



Metric Application Guide for Profile® High Performance (HP) Hydraulic Mulch

Application / Loading Procedures

- A.** Strictly comply with equipment Manufacturer's installation instructions and recommendations. Use approved hydro-spraying machines with fan-type nozzle (50-degree tip) whenever possible to achieve best soil coverage. Apply from opposing directions to assure 100% soil surface coverage. Slope interruption devices or water diversion techniques are recommended according to the slope interruption limits table on the back.
- B.** To ensure proper application rates, measure and stake area. Apply fertilizer with specified prescriptive solutions along with seed and HM at a rate of **23 kilograms per 380 liters of water** over properly prepared surfaces. See loading chart on the back and confirm loading rates with equipment manufacturer. Do not apply on saturated soils or substrates. Do not apply if precipitation is anticipated within 24-48 hours.
- C.** Fill 1/3 of the mechanically agitated hydroseeder with water. Turn pump on for 15 seconds and purge and pre-wet lines. Turn pump off.
- D.** Turn agitator on, open recirculation valve and load low density materials first (i.e. seed).
- E.** Continue slowly filling tank with water while loading mulch into tank.
- F.** Consult loading chart on the back to determine the number of bags to be added for desired area and application rate.
- G.** Mulch should be completely loaded before water level reaches 75% of the top of tank.
- H.** Top off with water and 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 the bonding additives and to obtain proper viscosity.
- I.** Add fertilizer and any other remaining amendments.
- J.** Shut off recirculation valve to minimize potential for air entrainment within the slurry.
- K.** Slow down agitator and start applying with a 50-degree fan tip nozzle.
- L.** Spray in opposing directions for maximum soil coverage.
- M.** Upon completion of application, return to water source to repeat mixing and application sequence or to flush equipment. Thoroughly purge pump and all lines of residual materials from previous load. Monitor residual material in tank after purging; excess material may reduce number of bales to be mixed in subsequent loads.

- Always refer to equipment manufacturer's specifications for working capacity of the machine.
- Best results and more rapid curing are achieved at temperatures exceeding 60°F (15°C). Curing times may be accelerated in high temperature, low humidity and windy conditions with product applied on dry soils.
- Always flush residual slurry from hydraulic seeding/mulching equipment immediately following each application, at the end of each work period or when equipment will be left unattended; compounds containing Urea, Nitrogen, Phosphorus, Potassium and macro/micronutrients may form and can be hazardous to human health and equipment.

Loading Chart for Profile® High Performance (HP) Hydraulic Mulch

Tank Size L (gal)	# of 22.7-kg bales	Mulch Fiber kg	1,680 kg/ha		2,240 kg/ha		2,800 kg/ha	
			m ²	ha	m ²	ha	m ²	ha
379 (100)	1	23	135	0.01	101	0.01	81	0.01
946 (250)	2.5	57	337	0.03	253	0.02	202	0.02
1,136 (300)	3	68	405	0.04	304	0.03	243	0.02
1,893 (500)	5	113	674	0.07	506	0.05	405	0.04
2,650 (700)	7	159	944	0.09	708	0.07	567	0.06
2,839 (750)	7.5	170	1,012	0.10	759	0.08	607	0.06
3,407 (900)	9	204	1,214	0.12	911	0.09	728	0.07
3,785 (1,000)	10	227	1,349	0.13	1,012	0.10	809	0.08
5,678 (1,500)	15	340	2,023	0.20	1,518	0.15	1,214	0.12
7,571 (2,000)	20	454	2,698	0.27	2,023	0.20	1,619	0.16
9,464 (2,500)	25	567	3,372	0.34	2,529	0.25	2,023	0.20
11,356 (3,000)	30	680	4,047	0.40	3,035	0.30	2,428	0.24
13,249 (3,500)	35	794	4,721	0.47	3,541	0.35	2,833	0.28
15,142 (4,000)	40	907	5,396	0.54	4,047	0.40	3,237	0.32

Additional Notes:

- For hose applications, 18.1 kg/378.5 L is recommended.
- Rough surfaces (rocky terrain, cat tracks, ripped soils, etc.) may require additional product to achieve adequate soil coverage.
- Be sure to allow for residual material in tank on subsequent applications.

Application Rates		
	Slope Condition	SI
Wood with Tack*	≤ 4H to 1V	2,240 kg/ha
	> 4H to 1V and ≤ 3H to 1V	2,800 kg/ha
Wood	≤ 4H to 1V	2,240 kg/ha
	> 4H to 1V and ≤ 3H to 1V	2,800 kg/ha
Blend with Tack	≤ 4H to 1V	2,240 kg/ha
	> 4H to 1V and ≤ 3H to 1V	2,800 kg/ha
Blend	≤ 4H to 1V	2,240 kg/ha
	> 4H to 1V and ≤ 3H to 1V	2,800 kg/ha
Cellulose with Tack**	≤ 4H to 1V	1,680-2,240 kg/ha
Cellulose**	≤ 4H to 1V	1,680-2,240 kg/ha

*Below ECB or TRM 1,680 kg/ha is recommended.

**For maximum performance, 2,240 kg/ha is recommended.

Slope Interruption Limits*	
Product Category	Length (m)
Wood with Tack	9.1
Wood	6.1
Blend with Tack	6.1
Blend	4.6
Cellulose with Tack**	4.6
Cellulose**	4.6

* Listed slope interruption limits are for product applications on a 3H to 1V slope. For application on steeper slopes, slope interruption lengths may need to be decreased.

** Based on 4H to 1V slope

Visual Key for Proper Application

Proper Application



Improper Application



1,680 kg/ha



2,240 kg/ha



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