

Morbark Wood Hog

In 2009 Bernards Township purchased a Morbark Wood Hog mulching machine. This machine can transform 120 cubic yards of loose brush into 1 box (30 cubic yards) of woodchips/mulch in a matter of a couple of hours.

The Township grinds and uses approximately 200-300, 30 yard containers of wood refuse annually. The purchase and usage of the wood hog has saved transportation and disposal costs, cost of purchasing and trucking in woodchips and mulch, and associated environmental costs in regard to pollution and energy resource consumption. In the Fall of 2013 the Township recycled approximately 10,500 CY of wood refuse.



MORBARK HORIZONTAL GRINDER 2012

WEEKLY CUBIC YARDS OF BRUSH, CHIPS, LEAVES TO BE GROUND

DATE	Chips	CY	ReMill Total	Leaves	CY	Total	Brush	CY	Total	Total Yards	DESCRIPTION MULCH MADE (CUBIC YARDS)	Eng Read	RunHours	MULCH/RESIDENTS
JANUARY														
1/3/2012			0		0		5	30	150	150	75yds(single mill)	436.6	2.3	
1/10/2012			0		0		10	30	300	300	50yds(xmas trees)	440.8	4.2	
1/18/2012			0		0		5	30	150	150	25yds(xmas trees)	441.8	1	
1/18/2012			0		0		5	30	150	150	75yds(single mill)	444.8	3	
1/30/2012			0		0		4	20	80	80	4yds(single mill)	447.0	2.2	
1/30/2012			0		0		1	20	20	20	5yds(xmas trees)	447.8	0.8	
			0		0				0					
			0		0				0					
JAN Totals			0		0		30		850				13.5	
FEBRUARY														
2/21/2012			0		0		4	30	120	120	60yds(single mill)	450.8	3	
2/21/2012			0		0		1	30	30	30	15yds(single mill)Kennedy Farm	452.6	1.8	
2/27/2012			0		0		2	30	60	60	30yds(single mill)	454.4	1.8	
			0		0		0		0					
			0		0		0		0					
			0		0		0		0					
			0		0		0		0					
Feb Totals			0		0		7		210	210			6.6	6.6
MARCH														
3/7/2012			0		0		1	30	30	30	15yds(single mill)	455.0	0.6	
3/7/2012			0		0		4	30	120	120	100yds(double mill)	457.7	2.7	
3/8/2012			0		0		10	20	200	200	180yds(double mill)	461.0	3.3	
3/19/2012			0		0		7	30	210	210	100yds(single mill)	465.6	4.6	
3/26/2012			0		0		12	20	240	240	120yds(single mill)	469.4	3.8	
			0		0				0					
			0		0				0					
			0		0				0					
March Totals			0		0		34		800				15	21.6
APRIL														
4/3/2012			0		0		4	30	120	120	60yds(single mill)	472.3	2.9	
4/3/2012			0		0		5	10	50	50	40yds(doudle mill)	473.4	1.1	
4/4/2012			0		0		10	20	200	200	180yds(double mill)	480.0	6.6	
4/5/2012			0		0		7	10	70	70	60yds(double mill)	481.2	1.2	
4/11/2012			0		0		9	20	180	180	80yds(single mill)	484.7	3.5	
4/13/2012			0		0		4	20	80	80	40yds(single mill)Kennedy Farm	486.8	2.1	
4/18/2012			0		0		6	30	180	180	90yds(single mill)	491.3	4.5	
4/24/2012			0		0		6	30	180	180	90yds(single mill)	495.1	3.8	
April Totals			0		0		51		1060		640 after processing		25.7	47.3

MAY													
5/7/2012			0		0	13	20	260	260	130yds(single mill)	499.4	4.3	
5/8/2012			0		0	19	20	380	380	320yds(double Mill)Regrind	504.4	5	
5/9/2012			0		0	2	20	40	40	20yds(single mill)McCullum	508.8	4.4	
5/10/2012			0		0	2	20	40	40	20yrd(single mill)McCullum	512.2	3.4	
5/22/2012			0		0	10	20	200	200	100yds(single mill)	515.0	2.8	
			0		0	0		0					
			0		0	0		0					
May Totals			0		0	46		920		490 CY after processing		19.9	67.2
JUNE													
6/6/2012			0		0	10	20	200	200	100yds(single mill)	517.5	2.5	
6/7/2012			0		0	6	20	120	120	60yds(single mill)	520.0	2.5	
6/15/2012			0	18	20	360	0	0	360	300yds(yard)	525.4	5.4	
6/18/2012			0	5	20	100	0	0	100	80yds(yard)	528.0	2.6	
6/18/2012			0			0	20	120	120	60yds(single mill)	530.0	2	
6/19/2012			0			0	20	180	180	90yds(single mill)	534.0	4	changed hammers
6/20/2012			0			0	20	360	360	300yds(Double mill)	539.2	5.2	
			0			0		0					
June Totals			0	23		460	31	980				24.2	91.4
JULY													
7/5/2012			0	0		0	20	200	200	100yds(single mill)	543.8	4.6	
7/24/2012			0	0		0	20	300	300	150yds(single mill)	547.6	3.8	
			0	0		0		0					
			0	0		0		0					
			0	0		0		0					
			0	0		0		0					
			0	0		0		0					
July Totals			0	0		0	25	500				8.4	99.8
AUGUST													
8/6/2012			0	0		0	20	180	180	90yds(single Mill)	550.8	3.2	
8/20/2012			0	0		0	30	150	150	75yds(single mill)	554.0	3.2	
			0	0		0		0					
			0	0		0		0					
			0	0		0		0					
			0	0		0		0					
			0	0		0		0					
August Totals			0	0		0	14	330				6.4	106.2
SEPTEMBER													
9/17/2012			0	0		0	30	300	300	150yds(single mill)	559.4	5.4	
			0	0		0		0					
			0	0		0		0					
			0	0		0		0					
			0	0		0		0					
			0	0		0		0					
Sept Totals			0	0		0	10	300				5.4	111.6

OCTOBER													
10/2/2012			0		0	13	20	260	260	120yds (single mill)	565.0	5.6	
10/15/2012			0	5	10	50	5	30	150	200	75yds(single mill)25yds(leaves)	568.9	3.9
			0						0				
			0						0				
			0						0				
			0						0				
			0						0				
			0						0				
Oct Totals			0	5	10	50	18	50	410	460			9.5
NOVEMBER													
11/5/2012			0	0		0	13	20	260	260	125 single mill(hurricane sandy)	573.2	4.3
11/6/2012			0	0		0	9	20	180	180	90yds single mill(Hurricane)	579.5	6.3
11/7/2012			0	0		0	3	30	150	150	75yds single mill(Hurricane)	585.2	5.7
11/10/2012			0	0		0	4	30	120	120	60yds single mill(Hurricane Sandy)	597.3	28.4
11/11/2012			0	0		0	4	30	120	120	60yds single mill(hurricane	605.9	8.6
11/12/2012			0	0		0	4	30	120	120	60yrd single mill(hurricane)	610.0	4.1
11/13/2012			0	0		0	4	30	120	120	60yrd single mill(hurricane)	615.0	5
11/14/2012			0	0		0	4	30	120	120	60yrd single mill(hurricane)	620.9	5.9
11/15/2012			0	0		0	4	30	120	120	60 yrd single mill(hurricane)	626.1	5.2
11/16/2012			0	0		0	4	30	120	120	60yrd single mill(hurricane)	634.0	7.9
11/17/2012							4	30	120	120	60yrd single mill(hurricane)	640.0	6
11/18/2012							4	30	120	120	60yrd single mill(hurricane)	647.4	7.4
11/19/2012							4	30	120	120	60yrd single mill(hurricane)	653.0	5.6
11/20/2012							4	30	120	120	60yrd single mill(hurricane)	658.2	5.2
11/23/2012							4	30	120	120	60yrd single mill(hurricane)	665.3	7.1
11/25/2012							4	30	120	120	60yrd single mill(hurricane)	672.8	7.5
11/26/2012							4	30	120	120	60yrd single mill(hurricane)	679.4	6.6
11/27/2012							4	30	120	120	60yrd single mill(hurricane)	682.5	3.1
11/28/2012							4	30	120	120	60yrd single mill(hurricane)	689.2	6.7
11/29/2012							4	30	120	120	60yrd single mill(hurricane)	694.8	5.6
11/30/2012			0	0		0	4	30	120	120	60yrd single mill(hurricane)	701.4	6.6
Nov. Totals			0	0		0	97		2750	1375			132.5
DECEMBER													
12/1/2012			0	0		0	4	30	120	120	60yrd single mill(hurricane)	708.9	7.5
12/2/2012			0	0		0	4	30	120	120	60yrd single mill(hurricane)	716.4	7.5
12/3/2012			0	0		0	4	30	120	120	60yrd single mill(hurricane)	719.8	3.4
12/4/2012			0	0		0	4	30	120	120	60yrd single mill(hurricane)	721.9	2.1
12/5/2012			0	0		0	4	30	120	120	60yrd single mill(hurricane)	723.2	3.4
12/6/2012			0	0		0	4	30	120	120	60yrd single mill(hurricane)	727.9	4.7
12/8/2012			0	0		0	4	30	120	120	60yrd single mill(hurricane)	734.0	6.1
12/9/2012							4	30	120	120	60yrd single mill(hurricane)	741.6	7.6
12/11/2012							4	30	120	120	60yrd single mill(hurricane)	744.2	2.6
12/12/2012							4	30	120	120	60yrd single mill(hurricane)	747.2	3
12/13/2012							4	30	120	120	60yrd single mill(hurricane)	749.8	2.6
12/15/2012							4	30	120	120	60yrd single mill(hurricane)	756.6	6.8
12/16/2012							4	30	120	120	60yrd single mill(hurricane)	764.3	7.7
12/17/2012							4	30	120	120	60yrd double mill(hurricane)	768.6	4.3
			0	0		0			0				
Dec. Totals			0	0		0	56		1680				69.3
			0			510			10790				
Year End Totals	Chips			Leaves			Brush						

MORBARK HORIZONTAL GRINDER 2013

WEEKLY CUBIC YARDS OF BRUSH, CHIPS, LEAVES TO BE GROUND

DATE	Chips	CY	ReMill Total	Leaves	CY	Total	Brush	CY	Total	Total Yards	DESCRIPTION MULCH MADE (CUBIC YARDS)	Eng Read	RunHours	MULCH/RESIDENTS
JANUARY 2013														
			0			0			0		UNIT OUT OF REPAIR	768.6		Last operating hours logged in 2012
			0			0			0		NOT USED			
			0			0			0		NOT USED			
			0			0			0		NOT USED			
			0			0			0		NOT USED			
			0			0			0		NOT USED			
			0			0			0		NOT USED			
JAN Totals			0			0	0		0			768.6	0	
FEBRUARY 2013														
											February Start Hours	781.1		Hour reading after repair return
2-7-2013			0			0	15	20	300	300	150yrd(single mill)	785.6	4.5	NEW BELTS INSTALLED CHECK FOR
2-14-2013			0			0	10	20	200	200	100yrd(single mill)	789.4	3.8	ADJUSTMENT AS NEEDED
2-15-2013			0			0	15	20	300	300	150yrd(single mill)	795.0	5.6	
2-19-2013			0			0	10	20	200	200	100yrd(single mill)	798.0	3	
			0			0	0	0	0					
			0			0	0	0	0					
			0			0	0	0	0					
			0			0	0	0	0					
Feb Totals			0			0	50		1000	1000			16.9	
MARCH 2013														
3-4-2013			0			0	12	20	240	240	120yrd(single mill)	802.4	4.4	
3-20-2013			0			0	5	30	150	150	75yrd(single mill)	809.9	7.5	
3-21-2013			0			0	6	20	120	120	60yrd(Single mill)	813.0	3.1	
			0			0			0					
			0			0			0					
			0			0			0					
			0			0			0					
March Totals			0			0	23		510				15	
APRIL 2013														
4-4-2013			0			0	11	20	220	220	110yrd(single mill)	819.0	6	
4-5-2013			0			0	6	20	120	120	60yrd(single mill)	822.4	3.4	
4-8-2013			0			0	12	20	240	240	120yrd(single mill)	827.0	4.6	
4-9-2013			0			0	2	20	40	40	20yrd(single mill)	828.8	1.8	
4-10-2013			0			0	15	20	300	300	250yrd(double mill)	835.2	6.4	
4-11-2013			0			0	15	20	300	300	250yrd(double mill)	840.6	5.4	
4-15-2013			0			0	15	20	300	300	250yrd(double mill)	846.0	5.4	
4-16-2013							12	20	240	240	120yrd(single mill)	850.1	4.1	
4-17-2013							4	20	80	80	40yrd(single mill) LOGS	852.8	2.7	
4-24-2013							5	30	150	150	75yrd(single mill)	855.2	2.4	
4-25-2013							3	20	60	60	35yrd(single mill)	856.3	1.1	
4-30-2013			0			0	10	20	200	200	100yrd(single mill)	860.6	4.3	
April Totals			0			0	110		2250				47.6	59.5 hours since overhaul

MAY 2013													
5-13-2013			0			0	12	20	240	240	120yds(single mill)	866.8	6.2
5-14-2013			0			0	3	30	90	90	45yds(single mill)	869.2	2.4
5-27-2013			0			0	13	20	260	260	125yds(single mill)	876.4	7.2
5-28-2013			0			0	3	30	90	90	45yds(single mill)	877.5	1.1
			0			0							
			0			0	0		0				
			0			0	0		0				
May Totals			0			0	31		680				16.9
JUNE 2013													
6-11-13			0	0	0	0	14	20	280	280	145yds(single mill)	883.2	5.7
6-24-13			0	0	0	0	13	20	260	260	125yds(single mill)	889.0	5.8
6-25-13			0	0	0	0	15	20	300	300	150yds(Triple mill)	892.3	3.3
6-26-13			0	0	0	0	5	30	150	150	150yds(Triple mill)	898.0	5.7
6-27-13			0	0	0	0	5	30	150	150	150yds(Triple mill)	903.7	5.7
6-28-13			0	0	0	0	5	30	150	150	150yds(Triple mill)	905.4	1.7
			0	0	0	0	0	0	0				
			0	0	0	0	0	0	0				
June Totals			0	0		0	57		1290				27.9
JULY 2013													
7-8-13			0	0	0	0	11	20	220	220	110yds(SINGLE MILL)	910.2	4.8
7-24-13			0	0	0	0	4	30	120	120	60yds(single mill)	913.4	3.2
7-25-13			0	0	0	0	3	30	90	90	45yds(single mill)	915.1	1.7
			0	0	0	0	0	0	0				
			0	0	0	0	0	0	0				
			0	0	0	0	0	0	0				
			0	0	0	0	0	0	0				
July Totals			0	0		0	18		430				9.7
AUGUST 2013													
8-14-2013			0	0	0	0	8	30	240	240	120yds(double mill)	919.0	3.9
8-15-2013			0	0	0	0	10	20	200	200	100yds(double mill)	922.0	3
8-16-2013			0	0	0	0	15	20	300	300	150yds(double mill)	926.2	4.2
8-19-2013			0	0	0	0	15	20	300	300	150yds(double mill)	930.5	4.3
8-20-2013			0	0	0	0	15	20	300	300	150yds(double mill)	934.8	4.3
8-27-2013			0	0	0	0	10	20	200	200	100yds (single mill)	939.3	4.5
			0	0	0	0	0	0	0				
			0	0	0	0	0	0	0				
August Totals			0	0		0	73		1540				24.2
SEPTEMBER 2013													
9-11-2013			0	0	0	0	9	20	180	180	90yds(single mill)	942.6	3.3
9-25-2013			0	0	0	0	9	20	180	180	90yds(single mill)	945.3	2.7
			0	0	0	0	0	0	0				
			0	0	0	0	0	0	0				
			0	0	0	0	0	0	0				
			0	0	0	0	0	0	0				
Sept Totals			0	0		0	18		360				6

OCTOBER 2013														
10-10-2013			0	3	20	60	6	30	180	240	30yds leaf/ 80yds single mill	949.6	4.3	
10-21-2013			0	6	20	120	3	20	60	180	60yds leaf/ 30yds single mill	955.0	5.4	
10-22-2013			0	0		0	5	30	150	150	75yds single mill	958.1	3.1	
10-23-2013			0	11	20	220	0	0	0	220	180yds leaf	963.8	5.7	
			0	0		0	0	0	0					
			0	0		0	0	0	0					
			0	0		0	0	0	0					
			0	0		0	0	0	0					
Oct Totals			0	20	60	400	14		390	790			18.5	
NOVEMBER 2013														
11-6-13			0	5	20	100	9	20	180	280	50yds leaf/90 yds single mill	969.2	5.4	
11-11-13			0	8	30	240			0	240	120yds leaf	974.9	5.7	
11-12-13			0	8	20	160	3	30	90	250	80yds leaf/45 single mill	977.7	2.8	
11-18-13			0	10	20	200			0	200	100yds leaf	981.2	3.5	
11-19-13			0	10	20	200			0	200	100yds leaf	987.2	6	
11-25-13			0	13	20	260			0	260	130yds leaf	993.4	6.2	
11-26-13			0	1	20	20	2	30	60	80	10yds leaf/30yds single mill	995.7	2.3	
			0	0		0			0					
Nov. Totals			0	55		1180	14		330	1510			31.9	
DECEMBER 2013														
12-27-13			0	20	4	80	30	3	90	170	40YRDS LEAF/45YRDS SINGLE MILL	1001.1	5.4	
			0	0		0			0					
			0	0		0			0					
			0	0		0			0					
			0	0		0			0					
			0	0		0			0					
			0	0		0			0					
Dec.Totals			0	0		80	30		90				5.4	
			0			1660			8870					
Year End Totals	Chips		Leaves			Brush								





