

Product Information Guide

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Mat, Inc. is a manufacturer of quality erosion control products for the hydraulic seeding industry. Our family of products are designed to satisfy requirements from the most difficult mountain slope to an easy home lawn. Use this product guide and the performance curve on the back to select the product that is right for your project.



SOIL GUARD[®] is a Bonded Fiber Matrix erosion control system that provides blanket-like protection with dramatic savings in time and labor. The hydraulic application needs no special site preparation and conforms to almost any soil surface. Once dry, the matrix becomes water insoluble for maximum protection and effective germination.



MAT-SUPER PLUS[®] was created for applications where an extra measure of protection is desired but where a full strength BFM is not needed. Enhanced protection is achieved through a blend of whole wood fibers, tackifiers and other proprietary ingredients. It is designed to reduce erosion caused by wind and rainfall.



MAT-FIBER PLUS[®] is a 100% wood fiber mulch designed to give top performance in hydraulic planting equipment. It features a high grade organic tackifier measured and premixed 3% by weight. It delivers increased performance and erosion control by strongly bonding the seed, fiber, and soil together. The tackifier also lubricates the slurry for improved pumpability and easy application.



MAT-BLEND 50/50 PLUS[®] is a special blend of wood fiber, recycled newsprint, plus a high quality tackifier. It is premixed so it is easier, safer, and more effective to use. Tests show that premixed fiber and tackifier combinations are 20-30% more effective than when mixed in the field.



MAT-AG FIBER PLUS[®] has all the great qualities of Mat-Ag Fiber[®] plus the benefit of having a high quality tackifier added. Increased holding power means better performance with fewer washouts and call backs, saving both time and money. Mat-Ag Fiber is carefully premixed so that it can be used with confidence, eliminating the need of mixing one's own tackifier.



MAT-FIBER[®] is a 100% wood fiber hydraulic planting mulch. Its long fibers interlock and cling to the soil, forming a protective web-like network that holds seeds in place. Sprays easily in one application for consistent growth and reliable performance. The result is faster, uniform growth using the least amount of material at the lowest total cost.



MAT-BLEND[®] combines the economy of clean recycled newsprint with the powerful performance of Mat-Fiber. The result is an outstanding mulch for a wide range of applications. It is vastly superior to straight paper mulch. The blend makes for an unbeatable value to performance ratio.



MAT-AG FIBER[®] is a new technology to the hydraulic seeding industry. It is made from 100% corn stover fibers. This deep green mulch creates a protective mat on the soil giving structural integrity, excellent water holding capabilities and outstanding carbon to nitrogen ratio. It also hydrates quickly to reduce mixing time. Better performance means better germination for a lawn that turns greener, faster, naturally.



GRASS-MAT[®] is an erosion control blanket made from a blend of clean Aspen or Birch wood fibers and corn stover. It is reinforced with photo-degradable Rayon netting. They are designed for the vegetation of soils on slopes and flat areas. Manufactured in five foot widths, the mats can be custom made to any length. Super absorbents, and/or biodegradable Polypropylene netting can also be added to meet all job requirements.



MAT-SOIL SOLUTIONS[®] is a high performance line of add-on products for the hydraulic seeding industry. This family of products include: Coverage Dye, Micronized or Liquid Lime, Alkaline Adjuster, Synthetic Fibers, Hydro Treatment Polyacrylamide and Super Tack. Please refer to the Soil Solutions Product Information Guide or the Product Cd to aid in selecting the right mulch enhancing soil solution for any project.

Area Coverage Per Load For Mat Fiber Mulch in a Hydroseeding Machine

Tank Capacity (in Gallons)	Seed	Fertilizer	Mulch	# of Bags (50 lbs.bags)	Coverage Area (Sq.Ft.)
300	35	35	150	3	4356
500	36	58	250	5	7260
800	58	93	400	8	11,616
1200	140	139	600	12	17424
1500	174	174	750	15	21,780
2500	290	290	1250	25	36,300
3000	349	348	1500	30	43,560

*Based on rates-per-acre of 1500 lbs. mulch, 400 lbs. fertilizer, 345 lbs. (8 lbs./1000 sq.ft.) seed.
Mat Fiber can be mixed at 50 lbs. per 100 gals. water in most hydroseeders with tower application.*

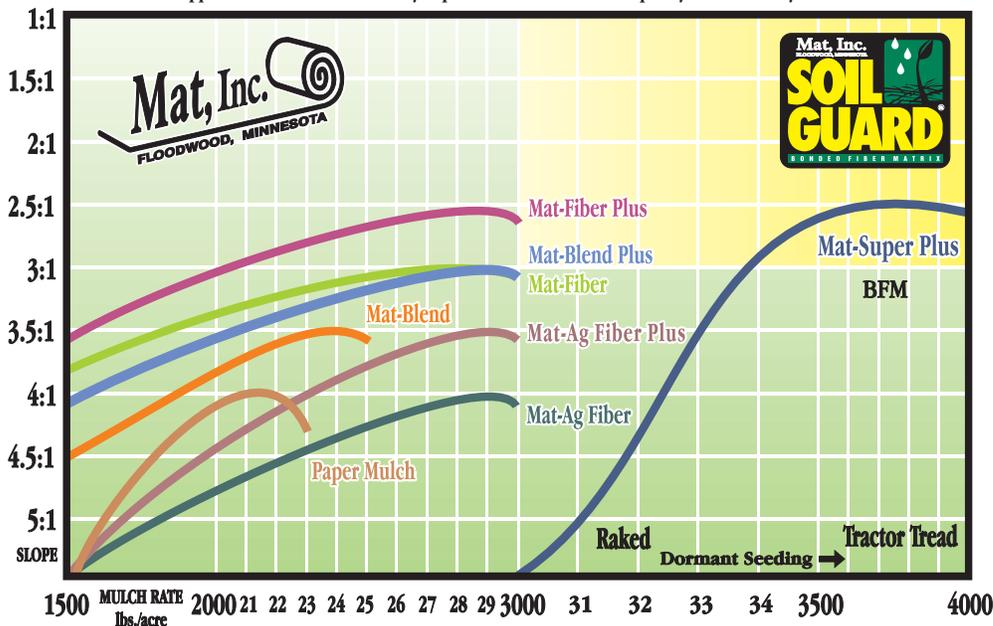
Area Coverage Per Load For Soil Guard Bonded Fiber Matrix

Tank Capacity (in Gallons)	# of Bags (50 lbs.bags)	Volume (Gals)	Coverage Area (Sq.Ft.)	Coverage Area (acres)
300	3	324	2175	.017
500	5	540	3,610	.083
800	8	864	5,800	.133
1000	12	1080	7,250	.166
1200	15	1296	8,700	.200
2500	25	2700	18,150	.417
3000	30	3240	21,750	.500

Based on rates-per-acre of 3000 lbs. Soil Guard can be mixed at 50 lbs. per 100 gals. water.

PRODUCT PERFORMANCE CURVE

These Product Performance Curves are based on field applications of Mat products by dedicated and performance minded applicators. Count on our family of products when consistent quality and reliability are demanded.



To Determine Application Rate

Based on rates in pounds-per-acre. (lbs./acre)

- A. Multiply **total sq. ft.** to be covered, by desired **mulch rate** in lbs./acre.
- B. Divide the answer to **A** by **43,560**. (sq.ft. in 1 acre)
- C. Divide **B** by the number of lbs./ bag = # no. of bags.

Example:

15,000 sq. ft. x 2,000 lbs./acre = 30,000,000
 30,000,000 ÷ 43,560 = 688 lbs. mulch
 688 ÷ 50 lbs./bag = 13.77 bags

Metric Example:

2000 sq. meters x 2,000 kgs./hectare = 3,400,000
 3,400,000 ÷ 10,000 = 340 kgs. mulch
 340 kgs. ÷ 22.6 kgs./bag = 15.04 bags