Summer] Psyllium binder soil stabilant only after construction	Psyllium based soil binder applied at a rate of 80 to 200 lb/ac. Select based on the season of planned application [Fall, Spring, or Summer].				

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Soil Binders	[Fall/Winter/Spring/Summer] Starch binder soil stabilant only after construction	Water soluble granular cornstarch mixed with water and applied at the rate of 150 lb/ac. Select based on the season of planned application [Fall, Spring, or Summer].	SS-5	Soil Binders	EC-5	Soil Binders
Straw mulch	Straw Mulch 2000 lbs/ac	Applied at 2000 lb/ac (1 ton).	SS-6	Straw Mulch	EC-6	Straw Mulch
	Straw Mulch 4000 lbs/ac	Applied at 4000 lb/ac (2 tons).				
	Straw Mulch 2000 lbs/ac, with seed	2000 lb/ac (1 ton) of straw mulch, applied with crimper. Seed mix of grass and forbs, good stand, applied with broadcast seeder. Starting storage biomass of 40 lb/ac and 600 lb/ac yield.				
	Straw Mulch 4000 lbs/ac, with seed	4000 lb/ac (2 tons) of straw mulch, applied with crimper. Seed mix of grass and forbs, good stand, applied with broadcast seeder. Starting storage biomass of 40 lb/ac and 600 lb/ac yield.				
	Fall Drilled seeding, 4000 lbs crimped straw mulch, medium condition	4000 lb/ac (2 tons) of straw mulch, applied with crimper. Seed mix of grass and forbs, good stand, applied with drill seeder in Fall. Starting storage biomass of 40 lb/ac and 600 lb/ac yield. (yield = 230 lb/ac for Arid, 4492 for Cool humid)				
	Spring Drilled seeding, 4000 lbs crimped straw mulch, medium condition	4000 lb/ac (2 tons) of straw mulch, applied with crimper. Seed mix of grass and forbs, good stand, applied with drill seeder in Spring. Starting storage biomass of 40 lb/ac and 600 lb/ac yield.				
	Summer Drilled seeding, 4000 lbs crimped straw mulch, medium condition	4000 lb/ac (2 tons) of straw mulch, applied with crimper. Seed mix of grass and forbs, good stand, applied with drill seeder in Fall. Starting storage biomass of 40 lb/ac and 600 lb/ac yield.				
	Winter Drilled seeding, 4000 lbs crimped straw mulch, medium condition	4000 lb/ac (2 tons) of straw mulch, applied with crimper. Seed mix of grass and forbs, good stand, applied with drill seeder in Fall. Starting storage biomass of 40 lb/ac and 600-707 lb/ac yield.				
	Straw mulch w/ volunteer vegetation	2000 lb/ac (1 ton) of straw mulch. Seed mix of volunteer grass and forbs, poor stand. Starting storage biomass of 10 lb/ac and 60 lb/ac yield.				
	Straw Mulch 4000 lbs/ac with volunteer vegetation	4000 lb/ac (2 tons) of straw mulch. Seed mix of volunteer grass and forbs, poor stand. Starting storage biomass of 10 lb/ac and 60 lb/ac yield.				
Pine needle mulch	Spread Pine Needles, 2000 lbs/ac	Applied at 2000 lb/ac (1 ton).				
	Spread Pine Needles, 4000 lbs/ac	Applied at 4000 lb/ac (2 tons).				
Pine needle mulch w/ volunteer vegetation	Spread Pine Needles, 2000 lbs/ac with volunteer vegetation	Applied at 2000 lb/ac (1 ton). Seed mix of volunteer grass and forbs, poor stand. Starting storage biomass of 10 lb/ac and 60 lb/ac yield.				
	Spread Pine Needles, 4000 lbs/ac with volunteer vegetation	Applied at 4000 lb/ac (2 tons). Seed mix of volunteer grass and forbs, poor stand. Starting storage biomass of 10 lb/ac and 60 lb/ac yield.				
Woodstraw mulch	Woodstraw mulch, 4000 lbs per ac	Engineered wood strand erosion control mulch applied at 4,000 lb/ac (2 tons).				
	Woodstraw mulch, 7,500 lbs per ac	Engineered wood strand erosion control mulch applied at 7,500 lb/ac (3.75 tons).				
	Woodstraw mulch, 14,000 lbs per ac	Engineered wood strand erosion control mulch applied at 14,000 lb/ac (7 tons).				

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Rolled erosion control products (RECP)	Coconut/Coir Netting RECP	Open weave netting, decays slowly.	SS-7	Geotextiles, Plastic Covers, and Erosion Control Blankets / Mats	EC-7	Geotextiles and Mats
	Combination Straw/Coir RECP	70% straw/30% coconut fiber blanket with double netting, decays moderately slowly.				
	Curled Wood Fiber RECP	Excelsior blanket with double netting.				
	Jute Netting RECP	Open weave netting, moderate decay rate.				
	Straw Blanket RECP	Blanket with double netting, decays rapidly.				
Rolled erosion control products (RECP) w/ seed	Coconut/Coir Netting RECP with seed	Open weave netting, decays slowly. Seed mix of grass and forbs, good stand, applied with broadcast seeder. Starting storage biomass of 40 lb/ac and 600 lb/ac yield.				
	Combination Straw/Coir RECP with seed	70% straw/30% coconut fiber blanket with double netting, decays moderately slowly. Seed mix of grass and forbs, good stand, applied with broadcast seeder. Starting storage biomass of 40 lb/ac and 600 lb/ac yield.				
	Curled wood fiber RECP with seed	Excelsior blanket with double netting. Seed mix of grass and forbs, good stand, applied with broadcast seeder. Starting storage biomass of 40 lb/ac and 600 lb/ac yield.				
	Jute Netting RECP with seed	Open weave netting, moderate decay rate. Seed mix of grass and forbs, good stand, applied with broadcast seeder. Starting storage biomass of 40 lb/ac and 600 lb/ac yield.				
	Straw Blanket RECP with seed	Blanket with double netting, decays rapidly. Seed mix of grass and forbs, good stand, applied with broadcast seeder. Starting storage biomass of 40 lb/ac and 600 lb/ac yield.				
Rolled erosion control products (RECP) w/ volunteer vegetation	Coconut/Coir Netting RECP with volunteer vegetation	Open weave netting, decays slowly. Seed mix of volunteer grass and forbs, poor stand. Starting storage biomass of 10 lb/ac and 60 lb/ac yield.				
	Combination Straw/Coir RECP with volunteer vegetation	70% straw/30% coconut fiber blanket with double netting, decays moderately slowly. Seed mix of volunteer grass and forbs, poor stand. Starting storage biomass of 10 lb/ac and 60 lb/ac yield.				
	Curled wood fiber RECP with volunteer vegetation	Excelsior blanket with double netting. Seed mix of volunteer grass and forbs, poor stand. Starting storage biomass of 10 lb/ac and 60 lb/ac yield.				
	Jute Netting RECP with volunteer vegetation	Open weave netting, moderate decay rate. Seed mix of volunteer grass and forbs, poor stand. Starting storage biomass of 10 lb/ac and 60 lb/ac yield.				
	Straw Blanket RECP with volunteer vegetation	Blanket with double netting, decays rapidly. Seed mix of volunteer grass and forbs, poor stand. Starting storage biomass of 10 lb/ac and 60 lb/ac yield.				
Compost erosion control blankets (CECB)	0.5 inch Compost Blanket CECB	0.5-inch thick CECB, with 54,800 lb/ac of medium coarse compost.	SS-8	Wood Mulching	EC-8 EC-14	Wood Mulching Compost Blanket
	1 inch Compost Blanket CECB	1-inch thick CECB, with 108,000 lb/ac of medium coarse compost.				
	2 inch Compost Blanket CECB	2-inch thick CECB, with 216,000 lb/ac of medium coarse compost.				

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Compost erosion control blankets (CECB) w/ seed	0.5 inch Compost blanket with seed	0.5-inch thick CECB, with 54,800 lb/ac of medium coarse compost. Seed mix of grass and forbs, good stand, applied with hydroseeder. Starting storage biomass of 40 lb/ac and 600 lb/ac yield. Hydroseed mixture includes 1500 lb/ac of fiber mulch with tackifier.	SS-8	Wood Mulching	EC-8 EC-14	Wood Mulching Compost Blanket
	1 inch Compost blanket with seed	1-inch thick CECB, with 108,000 lb/ac of medium coarse compost. Seed mix of grass and forbs, good stand, applied with hydroseeder. Starting storage biomass of 40 lb/ac and 600 lb/ac yield. Hydroseed mixture includes 1500 lb/ac of fiber mulch with tackifier.				
	2 inch Compost blanket with seed	2-inch thick CECB, with 216,000 lb/ac of medium coarse compost. Seed mix of grass and forbs, good stand, applied with hydroseeder. Starting storage biomass of 40 lb/ac and 600 lb/ac yield. Hydroseed mixture includes 1500 lb/ac of fiber mulch with tackifier.				
Compost erosion control blankets (CECB) w/ volunteer vegetation	0.5 inch Compost Blanket CECB with volunteer vegetation	0.5-inch thick CECB, with 54,800 lb/ac of medium coarse compost. Seed mix of volunteer grass and forbs, poor stand. Starting storage biomass of 10 lb/ac and 60 lb/ac yield.				
	1 inch Compost Blanket CECB with volunteer vegetation	1-inch thick CECB, with 108,000 lb/ac of medium coarse compost. Seed mix of volunteer grass and forbs, poor stand. Starting storage biomass of 10 lb/ac and 60 lb/ac yield.				
	2 inch Compost Blanket CECB with volunteer vegetation	2-inch thick CECB, with 216,000 lb/ac of medium coarse compost. Seed mix of volunteer grass and forbs, poor stand. Starting storage biomass of 10 lb/ac and 60 lb/ac yield.				
Modeled in RUSLE2 under "Diversions, Terraces, Sediment Basins" (Step 5).			SS-9	Earth Dikes / Drainage Swales and Lined Ditches	EC-9	Earth Dikes and Drainage Swales
Not modeled in RUSLE2.			SS-10	Outlet Protection / Velocity Dissipation Devices	EC-10	Velocity Dissipation Devices
			SS-11	Slope Drains	EC-11	Slope Drains
			SS-12	Streambank Stabilization	EC-12	Streambank Stabilization
See "Compost erosion control blankets" sections.			See SS-8 above.		See EC-14 above.	
Soil Preparation/ Roughening ⁽⁷⁾	bare cut slope, track walked	Bare soil from cutting, tracked machinery up and down the slope to leave horizontal depressions in the soil, on the contour.	Not in Caltrans BMP Manual.		EC-15	Soil Preparation / Roughening
	bare cut slope, track walked with volunteer vegetation	Bare soil from cutting, tracked machinery up and down the slope to leave horizontal depressions in the soil, on the contour. Seed mix of volunteer grass and forbs, poor stand.				
	bare fill slope, track walked	Bare fill slope or stockpile, tracked machinery up and down the slope to leave horizontal depressions in the soil, on the contour.				
	bare fill slope, track walked with volunteer vegetation	Bare fill slope or stockpile, tracked machinery up and down the slope to leave horizontal depressions in the soil, on the contour. Seed mix of volunteer grass and forbs, poor stand.				
	bare, rough	Bare slopes, shallow grooves by track walking, scarifying, sheepsfoot rolling, or imprinting.				
	bare, rough with volunteer vegetation	Bare slopes, shallow grooves by track walking, scarifying, sheepsfoot rolling, or imprinting. Seed mix of volunteer grass and forbs, poor stand.				

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Soil Preparation/ Roughening ⁽⁷⁾	ripping/ ridging 12 in high	Bare slopes, Ripping/ridging soil to leave 12 inch high horizontal depressions in the soil, on the contour.	Not in Caltrans BMP Manual.		EC-15	Soil Preparation / Roughening
	ripping/ ridging 12 in high with volunteer vegetation	Bare slopes, Ripping/ridging soil to leave 12 inch high horizontal depressions in the soil, on the contour. Seed mix of volunteer grass and forbs, poor stand.				
	ripping/ ridging 6 in high	Bare slopes, Ripping/ridging soil to leave 6 inch high horizontal depressions in the soil, on the contour.				
	ripping/ ridging 6 in high with volunteer vegetation	Bare slopes, Ripping/ridging soil to leave 6 inch high horizontal depressions in the soil, on the contour. Seed mix of volunteer grass and forbs, poor stand.				
	track walking	Tracked machinery up and down the slope to leave horizontal depressions in the soil, on the contour.				
	track walking with volunteer vegetation	Tracked machinery up and down the slope to leave horizontal depressions in the soil, on the contour. Seed mix of volunteer grass and forbs, poor stand.				
Rock slope protection	Rock slope protection	Applied at 200,000 lb/ac, rock size of 6- to 12-inches and greater is the norm.	Not in Caltrans BMP Manual.		EC-16	Non-vegetative Stabilization
SEDIMENT CONTROL						
Silt fence	Silt Fence - SE-1	Moderate permeable barrier retardance class in RUSLE2. Refers to "retardance" to surface water flow.	SC-1	Silt Fence	SE-1	Silt Fence
	Silt Fence reinforced with metal fabric	Moderate permeable barrier retardance class in RUSLE2. Refers to "retardance" to surface water flow.				
	Silt Fence reinforced with straw bales	Extreme permeable barrier retardance class in RUSLE2. Refers to "retardance" to surface water flow.				
Modeled in RUSLE2 under "Diversions, Terraces, Sediment Basins" Step 5.			SC-2	Sediment / Desilting Basin	SE-2	Sediment Basin
Modeled in RUSLE2 under "Diversions, Terraces, Sediment Basins" Step 5.			SC-3	Sediment Trap	SE-3	Sediment Trap
Not modeled in RUSLE2.			SC-4	Check Dam	SE-4	Check Dams
Fiber rolls	Fiber roll, wattle 6 inch	6-inch diameter straw wattle. Low permeable barrier retardance class in RUSLE2. Refers to "retardance" to surface water flow.	SC-5	Fiber Rolls	SE-5	Fiber Rolls
	Fiber roll, wattle 9 inch	9-inch diameter straw wattle. Moderate permeable barrier retardance class in RUSLE2. Refers to "retardance" to surface water flow.				
	Fiber roll, wattle 12 inch	12-inch diameter straw wattle. High permeable barrier retardance class in RUSLE2. Refers to "retardance" to surface water flow.				
	Fiber roll, wattle 24 inch	24-inch diameter straw wattle. Extreme permeable barrier retardance class in RUSLE2. Refers to "retardance" to surface water flow.				
Compost sock	Compost Sock, 8-inch	8-inch diameter. Moderate permeable barrier retardance class in RUSLE2. Refers to "retardance" to surface water flow.			SE-13	Compost Socks and Berms
	Compost Sock, 12-inch	12-inch diameter. High permeable barrier retardance class in RUSLE2. Refers to "retardance" to surface water flow.				
Gravel bag berm	Gravel Bag Berm SE-6	1-inch gravel. Moderate permeable barrier retardance class in RUSLE2. Refers to "retardance" to surface water flow.	SC-6	Gravel Bag Berm	SE-6	Gravel Bag Berm

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Not modeled in RUSLE2.			SC-7	Street Sweeping and Vacuuming	SE-7	Street Sweeping and Vacuuming
Sandbag barrier	Sand Bag Barrier SE-8	Course sand. Moderate permeable barrier retardance class in RUSLE2. Refers to "retardance" to surface water flow.	SC-8	Sandbag Barrier	SE-8	Sandbag Barrier
Straw bale barrier	Straw Bale Barrier- SE-9	High permeable barrier retardance class in RUSLE2. Refers to "retardance" to surface water flow.	SC-9	Straw Bale Barrier	SE-9	Straw Bale Barrier
Not modeled in RUSLE2.			SC-10	Storm Drain Inlet Protection	SE-10	Storm Drain Inlet Protection
See "Fiber rolls" section.			See SC-5 above.		SE-13	Compost Socks and Berms (near SE-5 above)

NOTES:

(1) BMPs in the RUSLE2 Management Tab are listed in both the temporary BMPs folder (Construction phase) and permanent BMPs folder (Post-construction phase) under the similar names. They differ by how long they are simulated to be in service by RUSLE2. The Construction phase BMPs are modeled in use for 2 years, whereas the Post-construction phase vegetated BMPs are modeled in use for 15 years.

(2) Application rates (lb/ac) are dry weights of fiber material. Tackifiers and stabilizing emulsions, if included in the mixture, are not part of the dry weights.

(3) Materials (e.g., wood fiber, netting, tackifier, etc) used in the BMPs are biodegradable.

(4) Caltrans RUSLE2 uses a mix of perennial ryegrass and white clover to model a seed mix of grass and forbs. For Winter seed applications, small grain annuals are added.

(5) Fiber for hydromulch can be wood, cellulose (paper), or an alternative fiber such as cotton or corn stalks, fine screened compost, or a combination. RUSLE2 does not show a difference in the type of fiber used.

(6) Tackifier for Bonded Fiber Matrix (BFM) is a high performance, cross-linked adhesive. Polymer Stabilized Fiber Matrix (PSFM) uses polyacrylamide (PAM). PAM is a passive treatment technology triggering additional requirements under the CGP, see Attachment G. Other hydromulch applications use guar, psyllium, starch, polymeric blends, polysaccharides, or a combination. RUSLE2 does not show a difference in the type of tackifier used.

(7) Soil roughening is not a standalone BMP and should be installed in combination with other Soil Stabilization BMPs

ACRONYMS:

BFM = Bonded fiber matrix	SC = Sediment control
CECB = Compost erosion control blanket	SE = Sediment control
EC = Erosion control	SS = Soil stabilization
NS = Non-stormwater management	TC = Tracking control
PSFM = Polymer stabilized fiber matrix	WE = Wind erosion
RECP = Rolled erosion control product	WM = Waste management and materials pollution control