



A **tensar** Company

HYDRACM™

STEEP SLOPE MATRIX™

HydraCM Steep Slope Matrix Loading Chart

No. 50 lbs bales	Mulch lbs	Water (gals)	Working Capacity	1500 lbs/acre		2500 lbs/acre		3000 lbs/acre		3500 lbs/acre		4000 lbs/acre	
				Sq Ft	Acres	Sq Ft	Acres	Sq Ft	Acres	Sq Ft	Acres	Sq Ft	Acres
1	50	100	115	1452	0.033	871	0.020	726	0.017	622	0.014	545	0.013
2	100	200	230	2904	0.067	1742	0.040	1452	0.033	1245	0.029	1089	0.025
3	150	300	345	4356	0.100	2614	0.060	2178	0.050	1867	0.043	1634	0.038
4	200	400	460	5808	0.133	3485	0.080	2904	0.067	2489	0.057	2178	0.050
5	250	500	575	7260	0.167	4356	0.100	3630	0.083	3111	0.071	2723	0.063
6	300	600	690	8712	0.200	5227	0.120	4356	0.100	3734	0.086	3267	0.075
7	350	700	805	10164	0.233	6098	0.140	5082	0.117	4356	0.100	3812	0.088
8	400	800	920	11616	0.267	6970	0.160	5808	0.133	4978	0.114	4356	0.100
9	450	900	1035	13068	0.300	7841	0.180	6534	0.150	5601	0.129	4901	0.113
10	500	1000	1150	14520	0.333	8712	0.200	7260	0.167	6223	0.143	5445	0.125
15	750	1500	1725	21780	0.500	13068	0.300	10890	0.250	9334	0.214	8168	0.188
20	1000	2000	2300	29040	0.667	17424	0.400	14520	0.333	12446	0.286	10890	0.250
25	1250	2500	2875	36300	0.833	21780	0.500	18150	0.417	15557	0.357	13613	0.313
30	1500	3000	3450	43560	1.000	26136	0.600	21780	0.500	18669	0.429	16335	0.375
35	1750	3500	4025	50820	1.167	30492	0.700	25410	0.583	21780	0.500	19058	0.438
40	2000	4000	4600	58080	1.333	34848	0.800	29040	0.667	24891	0.571	21780	0.500

Additional Notes

- * Extremely rough grades will require higher application rates
- * Be sure to allow for residual material in tank on subsequent applications



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Helpful Tips for Use of High Performance Hydromulches

- HydraCM is most easily introduced to the slurry by cutting the lower portion of the bag on 3 of the 4 sides, thus leaving the bottom portion of the bag attached. Next, make a slit in the upper portion of the bag to create an air hole, allowing the HydraCM to drop into the tank for instant agitation.
- Avoid dropping the bag, a piece of the bag, or any foreign objects into the slurry. If this should happen, is imperative to stop the machine before the object reaches the pump.
- Agitate HydraCM for a minimum of ten minutes then reduce the paddle speed to a slow roll to prevent cavitations.
- Maintain paddle speed during the application process.
- Avoid blasting the soil's surface during application by utilizing the appropriate nozzle. For short distance applications use a fan-tip nozzle. Using a long distance nozzle at close range could significantly alter the soil's surface.
- All hydroseeders have a bypass valve that increases/decreases the amount of pressure within the lines. Most erosion control professionals choose not to use the bypass valve due to its sensitivity. Instead, the pressure is adjusted by fluctuating RPMs of the motor accordingly.
- After applying the mulch in opposing directions, it is beneficial to spray the mulch upward in a lofting manner to produce a cap for the mulch's surface.
- Even though the green dye in HydraCM is UV sensitive, allowing the green color to bleach out after approximately seven days, avoid spraying houses, mailboxes, cars, and other object directly with the HydraCM.
- Lubricate the hose at the beginning of filling process (water filling stage before adding mulch or additives) by opening the nozzle valve and pumping only water through the hose. Turn the nozzle valve off trapping water in the hose. This lubricates the hose and assists in preventing hose clogs