BOWIE

HYDRO-MULCHER®

ADCM 800/1100

Specifications

Engine:
Yanmar 47 hp Diesel Engine

Pump:
3500 IB Bowie Gear Pump

ADCM 800

Length: 16'-10" (513 cm)
Width: 7'- 6" (229 cm)
Height: 9'- 9" (297 cm)
Empty Weight:
6245 lbs.
(2833 kg)
Liquid Capacity:
958 US Gallons
(3626 Liters)

ADCM 1100

Length: 18'-5" (561 cm)
Width: 7'-6" (229 cm)
Height: 9'- 9" (297 cm)
Empty Weight:
6880 lbs.
(3121 kg)
Liquid Capacity:
1134 US Gallons
(4292 Liters)

Standard Included Parts and Equipment:
Clear Water Flush System
4-Nozzles (EC1735, EC1739, EC1740, EC1749)
4-Part F Quick Couplers
1-Part D Quick Coupler
Spanner Wrench
Parts Manual
Engine Manual
Warranty
*operating dimensions

Bowie manufactures two models of landfill machines, the ***ADCM 800*** and the ***ADCM 1100***.

These units are identical in every feature other than tank capacity.

Both models are mounted on large diameter, thick wall flotation tires and have a heavy duty reinforced tongue with adjustable hitch.

These units are powered by a 47 hp Yanmar diesel engine and utilize a Bowie 3500 series gear pump providing greater discharge distance without cavitations or clogging problems.

The mulch shredder bar provides faster loading and mixing without start-stop or reverse agitation.

All units come with a clear water flush system for cleaning the pump and tower.

For your daily landfill cover requirements, you can rely on Bowie's ***"Built Strong...Built to Last"*** equipment.

For Information / Dealer Location:
www.bowieindustries.com
1-800-433-0934

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"Built Strong...Built to Last"

COVERAGE PER TANK LOAD

There is a lot of misinformation and confusion (sometimes intentional) about coverage rates per tank load. Coverage per tank load is a function of the amount of mulch put on the ground. In the event of hydroseeding (seeding not using any mulch), the coverage per tank load is almost limitless. The following is an attempt to shed some light on the situation and give some general information. Please keep in mind that there is no substitute for actual experience.

Variables: Type of mulch (virgin wood fiber, paper, blend, BFM's, FGM's), brand of mulch, additives making slurry "slicker", tower operation vs. hose, length of hose if using hose, experience or expertise of operator.

Generally: Using a quality brand of virgin wood fiber mulch, without an additive, shooting from the tower, with an average operator, a Bowie Hydro-Mulcher® will handle approximately 1 lb. of mulch per 2 gallons of water. The superior mechanical agitation with shredder bar and straight through plumbing system enables these heavier loading rates. The loading rates for paper mulch is approximately 2 lbs. of mulch per 3 gallons of water.

Basic Math: Generally, the benchmark rate for mulch application is 2,000 lbs. per acre. Since there are approximately 44,000 sq. ft. per acre, 1 lb. of mulch will cover 22 sq. ft.

Coverage Per Tank Load Chart: Using the above assumptions, the following chart gives the approximate coverage per tank load using a 2,000 lbs. per acre rate for virgin wood fiber and paper mulches.

Size	Virgin Wood Fiber	Paper
300	3,300 sq. ft.	4,400 sq. ft.
500	5,500 sq. ft.	7,333 sq. ft.
600	6,600 sq. ft.	8,800 sq. ft.
800	8,800 sq. ft.	11,733 sq. ft.
1100	12,100 sq. ft.	16,133 sq. ft.
1500	16,500 sq. ft.	22,000 sq. ft.
3000	33,000 sq. ft.	44,000 sq. ft.

Other Mulch Rates: The above chart is easily converted to other common mulch rates by using the following factors.

1,000 lbs. / acre - multiply sq. ft. by 2
1,500 lbs. / acre - multiply sq. ft. by 1.33
2,000 lbs. / acre - no adjustment necessary
2,500 lbs. / acre - multiply sq. ft. by .8
3,000 lbs. / acre - multiply sq. ft. by .67

Generally speaking, it requires a higher application of paper mulch to achieve the same results as with virgin fiber mulch. Please consider this when choosing paper vs. virgin wood fiber mulch.