

March 1st, 2006

## EZ-Steer Vehicle Measurements Database

The following table lists the measurements for the EZ-Steer™ assisted steering system approved agricultural vehicles. Also use the following starting values for all vehicles:

For information on calibrating and optimizing performance on your vehicle, go to [www.agleader.com](http://www.agleader.com) or contact your Ag Leader dealer or Ag Leader Technical Support at 515-232-5363.

### 2WD and MFWD Tractors

Use the following starting settings and the Optimizing Performance document to calibrate the EZ-Steer system for your particular tractor model and field conditions.

*Freerplay:* New machine = 0.5-1.0", Up to 3000 hrs = 0.7-2.0", Above 3000 hours = 2.0"+

*Motor Spd:* Below 5.5mph = Auto Med, Above 5.5mph = Auto High

*Aggressiveness:* Smooth field = 98-105%, Rough field 115-130%

*Antenna location:* Smooth field = front of cab, Rough field = front hood over front axle

Make	Series	Models	Steer whl dia.	Angle/turn	Wheelbase
AGCO	94x5	9435, 9455	15" (38 cm)	21 °	118" (300 cm)
	96x0	9630, 9650, 9670, 9690	15" (38 cm)	21 °	118" (300 cm)
	96x5	9635, 9655, 9675, 9695	15" (38 cm)	21 °	118" (300 cm)
Allis Chalmers	80X0	8010, 8030, 8050, 8070	15" (38 cm)	18 °	106" (270 cm)
Buhler		2145, 2160, 2180, 2210	15.9" (40 cm)	18-21 °	123" (312 cm)
Case IH	xx9x	1896, 2094, 2096, 2294, 2394, 2594	15.8" (40.1 cm)	23 °	104" (264 cm)
	MX Maxxum	MX 100, 110, 120, 135	16" (40.5 cm)	20 °	108" (106 cm)
		MX 150, 170	16" (40.5 cm)	20 °	108" (106 cm)
	71x0 Magnum	7110, 7120, 7130, 7140, 7150	15.9" (40 cm)	15-25 °	118" (300 cm)
	72x0 Magnum	7210, 7220, 7230, 7240, 7250	15.9" (40 cm)	15-25 °	118" (300 cm)
	89x0 Magnum	8920, 8930, 8940, 8950	15.8" (40.1 cm)	20 °	120" (305 cm)
	MX Magnum Gen 2	MX 210, 230, 255, 285	16" (40.5 cm)	18 °	120" (305 cm)
	MX Magnum Gen 1	MX 180, 200, 220, 240, 270	16" (40.5 cm)	18 °	118" (300 cm)
	MXM	MXM 120, 130, 140, 155	15.3" (39 cm)	15-20 °	104" (264 cm)
MXM 175, 190		15.3" (39 cm)	16-20 °	111" (282 cm)	
Fiat	G	170, 190, 210, 240	15.9" (40 cm)	18-21 °	123" (312 cm)
Fendt	Vario	409, 410, 411, 412	16" (40.5 cm)	15-20 °	95" (242 cm)
		711, 712, 714, 716	16" (40.5 cm)	15-20 °	106" (270 cm)
		815, 817, 818	16" (40.5 cm)	15-20 °	107" (272 cm)
		916, 920, 924, 926, 930	16" (40.5 cm)	15-20 °	112" (284 cm)
	Favorit	711, 712, 714, 716, 816, 818, 822, 824, 916, 920, 924, 926	16" (40.5 cm)	15-19 °	112" (285 cm)

John Deere	2x55	2155, 2355, 2555, 2755, 2855N, 2955	15.9" (40 cm)	17-23 °	90" (229 cm)
	4x30	4030, 4230, 4430, 4630	15.9" (40 cm)	21-22 °	106" (269 cm)
	4x40	4040, 4240	16" (40.5 cm)	20 °	106" (269 cm)
		4440, 4640, 4840	16" (40.5 cm)	20 °	117" (297 cm)
	4x50	4050, 4250, 4450, 4650, 4850	16" (40.5 cm)	19 °	107" (272 cm)
	4x55	4055, 4255, 4455, 4555	16" (40.5 cm)	18 °	107" (272 cm)
	4x60	4560, 4760, 4960	16" (40.5 cm)	21 °	119" (302 cm)
	6x00	6200, 6300, 6400, 6800	15.5" (40 cm)	18 °	104" (264 cm)
	6x10	6110, 6210, 6310, 6410, 6510	15.8" (40.1 cm)	18 °	100" (260 cm)
	6x20	6120, 6220, 6320, 6420	16" (40.5 cm)	21 °	95" (240 cm)
	7x00	7200, 7400	15.8" (40.1 cm)	24 °	103" (262 cm)
		7500, 7600, 7700, 7800	16" (40.5 cm)	24 °	102" (260 cm)
	7x10	7210, 7410, 7510, 7610, 7710, 7810	15.8" (40.1 cm)	25 °	110" (279 cm)
	7x20	7720, 7820, 7920	15.8" (40.1 cm)	18 °	113" (287 cm)
	8x00	8100, 8200, 8300, 8400	15.8" (40.1 cm)	21-24 °	116" (295 cm)
	8x10	8110, 8210, 8310, 8410	15.8" (40.1 cm)	21-24 °	116" (295 cm)
	8x20	8120, 8220, 8320	15.8" (40.1 cm)	21-24 °	117" (297 cm)
		8420, 8520	15.8" (40.1 cm)	21-24 °	119" (302 cm)
New Holland	8x70 Genesis	8670, 8770, 8870, 8970	15.9" (40 cm)	18-21 °	123" (312 cm)
	8x70A Genesis	8670A, 8770A, 8870A, 8970A	15.9" (40 cm)	18-21 °	123" (312 cm)
	TG	210, 230, 255, 285	16" (40.5 cm)	15 °	129" (328 cm)
	TM	120, 130, 135, 140, 150, 155, 165	15.3" (39 cm)	15-20 °	104" (264 cm)
		175, 190	15.3" (39 cm)	16-20 °	111" (282 cm)

## 4WD Articulated Tractors

Use the following starting settings and the Optimizing Performance document to calibrate the EZ-Steer system for your particular tractor model and field conditions.

*Freeplay:* 0.7-1.0"

*Motor Spd:* Below 5.5mph = Auto Med, Above 5.5mph = Auto High

*Aggressiveness:* 85-95%

*Antenna location:* Front of cab

**Note:** The wheelbase values listed for 4WD tractors may be shorter than the actual wheelbase for smooth steering.

Make	Series	Models	Steer whl dia.	Angle/turn	Wheelbase
Buhler		2290, 2335, 2360, 2375, 2425	16" (40.5 cm)	17 °	118" (300 cm)
Case IH	STX	275, 325, 440	16" (40.5 cm)	28 °	154" (391 cm)
		375, 425, 440, 450, 500	16" (40.5 cm)	25 °	154" (391 cm)
	STX QuadTrac	375, 425, 450, 500	16" (40.5 cm)	25 °	100" (254 cm)
	92x0 Steiger	9210, 9230, 9240, 9250, 9260, 9270, 9280	15" (38 cm)	28 °	118" (300 cm)
	93x0 Steiger	9310, 9330, 9350, 9370, 9380, 9390	15" (38 cm)	20 °	118" (300 cm)
Ford New Holland Versatile	9xxx	9184, 9280, 9384, 9480, 9482, 9484 9680, 9682, 9684, 9880, 9882, 9884	16" (40.5 cm)	17-25 °	118" (300 cm)
John Deere	8x30	8430, 8630	15.9" (40 cm)	24 °	90" (229 cm)
	8x40	8440, 8640	15.9" (40 cm)	24 °	90" (229 cm)
	8x50	8450, 8650	16" (40.5 cm)	25 °	125" (318 cm)
		8850	16" (40.5 cm)	25 °	133" (338 cm)
	8x60	8560, 8760, 8960	15.9" (40 cm)	22-33 °	134" (340 cm)
	8x70	8570, 8770, 8970	15.9" (40 cm)	22-33 °	134" (340 cm)
	9x00	9100, 9200, 9300, 9400	15.9" (40 cm)	16 °	114" (290 cm)
	9x20	9120, 9220, 9320, 9420, 9520, 9620	15.8" (40.1 cm)	15 °	138" (351 cm)
New Holland	TJ	375, 425, 450, 500	16" (40.5 cm)	25 °	154" (391 cm)
Versatile	xx6	846, 936, 946	15" (38 cm)	17 °	130" (330 cm)
Versatile	Series 2	835, 855, 875, 895, 935	15" (38 cm)	17 °	130" (330 cm)

## Combines

Use the following starting settings and the Optimizing Performance document to calibrate the EZ-Steer system for your particular combine model and field conditions.

*Freeplay: 0.5"*

*Motor Spd: Auto High*

*Aggressiveness: 75%*

*Antenna location: Front of Cab*

Make	Series	Models	Steer whl dia.	Angle/turn	Wheelbase	
Case IH	AFX	8010	15" (38 cm)	17 °	139" (353 cm)	
	16xx	1620, 1640, 1660, 1680	16" (40.8 cm)	25°	118" (300 cm)	
		1644, 1666, 1688	14" (35.6 cm)	28°	100" (254 cm)	
	21xx	2144, 2166, 2188	14" (35.6 cm)	21-25 °	139" (353 cm)	
	23xx	2344, 2366, 2377, 2388	14" (35.6 cm)	21-25 °	139" (353 cm)	
Caterpillar	Lexion	4XXR				
		5XX	14" (35.6 cm)	16 °	147" (373 cm)	
Caterpillar/AGCO	Challenger	660, 670	14" (35.6 cm)	15 °	146" (371 cm)	
Gleaner	RX0	50, 60				
	RX2	52, 62, 72	15.3" (39 cm)	15 °	138" (351 cm)	
	RX5	65, 75	14" (35.6 cm)	16 °	138" (351 cm)	
John Deere	9X00	9400, 9500, 9600	13.5" (34.3 cm)	13 °	138" (351 cm)	
	9x60	9560, 9660, 9760, 9860	13.5" (34.3 cm)	15 °	138" (351 cm)	
	9x50	9550, 9650, 9750	13.5" (34.3 cm)	24 °	100" (254 cm)	
	9x50STS	9650STS, 9750STS	13.5" (34.3 cm)	24 °	100" (254 cm)	
	9x60STS	9560STS, 9660STS, 9760STS, 9860STS	13.5" (34.3 cm)	15 °	138" (351 cm)	
New Holland	CX	720, 740, 760, 780, 820, 840, 860, 880	15.3" (39 cm)	17 °	144" (366 cm)	
	CR	940, 960, 970	15.3" (39 cm)	22 °	150" (381 cm)	
	TR	86		15" (38 cm)	22 °	126" (320 cm)
		96		15" (38 cm)	22 °	132" (335 cm)
		87, 97		15.3" (39 cm)	16 °	130" (330cm)

## High Clearance Sprayers

Use the following starting settings and the Optimizing Performance document to calibrate the EZ-Steer system for your particular sprayer model and field conditions.

*Freeplay: 1.5-4.0 "*  
*Motor Spd: Auto High*  
*Aggressiveness: 125%*  
*Antenna location: Front of cab*

Make	Series	Models	Steer whl dia.	Angle/turn	Wheelbase
Ag Chem	RoGator	854, 1054	13.5" (34.3 cm)	15-25 °	166" (422 cm)
		864, 1064	13.5" (34.3 cm)	23-25 °	178" (452 cm)
Apache		560, 760, 780, 790, 860, 880, 890, 1200, 1280	16" (40.5 cm)	18 °	104" (264 cm)
Case IH	SPX Patriot	3150, 3185	16" (40.5 cm)	18 °	120" (305 cm)
		3200, 3310	16" (40.5 cm)	18 °	140" (356 cm)
Cherokee	SP	560, 575	16" (40.5 cm)	22 °	120" (305 cm)
John Deere	47x0	4700, 4710, 4720	15.9" (40 cm)	17 °	100" (254 cm)
	6x00	6500, 6600, 6700	15.9" (40 cm)	9 °	95" (241 cm)
Miller	Nitro N1	2200SS, 2200T, 2200HT, 2275HT	13.5" (34.3 cm)	17 °	174" (443 cm)
	Nitro N2		13.5" (34.3 cm)	13 °	145" (368 cm)
Spra-Coupe		220	15" (38 cm)	38 °	116" (295 cm)
	3xxx	3430, 3440, 3630, 3640	15.9" (40 cm)	20 °	139" (353 cm)
	4xxxx	4440, 4450, 4640, 4650	15.9" (40 cm)	20 °	139" (353 cm)

## Tracked Tractors

Use the following starting settings and the Optimizing Performance document to calibrate the EZ-Steer system for your particular tractor model and field conditions.

*Freeplay: 0.2-1.4"*  
*Motor Spd: Auto Low*  
*Aggressiveness: 120-140%*  
*Antenna location: Front hood*

**Note:** The wheelbase values listed for tracked tractors may be shorter than the actual wheelbase for smooth steering.

Make	Series	Models	Steer whl dia.	Angle/turn	Wheelbase
CAT		35, 45, 55	15" (38 cm)	15 °	59" (150 cm)
	C	65C, 70C, 75C, 85C	15" (38 cm)	15 °	59" (150 cm)
	D	65D, 75D, 85D	15" (38 cm)	15 °	59" (150 cm)
	E	65E, 75E, 85E, 95E	15" (38cm)	15 °	59" (150 cm)
	MT	835, 845, 855, 865	15" (38 cm)	90 °	72" (183 cm)
John Deere	8XXXT	8100T, 8200T, 8300T, 8400T	15.8" (40 cm)	24 °	118" (300 cm)
	9XXXT	9300T, 9320T, 9400T, 9420T, 9520T, 9620T	15.8" (40 cm)	24 °	118" (300 cm)

## Floaters

Use the following starting settings and the Optimizing Performance document to calibrate the EZ-Steer system for your particular floater model and field conditions.

*Freeplay:*

*Motor Spd:*

*Aggressiveness:* 90%

*Antenna location:* Top rear of cab

Make	Series	Models	Steer whl dia.	Angle/turn	Wheelbase
Ag Chem	TerraGator	1603, 1803, 1903	15" (38 cm)	15 °	215" (546 cm)
		6103, 8103	15" (38 cm)	15 °	249" (632 cm)
		9103 , 9203	15" (38 cm)	15 °	249" (632 cm)
		1664T, 1804	15" (38 cm)	15 °	171" (434 cm)
Case	FLX	4010, 4510	15.9" (40 cm)	14 °	181" (460 cm)

## Trucks

Use the following starting settings and the Optimizing Performance document to calibrate the EZ-Steer system for your particular truck model and field conditions.

*Freeplay:* 1.4-1.8 "

*Motor Spd:* Auto High

*Aggressiveness:* 100-115%

*Antenna location:* Front of cab

Make	Series	Models	Steer whl dia.	Angle/turn	Wheelbase
International		7300	17.5" (50 cm)	20-22 °	168" (426 cm)
International	ACCO	1850D	19.7" (50 cm)	18 °	197" (500 cm)

## Swathers

Use the following starting settings and the Optimizing Performance document to calibrate the EZ-Steer system for your particular swather model and field conditions.

*Freeplay:* 4.0 "

*Motor Spd:* Auto High

*Aggressiveness:* 125%

*Antenna location:* Over front axle

Make	Series	Models	Steer whl dia.	Angle/turn	Wheelbase
Case IH	Harvest Pro	8140, 8150, 8152, 8152i	15" (38 cm)	137 °	118" (300 cm)
	1988-2004	8820, 8825, 8825HP, 8830, 8840, 8860, 8860HP	15" (38 cm)	137 °	124" (315 cm)
		8870, 8880	15" (38 cm)	137 °	140" (356 cm)
Hesston	1988-2004	9230, 9240, 9260, 9280	15" (38 cm)	137 °	140" (356 cm)
John Deere	Premier	2920, 2930, 2940, 2950, 2952, 2952i	15" (38 cm)	137 °	118" (300 cm)
	4x95	4895, 4995	13.5" (34.3 cm)	130 °	175" (445 cm)
MacDon	MacDon	9200, 9250, 9300, 9350, 9252, 9352i	15" (38 cm)	137 °	118" (300 cm)
New Holland	Prairie Star	4920, 4930, 4940, 4950, 4952, 4952i	15" (38 cm)	137 °	118" (300 cm)
Westward Dealers	Westward Pro	9200, 9250, 9300, 9350, 9252, 9352i	15" (38 cm)	137 °	118" (300 cm)

More vehicles are being approved regularly. Check [www.agleader.com](http://www.agleader.com) for the latest list of approved vehicles measurements.

**Do not** attempt to manufacture or modify brackets for the EZ-Steer system. If you do not use official

Ag Leader bracket kits or modify an Ag Leader bracket kit:

- Warranty will be void
- Steering columns may be damaged, especially on vehicles with plastic steering columns
- Safety problems could result if the brackets interfere with controls
- Performance could be affected if there is any flex or movement