



A **tensar** Company

# HYDRACX<sup>2</sup>

COTTON FIBER REINFORCED MATRIX

## HydraCX<sup>2</sup> Cotton Fiber Reinforcement Matrix (FRM) Loading Chart

FRM 50 lbs bales	FRM lbs	Water (gals)	Working Capacity Displacement (gals)	3000 lbs/acre		3500 lbs/acre		4000 lbs/acre		4500 lbs/acre	
				Sq Ft	Acres	3500 lbs/ac Sq Ft	Acres	4000 lbs/ac Sq Ft	Acres	4500 lbs/ac Sq Ft	Acres
1	50	100	115	726	0.017	622	0.014	545	0.013	484	0.011
2	100	200	230	1452	0.033	1245	0.029	1089	0.025	968	0.022
3	150	300	345	2178	0.050	1867	0.043	1634	0.038	1452	0.033
4	200	400	460	2904	0.067	2489	0.057	2178	0.050	1936	0.044
5	250	500	575	3630	0.083	3111	0.071	2723	0.063	2420	0.056
6	300	600	690	4356	0.100	3734	0.086	3267	0.075	2904	0.067
7	350	700	805	5082	0.117	4356	0.100	3812	0.088	3388	0.078
8	400	800	920	5808	0.133	4978	0.114	4356	0.100	3872	0.089
9	450	900	1035	6534	0.150	5601	0.129	4901	0.113	4356	0.100
10	500	1000	1150	7260	0.167	6223	0.143	5445	0.125	4840	0.111
15	750	1500	1725	10890	0.250	9334	0.214	8168	0.188	7260	0.167
20	1000	2000	2300	14520	0.333	12446	0.286	10890	0.250	9680	0.222
25	1250	2500	2875	18150	0.417	15557	0.357	13613	0.313	12100	0.278
30	1500	3000	3450	21780	0.500	18669	0.429	16335	0.375	14520	0.333
35	1750	3500	4025	25410	0.583	21780	0.500	19058	0.438	16940	0.389
40	2000	4000	4600	29040	0.667	24891	0.571	21780	0.500	19360	0.444

**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 Hints for Use of High Performance Hydromulches

- HydraCX<sup>2</sup> 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 HydraCX<sup>2</sup> 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 HydraCX<sup>2</sup> 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 HydraCX<sup>2</sup> 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 HydraCX<sup>2</sup>.
- Lubricate the pump and hoses at the beginning of an application by leaving the nozzle off and pumping a modest amount of mulch through the hoses. The lubrication process assists in preventing hose clogs caused by dewatering.