

# Profile™ Products Base Hydraulic Mulch Loading Chart and Application Guide

- Rates are based on product mixing rate of 50 pounds per 100 gallons of water.
- Always refer to equipment manufacturer's specifications for working capacity of the machine.

Water (gal)	Mulch Fiber (50-lb bales)	Mulch Fiber (lb)	1,500 lb/acre		2,000 lb/acre		2,500 lb/acre	
			Sq ft	Acres	Sq ft	Acres	Sq ft	Acres
100	1	50	1,452	0.03	1,089	0.03	871	0.02
300	3	150	4,356	0.10	3,267	0.08	2,614	0.06
500	5	250	7,260	0.17	5,445	0.13	4,356	0.10
700	7	350	10,164	0.23	7,623	0.18	6,098	0.14
900	9	450	13,068	0.30	9,801	0.23	7,841	0.18
1,100	11	550	15,972	0.37	11,979	0.28	9,583	0.22
1,300	13	650	18,876	0.43	14,157	0.33	11,326	0.26
1,500	15	750	21,780	0.50	16,335	0.38	13,068	0.30
1,700	17	850	24,684	0.57	18,513	0.43	14,810	0.34
1,900	19	950	27,585	0.63	20,691	0.48	16,553	0.38
2,100	21	1,050	30,492	0.70	22,869	0.53	18,295	0.42
2,300	23	1,150	33,396	0.77	25,047	0.58	20,038	0.46
2,500	25	1,250	36,300	0.83	27,225	0.63	21,780	0.50
2,700	27	1,350	39,204	0.90	29,403	0.68	23,522	0.54
2,800	29	1,450	42,108	0.97	31,581	0.73	25,265	0.58

## Application/Loading Procedures

- Strictly comply with equipment manufacturer's installation instructions and recommendations.
  - Measure and stake area to ensure proper application rates.
  - For maximum performance, apply in a two-step process\*:
    - Apply fertilizer with specified prescriptive agronomic formulations along with 50% of seed with a small amount of mulch for visual metering.
    - Mix balance of seed and apply mulch at a rate of 50 pounds per 100 gallons of water over freshly seeded surfaces. See loading chart above and confirm loading rates with equipment manufacturer. Do not leave seeded surfaces unprotected, especially if precipitation is imminent.
  - Fill 1/3 of the hydroseeder with water. Turn pump on for 15 seconds and purge and pre-wet lines. Turn pump off.
  - Turn agitator on and load low density materials first (i.e. seed).
  - Continue slowly filling tank with water while loading mulch into tank.
  - Consult loading chart above to determine the number of bags to be added for desired area and application rate.
  - Mulch should be completely loaded before water level reaches 90% of the top of tank.
  - Add fertilizer and top off with water.
  - Mix until all fiber is fully broken apart and hydrated (minimum of 10 minutes—increase mixing time when applying in cold conditions). This is very important to fully activate tackifiers and to obtain proper viscosity.
  - Shut off recirculation valve to minimize potential for air to be drawn into the slurry.
  - Slow down agitator and start applying with a 50-degree fan tip nozzle.
  - Spray in opposing directions to achieve at least 75% soil coverage.
- \*Hydraulic mulch may be applied in a one-step process where all components may be mixed together in single tank loads. Consult with manufacturer for further details.

### Additional Notes:

- For hose applications, 40 lb/100 gal is recommended.
- Rough surfaces (rocky terrain, cat tracks, ripped soils, etc.) may require additional product to achieve a minimum of 75% coverage.
- Be sure to allow for residual material in tank on subsequent applications.

### Visual Key for Proper Application



1,500 lb/acre



2,000 lb/acre

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