



Model 58 Screening Plant

For Aggregates, Asphalt Millings, Etc. Fines/Overs Split 60/40

Screen Opening Size	Feed Rate in Cubic Yards per Hour	Yield Rate in Cubic Yards Fines @ 60%	Yield Rate in Cubic Yards Overs @ 40%	Time in Hours to Screen 100 Cubic Yards	Estimated Production in 8 Hours Cubic Yards	Estimated Production in 5 Days Cubic Yards
0.5 = 1/2"	50	30.00	20.00	2.00	400	2000
0.75 = 3/4"	60	36.00	24.00	1.67	480	2400
1.0 = 1"	71	42.60	28.40	1.41	568	2840
1.25 = 1 1/4"	80	48.00	32.00	1.25	640	3200
1.5 = 1 1/2"	90	54.00	36.00	1.11	720	3600
2.0 = 2"	105	63.00	42.00	0.95	840	4200
2.5 = 2 1/2"	105	63.00	42.00	0.95	840	4200
3.0 = 3"	105	63.00	42.00	0.95	840	4200

Assumptions:

The Material divides @ 60% Fines and 40% Overs

The Feeding Rate is steady.

The numbers are estimates and only actual operation on site will prove performance levels.

Model 58 Screening Plant

For Aggregates, Asphalt Millings, Etc. Fines/Overs Split 90/10

Screen Opening Size	Feed Rate in Cubic Yards per Hour	Yield Rate in Cubic Yards Fines @ 90%	Yield Rate in Cubic Yards Overs @ 10%	Time in Hours to Screen 100 Cubic Yards	Estimated Production in 8 Hours Cubic Yards	Estimated Production in 5 Days Cubic Yards
0.5 = 1/2"	35	31.50	3.50	2.86	280	1400
0.75 = 3/4"	42	37.80	4.20	2.38	336	1680
1.0 = 1"	52	46.80	5.20	1.92	416	2080
1.25 = 1 1/4"	55	49.50	5.50	1.82	440	2200
1.5 = 1 1/2"	60	54.00	6.00	1.67	480	2400
2.0 = 2"	70	63.00	7.00	1.43	560	2800
2.5 = 2 1/2"	70	63.00	7.00	1.43	560	2800
3.0 = 3"	70	63.00	7.00	1.43	560	2800

Assumptions: (Split is changed from above)

The Material divides @ 90% Fines and 10% Overs

The Feeding Rate is steady.

The numbers are estimates and only actual operation on site will prove performance levels.

Notes: Estimated production rates shown are taken from interpolated performance of machines being used on actual job sites. Please consider they assume the materials are fit for screening and that hourly production rates indicated are those calculated from steady running without interruptions.

Model 58 Screening Plant

Well Finished Compost Fines/Overs Split 60/40

Screen Opening Size	Feed Rate in Cubic Yards per Hour	Yield Rate in Cubic Yards Fines @ 60%	Yield Rate in Cubic Yards Overs @ 40%	Time in Hours to Screen 100 Cubic Yards	Estimated Production in 8 Hours Cubic Yards	Estimated Production in 5 Days Cubic Yards
.125=1/8"	14	8.40	5.60	7.14	112	560
0.1875=3/16"	20	12.00	8.00	5.00	160	800
0.25=1/4"	30	18.00	12.00	3.33	240	1200
0.375=3/8"	49	29.40	19.60	2.04	392	1960
0.5 = 1/2"	62	37.20	24.80	1.61	496	2480
0.75 = 3/4"	73	43.80	29.20	1.37	584	2920
1.0 = 1"	85	51.00	34.00	1.18	680	3400
1.25 = 1 1/4"	99	59.40	39.60	1.01	792	3960

Assumptions:

The Material is well composted @ 30% moisture or less.

The Compost will ball in your hand, crumble freely when the ball is broken.

The Material divides @ 60% fines and 40% overs.

The feeding rate is steady.

The numbers are estimates and only actual operation on site will prove performance levels.

Feed and Yield Rates

Orbit Screens, A Division of Multitek North America, LLC
406 Air Park Dr/ P.O. Box 170 Prentice, WI 54556
715-428-2000 www.orbitscreens.com



Model 58 Screening Plant

Well Finished Compost

Screen Opening Size	Feed Rate in Cubic Yards per Hour	Yield Rate in Cubic Yards Fines @ 90%	Yield Rate in Cubic Yards Overs @ 10%	Fines/Overs Split 90/10		
				Time in Hours to Screen 100 Cubic Yards	Estimated Production in 8 Hours Cubic Yards	Estimated Production in 5 Days Cubic Yards
.125=1/8"	12	10.80	1.20	8.33	96	480
0.1875=3/16"	17	15.30	1.70	5.88	136	680
0.25=3/4"	26	23.40	2.60	3.85	208	1040
0.375=3/8"	41	36.90	4.10	2.44	328	1640
0.5 =1/2"	50	45.00	5.00	2.00	400	2000
0.75 = 3/4"	60	54.00	6.00	1.67	480	2400
1.0 = 1"	71	63.90	7.10	1.41	568	2840
1.25 = 1 1/4"	80	72.00	8.00	1.25	640	3200

Assumptions: (Split is changed from above)

The Material is well composted @ 30% moisture or less.

The Compost will ball in your hand, crumble freely when the ball is broken.

The Material devides @ 90% fines and 10% overs.

The Feeding Rate is steady.

The numbers are estimates and only actual operation on site will prove performance levels.

Notes: Estimated production rates shown are taken from interpolated performance of machines being used on actual job sites. Please consider they assume the materials are fit for screening and that hourly production rates indicated are those calculated from steady running without interruptions.

Model 58 Screening Plant

Mulch

Screen Opening Size	Feed Rate in Cubic Yards per Hour	Yield Rate in Cubic Yards Fines @ 60%	Yield Rate in Cubic Yards Overs @ 40%	Fines/Overs Split 60/40		
				Time in Hours to Screen 100 Cubic Yards	Estimated Production in 8 Hours Cubic Yards	Estimated Production in 5 Days Cubic Yards
0.5 =1/2"	40	24.00	16.00	2.50	320	1600
0.75 = 3/4"	50	30.00	20.00	2.00	400	2000
1.0 = 1"	61	36.60	24.40	1.64	488	2440
1.25 = 1 1/4"	72	43.20	28.80	1.39	576	2880
1.5=1 1/2"	82	49.20	32.80	1.22	656	3280
2.0=2"	95	57.00	38.00	1.05	760	3800
2.5=2 1/2"	95	57.00	38.00	1.05	760	3800
3.0=3"	95	57.00	38.00	1.05	760	3800

Assumptions:

The Mulch has been chipped, not hammer mill processed.

If the Mulch has been hammer milled, reduce feed rates shown by 25%

The Material devides @ 60% fines and 40% overs.

The feeding rate is steady.

The numbers are estimates and only actual operation on site will prove performance levels.

Model 58 Screening Plant

Mulch

Screen Opening Size	Feed Rate in Cubic Yards per Hour	Yield Rate in Cubic Yards Fines @ 90%	Yield Rate in Cubic Yards Overs @ 10%	Fines/Overs Split 90/10		
				Time in Hours to Screen 100 Cubic Yards	Estimated Production in 8 Hours Cubic Yards	Estimated Production in 5 Days Cubic Yards
0.5 =1/2"	34	30.60	3.40	2.94	272	1360
0.75 = 3/4"	41	36.90	4.10	2.44	328	1640
1.0 = 1"	50	45.00	5.00	2.00	400	2000
1.25 = 1 1/4"	55	49.50	5.50	1.82	440	2200
1.5=1 1/2"	60	54.00	6.00	1.67	480	2400
2.0=2"	73	65.70	7.30	1.37	584	2920
2.5=2 1/2"	84	75.60	8.40	1.19	672	3360
3.0=3"	94	84.60	9.40	1.06	752	3760

Assumptions: (Split is changed from above)

The Mulch has been chipped, not hammer mill processed.

If the Mulch has been hammer milled, reduce feed rates shown by 25%

The Material devides @ 90% fines and 10% overs.

The Feeding Rate is steady.

The numbers are estimates and only actual operation on site will prove performance levels.

Notes: Estimated production rates shown are taken from interpolated performance of machines being used on actual job sites. Please consider they assume the materials are fit for screening and that hourly production rates indicated are those calculated from steady running without interruptions.

Feed and Yield Rates



Model 58 Screening Plant

Top Soil

Screen Opening Size	Feed Rate in Cubic Yards per Hour	Yield Rate in Cubic Yards Fines @ 60%	Yield Rate in Cubic Yards Overs @ 40%	Fines/Overs Split 60/40		
				Time in Hours to Screen 100 Cubic Yards	Estimated Production in 8 Hours Cubic Yards	Estimated Production in 5 Days Cubic Yards
0.1875=3/16"	18	10.80	7.20	5.56	144	720
0.25=1/4"	28	16.80	11.20	3.57	224	1120
0.375=3/8"	45	27.00	18.00	2.22	360	1800
0.5 =1/2"	56	33.60	22.40	1.79	448	2240
0.75 = 3/4"	64	38.40	25.60	1.56	512	2560
1.0 = 1"	75	45.00	30.00	1.33	600	3000
1.25 = 1 1/4"	86	51.60	34.40	1.16	688	3440
1.5=1 1/2"	98	58.80	39.20	1.02	784	3920
2.0=2"	108	64.80	43.20	0.93	864	4320

Assumptions:

- The Top Soil is not wet, sticky, gummy or blue clay.
- The Top Soil will ball in your hand, crumble freely when the ball is broken
- The Material divides @ 60% fines and 40% overs.
- The feeding rate is steady.
- The numbers are estimates and only actual operation on site will prove performance levels.

Model 58 Screening Plant

Top Soil

Screen Opening Size	Feed Rate in Cubic Yards per Hour	Yield Rate in Cubic Yards Fines @ 90%	Yield Rate in Cubic Yards Overs @ 10%	Fines/Overs Split 90/10		
				Time in Hours to Screen 100 Cubic Yards	Estimated Production in 8 Hours Cubic Yards	Estimated Production in 5 Days Cubic Yards
0.1875=3/16"	14	12.60	1.40	7.14	112	560
0.25=1/4"	23	20.70	2.30	4.35	184	920
0.375=3/8"	36	32.40	3.60	2.78	288	1440
0.5 =1/2"	46	41.40	4.60	2.17	368	1840
0.75 = 3/4"	54	48.60	5.40	1.85	432	2160
1.0 = 1"	66	59.40	6.60	1.52	528	2640
1.25 = 1 1/4"	72	64.80	7.20	1.39	576	2880
1.5=1 1/2"	85	76.50	8.50	1.18	680	3400
2.0=2"	97	87.30	9.70	1.03	776	3880

Assumptions: (Split is changed from above)

- The Top Soil is not wet, sticky, gummy or blue clay.
- The Top Soil will ball in your hand, crumble freely when the ball is broken
- The Material divides @ 90% fines and 10% overs.
- The Feeding Rate is steady.
- The numbers are estimates and only actual operation on site will prove performance levels.

Notes: Estimated production rates shown are taken from interpolated performance of machines being used on actual job sites. Please consider they assume the materials are fit for screening and that hourly production rates indicated are those calculated from steady running without interruptions.

Model 68 Screening Plant

For Aggregates, Asphalt Millings, Etc.

Screen Opening Size	Feed Rate in Cubic Yards per Hour	Yield Rate in Cubic Yards Fines @ 60%	Yield Rate in Cubic Yards Overs @ 40%	Fines/Overs Split 60/40		
				Time in Hours to Screen 100 Cubic Yards	Estimated Production in 8 Hours Cubic Yards	Estimated Production in 5 Days Cubic Yards
0.5 =1/2"	74	44.40	29.60	1.35	592	2960
0.75 = 3/4"	87	52.20	34.80	1.15	696	3480
1.0 = 1"	102	61.20	40.80	0.98	816	4080
1.25 = 1 1/4"	119	71.40	47.60	0.84	952	4760
1.5 = 1 1/2"	125	75.00	50.00	0.80	1000	5000
2.0 = 2"	125	75.00	50.00	0.80	1000	5000
2.5 = 2 1/2"	125	75.00	50.00	0.80	1000	5000
3.0 = 3"	125	75.00	50.00	0.80	1000	5000

Assumptions:

- The Material divides @ 60% Fines and 40% Overs
- The Feeding Rate is steady.
- The numbers are estimates and only actual operation on site will prove performance levels.

Feed and Yield Rates

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Model 68 Screening Plant

For Aggregates, Asphalt Millings, Etc.

Screen Opening Size	Feed Rate in Cubic Yards per Hour	Yield Rate in Cubic Yards Fines @ 90%	Yield Rate in Cubic Yards Overs @ 10%	Fines/Overs Split 90/10		
				Time in Hours to Screen 100 Cubic Yards	Estimated Production in 8 Hours Cubic Yards	Estimated Production in 5 Days Cubic Yards
0.5 = 1/2"	60	54.00	6.00	1.67	480	2400
0.75 = 3/4"	72	64.80	7.20	1.39	576	2880
1.0 = 1"	85	76.50	8.50	1.18	680	3400
1.25 = 1 1/4"	96	86.40	9.60	1.04	768	3840
1.5 = 1 1/2"	112	100.80	11.20	0.89	896	4480
2.0 = 2"	120	108.00	12.00	0.83	960	4800
2.5 = 2 1/2"	120	108.00	12.00	0.83	960	4800
3.0 = 3"	120	108.00	12.00	0.83	960	4800

Assumptions: (Split is changed from above)

The Material divides @ 90% Fines and 10% Overs

The Feeding Rate is steady.

The numbers are estimates and only actual operation on site will prove performance levels.

Notes: Estimated production rates shown are taken from interpolated performance of machines being used on actual job sites. Please consider they assume the materials are fit for screening and that hourly production rates indicated are those calculated from steady running without interruptions.

Model 68 Screening Plant

Well Finished Compost

Screen Opening Size	Feed Rate in Cubic Yards per Hour	Yield Rate in Cubic Yards Fines @ 60%	Yield Rate in Cubic Yards Overs @ 40%	Fines/Overs Split 60/40		
				Time in Hours to Screen 100 Cubic Yards	Estimated Production in 8 Hours Cubic Yards	Estimated Production in 5 Days Cubic Yards
.125=1/8"	17	10.20	6.80	5.88	136	680
0.1875=3/16"	24	14.40	9.60	4.17	192	960
0.25=1/4"	36	21.60	14.40	2.78	288	1440
0.375=3/8"	59	35.40	23.60	1.69	472	2360
0.5 = 1/2"	74	44.40	29.60	1.35	592	2960
0.75 = 3/4"	87	52.20	34.80	1.15	696	3480
1.0 = 1"	102	61.20	40.80	0.98	816	4080
1.25 = 1 1/4"	119	71.40	47.60	0.84	952	4760

Assumptions:

The Material is well composted @ 30% moisture or less.

The Compost will ball in your hand, crumble freely when the ball is broken.

The Material divides @ 60% fines and 40% overs.

The feeding rate is steady.

The numbers are estimates and only actual operation on site will prove performance levels.

Model 68 Screening Plant

Well Finished Compost

Screen Opening Size	Feed Rate in Cubic Yards per Hour	Yield Rate in Cubic Yards Fines @ 90%	Yield Rate in Cubic Yards Overs @ 10%	Fines/Overs Split 90/10		
				Time in Hours to Screen 100 Cubic Yards	Estimated Production in 8 Hours Cubic Yards	Estimated Production in 5 Days Cubic Yards
.125=1/8"	14	12.60	1.40	7.14	112	560
0.1875=3/16"	20	18.00	2.00	5.00	160	800
0.25=3/4"	31	27.90	3.10	3.23	248	1240
0.375=3/8"	49	44.10	4.90	2.04	392	1960
0.5 = 1/2"	60	54.00	6.00	1.67	480	2400
0.75 = 3/4"	72	64.80	7.20	1.39	576	2880
1.0 = 1"	85	76.50	8.50	1.18	680	3400
1.25 = 1 1/4"	96	86.40	9.60	1.04	768	3840

Assumptions: (Split is changed from above)

The Material is well composted @ 30% moisture or less.

The Compost will ball in your hand, crumble freely when the ball is broken.

The Material divides @ 90% fines and 10% overs.

The Feeding Rate is steady.

The numbers are estimates and only actual operation on site will prove performance levels.

Notes: Estimated production rates shown are taken from interpolated performance of machines being used on actual job sites. Please consider they assume the materials are fit for screening and that hourly production rates indicated are those calculated from steady running without interruptions.

Feed and Yield Rates



Orbit Screens

Model 68 Screening Plant

Mulch

Screen Opening Size	Feed Rate in Cubic Yards per Hour	Yield Rate in Cubic Yards Fines @ 60%	Yield Rate in Cubic Yards Overs @ 40%	Fines/Overs Split 60/40		
				Time in Hours to Screen 100 Cubic Yards	Estimated Production in 8 Hours Cubic Yards	Estimated Production in 5 Days Cubic Yards
0.5 = 1/2"	50	30.00	20.00	2.00	400	2000
0.75 = 3/4"	60	36.00	24.00	1.67	480	2400
1.0 = 1"	70	42.00	28.00	1.43	560	2800
1.25 = 1 1/4"	78	46.80	31.20	1.28	624	3120
1.5 = 1 1/2"	88	52.80	35.20	1.14	704	3520
2.0 = 2"	99	59.40	39.60	1.01	792	3960
2.5 = 2 1/2"	110	66.00	44.00	0.91	880	4400
3.0 = 3"	110	66.00	44.00	0.91	880	4400

Assumptions:

The Mulch has been chipped, not hammer mill processed.

If the Mulch has been hammer milled, reduce feed rates shown by 25%

The Material divides @ 60% fines and 40% overs.

The feeding rate is steady.

The numbers are estimates and only actual operation on site will prove performance levels.

Model 68 Screening Plant

Mulch

Screen Opening Size	Feed Rate in Cubic Yards per Hour	Yield Rate in Cubic Yards Fines @ 90%	Yield Rate in Cubic Yards Overs @ 10%	Fines/Overs Split 90/10		
				Time in Hours to Screen 100 Cubic Yards	Estimated Production in 8 Hours Cubic Yards	Estimated Production in 5 Days Cubic Yards
0.5 = 1/2"	45	40.50	4.50	2.22	360	1800
0.75 = 3/4"	55	49.50	5.50	1.82	440	2200
1.0 = 1"	65	58.50	6.50	1.54	520	2600
1.25 = 1 1/4"	76	68.40	7.60	1.32	608	3040
1.5 = 1 1/2"	86	77.40	8.60	1.16	688	3440
2.0 = 2"	96	86.40	9.60	1.04	768	3840
2.5 = 2 1/2"	106	95.40	10.60	0.94	848	4240
3.0 = 3"	106	95.40	10.60	0.94	848	4240

Assumptions: (Split is changed from above)

The Mulch has been chipped, not hammer mill processed.

If the Mulch has been hammer milled, reduce feed rates shown by 25%

The Material divides @ 90% fines and 10% overs.

The Feeding Rate is steady.

The numbers are estimates and only actual operation on site will prove performance levels.

Notes: Estimated production rates shown are taken from interpolated performance of machines being used on actual job sites. Please consider they assume the materials are fit for screening and that hourly production rates indicated are those calculated from steady running without interruptions.

Model 68 Screening Plant

Top Soil

Screen Opening Size	Feed Rate in Cubic Yards per Hour	Yield Rate in Cubic Yards Fines @ 60%	Yield Rate in Cubic Yards Overs @ 40%	Fines/Overs Split 60/40		
				Time in Hours to Screen 100 Cubic Yards	Estimated Production in 8 Hours Cubic Yards	Estimated Production in 5 Days Cubic Yards
0.1875=3/16"	22	13.20	8.80	4.55	176	880
0.25=1/4"	33	19.80	13.20	3.03	264	1320
0.375=3/8"	56	33.60	22.40	1.79	448	2240
0.5 = 1/2"	70	42.00	28.00	1.43	560	2800
0.75 = 3/4"	84	50.40	33.60	1.19	672	3360
1.0 = 1"	96	57.60	38.40	1.04	768	3840
1.25 = 1 1/4"	108	64.80	43.20	0.93	864	4320
1.5 = 1 1/2"	115	69.00	46.00	0.87	920	4600
2.0 = 2"	120	72.00	48.00	0.83	960	4800

Assumptions:

The Top Soil is not wet, sticky, gummy or blue clay.

The Top Soil will ball in your hand, crumble freely when the ball is broken

The Material divides @ 60% fines and 40% overs.

The feeding rate is steady.

The numbers are estimates and only actual operation on site will prove performance levels.

Feed and Yield Rates

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Model 68 Screening Plant

Top Soil

Screen Opening Size	Feed Rate in Cubic Yards per Hour	Yield Rate in Cubic Yards Fines @ 90%	Yield Rate in Cubic Yards Overs @ 10%	Fines/Overs Split 90/10		
				Time in Hours to Screen 100 Cubic Yards	Estimated Production in 8 Hours Cubic Yards	Estimated Production in 5 Days Cubic Yards
0.1875=3/16"	20	18.00	2.00	5.00	160	800
0.25=1/4"	30	27.00	3.00	3.33	240	1200
0.375=3/8"	49	44.10	4.90	2.04	392	1960
0.5 = 1/2"	60	54.00	6.00	1.67	480	2400
0.75 = 3/4"	71	63.90	7.10	1.41	568	2840
1.0 = 1"	83	74.70	8.30	1.20	664	3320
1.25 = 1 1/4"	94	84.60	9.40	1.06	752	3760
1.5=1 1/2"	104	93.60	10.40	0.96	832	4160
2.0=2"	112	100.80	11.20	0.89	896	4480

Assumptions: (Split is changed from above)

The Top Soil is not wet, sticky, gummy or blue clay.

The Top Soil will ball in your hand, crumble freely when the ball is broken

The Material divides @ 90% fines and 10% overs.

The Feeding Rate is steady.

The numbers are estimates and only actual operation on site will prove performance levels.

Notes: Estimated production rates shown are taken from interpolated performance of machines being used on actual job sites. Please consider they assume the materials are fit for screening and that hourly production rates indicated are those calculated from steady running without interruptions.

Feed and Yield Rates

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