

# Calculations

## Capacity and calculation sheet

Approximate truck capacity for each type of product \*

Products	10 wheeler	12 wheeler	3 axles	4 axles	Settling**
Mulches, RCW and Playground fiber	18 yd <sup>3</sup> - 14 m <sup>3</sup>	25 yd <sup>3</sup> - 19 m <sup>3</sup>	60 yd <sup>3</sup> - 46 m <sup>3</sup>	70 yd <sup>3</sup> - 54 m <sup>3</sup>	30-35%
Plus Mix, Super Mix and Composts	18 yd <sup>3</sup> - 14 m <sup>3</sup>	25 yd <sup>3</sup> - 19 m <sup>3</sup>	60 yd <sup>3</sup> - 46 m <sup>3</sup>	70 yd <sup>3</sup> - 54 m <sup>3</sup>	35%
Eco Green Mix, Mix no 1 and topsoil	16 yd <sup>3</sup> - 12.5 m <sup>3</sup>	20 yd <sup>3</sup> - 15 m <sup>3</sup>	35 yd <sup>3</sup> - 27 m <sup>3</sup>	38 yd <sup>3</sup> - 29 m <sup>3</sup>	20-25%
Mix no 2	18 yd <sup>3</sup> - 14 m <sup>3</sup>	23 yd <sup>3</sup> - 18 m <sup>3</sup>	45 yd <sup>3</sup> - 34 m <sup>3</sup>	50 yd <sup>3</sup> - 38 m <sup>3</sup>	30%
Basic sports field mix	17 yd <sup>3</sup> - 13 m <sup>3</sup>	21 yd <sup>3</sup> - 16 m <sup>3</sup>	40 yd <sup>3</sup> - 31 m <sup>3</sup>	45 yd <sup>3</sup> - 34 m <sup>3</sup>	50%
Sand and Stones	16 metric tons	19 metric tons	33 metric tons	37 metric tons	
Golf and sport field mixes	16 metric tons	19 metric tons	33 metric tons	37 metric tons	

\* These are approximate quantities which may vary according to various factors (humidity, truck model and tare weight, etc.)

\*\* Depending on soil thickness and installation method, settling will vary.

! Ask your representative about quantities during the thaw period (load restriction)

## Useful calculation tips

Number of cubic yards required (rectilinear area)	Width (feet) x length (feet) x depth (feet) divided by 27 = number of cubic yards (yd <sup>3</sup> ) required (before settling)
Number of cubic meters required (rectilinear area)	Width (meter) x length (meter) x depth (meter) = number of cubic meters (m <sup>3</sup> ) required (before settling)
Number of cubic yards required (circular area)	3.1416 x radius <sup>2</sup> (feet) x depth (feet) divided by 27 = number of cubic yards (yd <sup>3</sup> ) required (before settling)
Number of cubic meters required (circular area)	3.1416 x radius <sup>2</sup> (meter) x depth (meter) = number of cubic meters (m <sup>3</sup> ) required (before settling)

Try the new interactive tool to calculate quantities at [www.savaria.ca/outil-calculs.php](http://www.savaria.ca/outil-calculs.php)

## Conversion

1 yd <sup>3</sup> = 0.7641 m <sup>3</sup>	1 in = 0.08 foot	1 cm = 0.01 meter = 10 mm
1 m <sup>3</sup> = 1.3079 yd <sup>3</sup>	2 in = 0.16 foot	5 cm = 0.05 meter = 50 mm
1 yd <sup>3</sup> = 27 ft <sup>3</sup>	3 in = 0.25 foot	10 cm = 0.1 meter = 100 mm
1 ft <sup>3</sup> = 0.028 m <sup>3</sup>	4 in = 0.33 foot	15 cm = 0.15 meter = 150 mm
1 m <sup>3</sup> = 1000 L	5 in = 0.42 foot	20 cm = 0.2 meter = 200 mm
1 yd <sup>3</sup> = 765 L	6 in = 0.5 foot	30 cm = 0.3 meter = 300 mm
1 ft <sup>2</sup> = 0.0929 m <sup>2</sup>	7 in = 0.58 foot	50 cm = 0.5 meter = 500 mm
1 m <sup>2</sup> = 10.76 ft <sup>2</sup>	8 in = 0.67 foot	100 cm = 1 meter = 1000 mm
1 ft = 0.3048 m	9 in = 0.75 foot	150 cm = 1.5 meter = 1500 mm
1 m = 3.2808 ft	10 in = 0.83 foot	200 cm = 2 meters = 2000 mm
1 cm = 0.3937 in	11 in = 0.92 foot	300 cm = 3 meters = 3000 mm
1 in = 2.54 cm = 25.4 mm	12 in = 1 foot	600 cm = 6 meters = 6000 mm
1 metric ton = 1000 kg (2200 lbs)		
1 imperial ton = 907 kg (1995 lbs)		

