

Farmall M Ground Speed Chart

USAP & NATPA RPM



Farmall M - USAP & NATPA RPM											
Data from Firestone Field & Road Data Chart											
Tire Size		Static Load Radius (in)				Tire Size		Static Load Radius (in)			
13.6-38		28.4				18.4-38		31.4			
14.9-38		29.5				16.9-34		28.2			
15.5-38		28.4				18.4-34		29.4			
16.9-38		30.4									
13.6-38		DIV I	DIV II & III	DIV IV	DIV V	18.4-38		DIV I	DIV II & III	DIV IV	DIV V
		Standard rpm	10%	20%	30%			Standard rpm	10%	20%	30%
Gear	Gear	1600	1760	1920	2080	Gear	Gear	1600	1760	1920	2080
	Reduction	mph	mph	mph	mph		Reduction	mph	mph	mph	mph
1st	92.40	2.92	3.22	3.51	3.80	1st	92.40	3.23	3.56	3.88	4.20
2nd	69.39	3.89	4.28	4.67	5.06	2nd	69.39	4.31	4.74	5.17	5.60
3rd	56.78	4.76	5.24	5.71	6.19	3rd	56.78	5.26	5.79	6.31	6.84
4th	46.78	5.78	6.35	6.93	7.51	4th	46.78	6.39	7.03	7.66	8.30
5th	14.78	18.28	20.11	21.94	23.77	5th	14.78	20.21	22.24	24.26	26.28
14.9-38		DIV I	DIV II & III	DIV IV	DIV V	16.9-34		DIV I	DIV II & III	DIV IV	DIV V
		Standard rpm	10%	20%	30%			Standard rpm	10%	20%	30%
Gear	Gear	1600	1760	1920	2080	Gear	Gear	1600	1760	1920	2080
	Reduction	mph	mph	mph	mph		Reduction	mph	mph	mph	mph
1st	92.40	3.04	3.34	3.65	3.95	1st	92.40	2.90	3.19	3.48	3.78
2nd	69.39	4.05	4.45	4.85	5.26	2nd	69.39	3.87	4.25	4.64	5.03
3rd	56.78	4.94	5.44	5.93	6.43	3rd	56.78	4.73	5.20	5.67	6.14
4th	46.78	6.00	6.60	7.20	7.80	4th	46.78	5.74	6.31	6.88	7.46
5th	14.78	18.99	20.89	22.79	24.69	5th	14.78	18.15	19.97	21.79	23.60
15.5-38		DIV I	DIV II & III	DIV IV	DIV V	18.4-34		DIV I	DIV II & III	DIV IV	DIV V
		Standard rpm	10%	20%	30%			Standard rpm	10%	20%	30%
Gear	Gear	1600	1760	1920	2080	Gear	Gear	1600	1760	1920	2080
	Reduction	mph	mph	mph	mph		Reduction	mph	mph	mph	mph
1st	92.40	2.92	3.22	3.51	3.80	1st	92.40	3.03	3.33	3.63	3.94
2nd	69.39	3.89	4.28	4.67	5.06	2nd	69.39	4.03	4.43	4.84	5.24
3rd	56.78	4.76	5.24	5.71	6.19	3rd	56.78	4.93	5.42	5.91	6.40
4th	46.78	5.78	6.35	6.93	7.51	4th	46.78	5.98	6.58	7.18	7.77
5th	14.78	18.28	20.11	21.94	23.77	5th	14.78	18.93	20.82	22.71	24.61
16.9-38		DIV I	DIV II & III	DIV IV	DIV V	Ground speeds shown are calculated based on gear reduction and tire size. Actual ground speeds may vary due to tire pressure, wear/modification and engine rpm.					
		Standard rpm	10%	20%	30%						
Gear	Gear	1600	1760	1920	2080						
	Reduction	mph	mph	mph	mph						
1st	92.40	3.13	3.44	3.76	4.07						
2nd	69.39	4.17	4.59	5.00	5.42						
3rd	56.78	5.09	5.60	6.11	6.62						
4th	46.78	6.18	6.80	7.42	8.04						
5th	14.78	19.57	21.53	23.49	25.44						

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Creeper gear is achieved by a 14:49 set of gears for 1st gear vs. stock 19:44.

Tractors stamped with the following codes have the factory creeper 1st gear:

X1A, X1E, X1G, X1L, X1M, X1N, X3A, X3H, X6, X6A, X6B, X6C.

Farmall M - USAP & NATPA RPM (Creeper 1st Gear)											
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13.6-38		28.4				18.4-38		31.4			
14.9-38		29.5				16.9-34		28.2			
15.5-38		28.4				18.4-34		29.4			
16.9-38		30.4									
13.6-38		DIV I	DIV II & III	DIV IV	DIV V	18.4-38		DIV I	DIV II & III	DIV IV	DIV V
Standard rpm		1600	1760	1920	2080	Standard rpm		1600	1760	1920	2080
Gear	Gear	1600	1760	1920	2080	Gear	Gear	1600	1760	1920	2080
Reduction	Reduction	mph	mph	mph	mph	Reduction	Reduction	mph	mph	mph	mph
1st	139.69	1.93	2.13	2.32	2.51	1st	139.69	2.14	2.35	2.57	2.78
14.9-38		DIV I	DIV II & III	DIV IV	DIV V	16.9-34		DIV I	DIV II & III	DIV IV	DIV V
Standard rpm		1600	1760	1920	2080	Standard rpm		1600	1760	1920	2080
Gear	Gear	1600	1760	1920	2080	Gear	Gear	1600	1760	1920	2080
Reduction	Reduction	mph	mph	mph	mph	Reduction	Reduction	mph	mph	mph	mph
1st	139.69	2.01	2.21	2.41	2.61	1st	139.69	1.92	2.11	2.31	2.50
15.5-38		DIV I	DIV II & III	DIV IV	DIV V	18.4-34		DIV I	DIV II & III	DIV IV	DIV V
Standard rpm		1600	1760	1920	2080	Standard rpm		1600	1760	1920	2080
Gear	Gear	1600	1760	1920	2080	Gear	Gear	1600	1760	1920	2080
Reduction	Reduction	mph	mph	mph	mph	Reduction	Reduction	mph	mph	mph	mph
1st	139.69	1.93	2.13	2.32	2.51	1st	139.69	2.00	2.20	2.40	2.60
16.9-38		DIV I	DIV II & III	DIV IV	DIV V						
Standard rpm		1600	1760	1920	2080						
Gear	Gear	1600	1760	1920	2080						
Reduction	Reduction	mph	mph	mph	mph						
1st	139.69	2.07	2.28	2.48	2.69						

Ground speeds shown are calculated based on gear reduction and tire size. Actual ground speeds may vary due to tire pressure, wear/modification and engine rpm.