

2014 ASABE 1/4 SCALE TRACTOR STUDENT DESIGN COMPETITION - PRELIMINARY RANKINGS

* Indicates Tie

RANK	OVERALL	WRITTEN DESIGN	TEAM PRESENTATION	DESIGN JUDGING	TRACTOR PULL	MANEUVERABILITY
1	University of Kentucky	University of Kentucky	Iowa State University	University of Kentucky	University of Kentucky	University of Wisconsin - River Falls
2	Kansas State University	Texas A&M University	University of Kentucky	Kansas State University	Kansas State University	Purdue University
3	The Ohio State University	Kansas State University	McGill University	Modesto Junior College	Texas A&M University	University of Kentucky
4	Iowa State University	University of Nebraska	Kansas State University	University of Saskatchewan	Modesto Junior College	Penn State University
5	Purdue University	University of Manitoba *	University of Laval	Iowa State University	University of Nebraska	Kansas State University
6	Texas A&M University	Oklahoma State University *	Purdue University	University of Missouri	The Ohio State University	McGill University
7	University of Laval	University of Laval	Modesto Junior College	The Ohio State University	University of Wisconsin - River Falls	University of Missouri
8	California Polytechnic State University *	Iowa State University	California Polytechnic State University	University of Nebraska	California Polytechnic State University	Iowa State University
9	McGill University *	The Ohio State University	University of Saskatchewan	University of Laval	Southern Illinois University	The Ohio State University
10	University of Nebraska *	Purdue University	Oklahoma State University	McGill University	Purdue University	Texas A&M University
11	Modesto Junior College	University of Saskatchewan	North Carolina State University	North Dakota State University	Oklahoma State University	University of Tennessee - Martin
12	University of Saskatchewan *	University of Illinois	University of Manitoba	Southern Illinois University	South Dakota State University	California Polytechnic State University
13	Oklahoma State University *	University of Missouri	Texas A&M University	Penn State University	North Carolina State University	University of Wisconsin - Platteville *
14	North Carolina State University	North Carolina State University	The Ohio State University	Purdue University	Iowa State University	University of Wisconsin - Madison *
15	University of Missouri	California Polytechnic State University	Southern Illinois University	Oklahoma State University	Penn State University	University of Saskatchewan *
16	Southern Illinois University *	North Dakota State University	South Dakota State University	North Carolina State University	McGill University	University of Nebraska *
17	University of Wisconsin - River Falls *	McGill University	University of Wisconsin - Platteville	California Polytechnic State University	University of Missouri	University of Manitoba *
18	South Dakota State University	Penn State University	University of Illinois	Texas A&M University	University of Laval	University of Laval *
19	North Dakota State University	South Dakota State University	University of Nebraska	University of Wisconsin - River Falls	North Dakota State University	University of Illinois *
20	Penn State University *	Modesto Junior College	University of Missouri	South Dakota State University	University of Illinois	University of Florida *
21	University of Illinois *	Lamar University	North Dakota State University	University of Manitoba	University of Saskatchewan	Southern Illinois University *
22	University of Wisconsin - Platteville *	University of Tennessee - Martin	University of Tennessee - Martin	University of Wisconsin - Platteville	University of Tennessee - Martin	South Dakota State University *
23	University of Tennessee - Martin	Southern Illinois University	University of Wisconsin - River Falls	University of Illinois	University of Wisconsin - Platteville	Oklahoma State University *
24	University of Manitoba *	University of Wisconsin - River Falls	University of Florida	University of Tennessee - Martin	University of Manitoba	North Dakota State University *
25	University of Florida *	University of Wisconsin - Platteville	Penn State University	University of Florida	University of Wisconsin - Madison *	North Carolina State University *
26	Lamar University	University of Florida	Lamar University	Lamar University	University of Florida *	Modesto Junior College *
27	University of Wisconsin - Madison *	University of Wisconsin - Madison	University of Wisconsin - Madison	University of Wisconsin - Madison	Lamar University *	Lamar University *

2014 ASABE 1/4 SCALE TRACTOR STUDENT DESIGN COMPETITION - SCORES

	TOTAL	Written Design Report	Team Presentation	Design Judging	Tractor Pull	Maneuverability	Initial Weigh-In
	2320	500	500	420	800	100	100 Bonus
California Polytechnic State University	1977	419	438	317	673	30	100
Iowa State University	2118	476	500	384	602	56	100
Kansas State University	2282	490	469	403	759	61	100
Lamar University	977	374	-16	220	0	0	
McGill University	1969	398	473	348	591	60	100
Modesto Junior College	1934	375	443	400	717	0	
North Carolina State University	1880	429	425	320	606	0	100
North Dakota State University	1702	417	370	346	569	0	
Oklahoma State University	1885	484	431	325	645	0	
Penn State University	1664	396	253	330	601	83	
Purdue University	2115	471	465	325	658	96	100
South Dakota State University	1717	383	407	300	626	0	
Southern Illinois University	1767	350	409	336	671	0	
Texas A&M University	2095	494	416	311	724	51	100
The Ohio State University	2121	474	413	369	713	52	100
University of Florida	836	283	289	264	0	0	
University of Illinois	1654	463	391	270	530	0	
University of Kentucky	2395	500	491	420	799	85	100
University of Laval	1994	484	467	363	581	0	100
University of Manitoba	1414	484	416	290	224	0	
University of Missouri	1843	444	375	377	589	59	
University of Nebraska	1953	488	385	364	715	0	
University of Saskatchewan	1898	466	438	392	502	0	100
University of Tennessee - Martin	1420	370	339	268	410	32	
University of Wisconsin - Platteville	1474	298	402	283	392	0	100
University of Wisconsin - River Falls	1732	304	339	310	679	100	

* Indicates Tie

2014 ASABE 1/4 SCALE TRACTOR STUDENT DESIGN COMPETITION WRITTEN DESIGN - RANKINGS

RANK	CRITERIA & OBJECTIVES	FORMAT	DESIGN DETAILS	TESTING & DEVELOPMENT	DESIGN LOG	JUDGES DISCRETION	COST STRATEGY	COST ANALYSIS
1	University of Nebraska *	Purdue University *	Texas A&M University	Kansas State University	The Ohio State University	University of Nebraska	Oklahoma State University	University of Kentucky
2	Purdue University *	McGill University *	University of Nebraska	Oklahoma State University	Purdue University	Purdue University *	Iowa State University	University of Manitoba
3	Oklahoma State University *	University of Nebraska	University of Kentucky	University of Laval	Iowa State University	University of Kentucky	University of Kentucky	Penn State University
4	McGill University *	California Polytechnic State University	The Ohio State University	Texas A&M University	Oklahoma State University	University of Kentucky *	Kansas State University	University of Illinois
5	California Polytechnic State University *	University of Manitoba *	Purdue University	University of Saskatchewan	University of Manitoba *	University of Manitoba *	The Ohio State University	Lamar University
6	University of Tennessee - Martin *	University of Kentucky *	Oklahoma State University	University of Kentucky *	University of Laval	University of Missouri *	University of Laval	University of Missouri
7	University of Saskatchewan *	Oklahoma State University *	Kansas State University	Purdue University *	University of Kentucky	University of Illinois *	Texas A&M University	Kansas State University
8	University of Missouri *	Kansas State University *	University of Saskatchewan *	North Dakota State University *	Texas A&M University	McGill University	University of Illinois	Texas A&M University
9	University of Manitoba *	University of Saskatchewan *	University of Laval *	Iowa State University	Kansas State University	University of Laval	University of Saskatchewan	University of Nebraska
10	University of Kentucky *	University of Missouri *	Iowa State University	University of Nebraska	University of Nebraska	University of Saskatchewan	University of Laval	Penn State University
11	University of Illinois *	University of Laval *	University of Manitoba	University of Manitoba	Lamar University	The Ohio State University	The Ohio State University	Oklahoma State University
12	The Ohio State University *	Texas A&M University	University of Illinois	North Carolina State University	University of Missouri	Texas A&M University	California Polytechnic State University	Purdue University
13	Texas A&M University *	University of Illinois *	North Dakota State University	California Polytechnic State University	University of Illinois	Modesto Junior College	South Dakota State University	University of Saskatchewan
14	North Dakota State University *	North Carolina State University *	McGill University	The Ohio State University	North Carolina State University	North Carolina State University	North Carolina State University	Lamar University
15	Lamar University *	The Ohio State University *	University of Missouri	University of Missouri	Southern Illinois University	North Carolina State University	University of Missouri	Iowa State University
16	Kansas State University *	Penn State University *	Southern Illinois University *	University of Illinois	University of Saskatchewan	University of Tennessee - Martin	Modesto Junior College	California Polytechnic State University
17	University of Wisconsin - Platteville *	North Dakota State University *	North Carolina State University *	Penn State University	California Polytechnic State University	Oklahoma State University	Penn State University *	Modesto Junior College
18	North Carolina State University *	Iowa State University *	California Polytechnic State University	South Dakota State University	McGill University *	Kansas State University	University of Wisconsin - Platteville *	North Carolina State University
19	Iowa State University *	Southern Illinois University	University of Tennessee - Martin	University of Tennessee - Martin	Modesto Junior College *	Lamar University	University of Florida	University of Wisconsin - River Falls
20	University of Laval *	South Dakota State University	South Dakota State University	Southern Illinois University *	University of Wisconsin - Platteville	California Polytechnic State University	Purdue University	University of Wisconsin - Madison
21	South Dakota State University *	University of Tennessee - Martin	Penn State University	Modesto Junior College *	North Dakota State University	University of Wisconsin - Platteville	University of Wisconsin - Madison	South Dakota State University
22	Modesto Junior College	University of Wisconsin - Platteville	Lamar University	McGill University	University of Tennessee - Martin	Penn State University	North Dakota State University	University of Tennessee - Martin
23	University of Wisconsin - River Falls *	Modesto Junior College	Modesto Junior College	Lamar University	South Dakota State University	Southern Illinois University	Lamar University	University of Florida
24	Southern Illinois University *	Lamar University	University of Wisconsin - Platteville	University of Wisconsin - River Falls *	Penn State University	University of Wisconsin - Madison	University of Tennessee - Martin	North Dakota State University
25	Penn State University	University of Wisconsin - River Falls	University of Wisconsin - River Falls	University of Wisconsin - Madison *	University of Florida	University of Wisconsin - River Falls	University of Tennessee - Martin	McGill University
26	University of Florida	University of Wisconsin - Madison	University of Florida	University of Florida *	University of Wisconsin - River Falls	University of Florida	McGill University	University of Wisconsin - Platteville
27	University of Wisconsin - Madison	University of Florida	University of Wisconsin - Madison	University of Wisconsin - Platteville	University of Wisconsin - Madison	University of Wisconsin - River Falls	Southern Illinois University	Southern Illinois University

2014 ASABE 1/4 SCALE TRACTOR STUDENT DESIGN COMPETITION - WRITTEN DESIGN RAW SCORES

	CRITERIA & OBJECTIVES	FORMAT	DESIGN DETAILS	TESTING & DEVELOPMENT	DESIGN LOG	JUDGES DISCRETION	COST STRATEGY	COST ANALYSIS
	5	15	270	70	20	20	50	50
California Polytechnic State University	5.00	14.3	186.7	54.0	14.7	10.3	35.0	29.7
Iowa State University	4.33	12.7	217.7	58.3	19.3	17.7	45.3	31.7
Kansas State University	4.67	14.0	220.0	67.7	17.0	11.7	43.7	42.7
Lamar University	4.67	10.3	176.0	40.0	16.3	11.0	19.3	33.0
McGill University	5.00	15.0	205.0	40.0	13.7	15.0	16.3	19.0
Modesto Junior College	3.75	10.5	166.0	40.0	13.0	13.5	31.5	28.0
North Carolina State University	4.33	13.0	200.0	55.3	16.0	12.0	32.3	27.3
North Dakota State University	4.67	12.7	208.3	59.3	11.7	13.3	19.3	19.0
Oklahoma State University	5.00	14.0	220.3	62.3	18.3	11.7	47.0	36.3
Penn State University	3.00	12.7	171.7	45.0	10.7	10.0	30.0	44.3
Purdue University	5.00	15.0	221.3	60.0	19.3	19.3	26.3	36.0
South Dakota State University	4.00	12.0	181.3	43.3	10.7	5.0	34.3	23.0
Southern Illinois University	3.67	12.3	200.0	40.0	15.3	9.3	0.7	0.0
Texas A&M University	4.67	13.3	233.3	61.7	17.3	14.3	39.0	41.7
The Ohio State University	4.67	12.7	221.7	53.3	19.3	14.3	35.0	44.0
University of Florida	2.00	5.7	125.0	25.0	4.7	2.7	28.0	21.0
University of Illinois	4.67	13.0	213.3	50.0	16.0	15.0	38.0	44.0
University of Kentucky	4.67	14.0	226.7	60.0	18.0	16.7	44.0	47.0
University of Laval	4.00	13.7	218.3	61.7	18.0	14.7	43.3	41.0
University of Manitoba	4.67	14.0	215.7	56.7	18.0	16.3	43.3	46.3
University of Missouri	4.67	13.7	200.7	50.3	16.0	15.0	31.7	42.7
University of Nebraska	5.00	14.7	230.0	57.7	16.3	19.7	35.0	41.0
University of Saskatchewan	4.67	13.7	218.3	60.0	14.7	14.3	36.7	34.7
University of Tennessee - Martin	4.33	11.3	181.7	40.0	11.0	11.7	19.0	22.0
University of Wisconsin - Platteville	4.33	10.7	145.7	15.0	12.0	10.0	28.0	3.3
University of Wisconsin - River Falls	3.67	9.0	145.0	33.3	0.0	0.0	18.0	26.3

** These are the raw points for the individual teams prior to normalization (summing these scores will NOT equate to the score in the overall table).

2014 ASABE 1/4 SCALE TRACTOR STUDENT DESIGN COMPETITION - PRELIMINARY DESIGN JUDGING RANKINGS

* Indicates Tie

RANK	SERVICEABILITY	MANUFACTURABILITY	SAFETY	ERGONOMICS	TEST & DEVELOPMENT	SOUND
1	Iowa State University	University of Kentucky	University of Kentucky *	University of Nebraska *	University of Saskatchewan	Modesto Junior College
2	University of Kentucky	The Ohio State University	The Ohio State University *	The Ohio State University *	University of Kentucky	North Dakota State University
3	University of Missouri	McGill University	University of Nebraska	University of Kentucky	Kansas State University	Kansas State University
4	University of Nebraska	University of Nebraska	University of Laval	University of Laval	Iowa State University	University of Saskatchewan
5	The Ohio State University	Modesto Junior College	Texas A&M University	Kansas State University	University of Nebraska	University of Kentucky
6	McGill University	Iowa State University	Kansas State University	University of Missouri	University of Laval	University of Missouri
7	Modesto Junior College	University of Missouri	McGill University	Iowa State University	The Ohio State University	University of Wisconsin - River Falls
8	Oklahoma State University	Kansas State University	Modesto Junior College	Penn State University	Oklahoma State University	Iowa State University
9	University of Saskatchewan	Texas A&M University	University of Missouri *	Oklahoma State University	Purdue University	Southern Illinois University
10	California Polytechnic State University	University of Laval	Iowa State University *	Southern Illinois University	California Polytechnic State University	University of Laval
11	University of Laval	University of Saskatchewan	Penn State University	University of Saskatchewan	University of Missouri	Penn State University
12	Texas A&M University	Oklahoma State University	University of Saskatchewan	South Dakota State University *	North Carolina State University	McGill University
13	North Carolina State University	Southern Illinois University	California Polytechnic State University	Modesto Junior College *	Southern Illinois University	University of Florida *
14	Purdue University	Purdue University	South Dakota State University	Texas A&M University	Modesto Junior College	Purdue University *
15	University of Wisconsin - Platteville	Penn State University	Southern Illinois University	North Dakota State University	McGill University	North Carolina State University
16	University of Tennessee - Martin	South Dakota State University	Oklahoma State University	McGill University	South Dakota State University	University of Manitoba
17	Penn State University	University of Manitoba *	North Carolina State University	University of Wisconsin - River Falls	Penn State University	University of Tennessee - Martin
18	Southern Illinois University *	California Polytechnic State University *	Purdue University	North Carolina State University *	University of Manitoba	The Ohio State University
19	Kansas State University *	University of Wisconsin - Platteville	University of Wisconsin - River Falls	California Polytechnic State University *	University of Illinois	California Polytechnic State University
20	University of Illinois	North Carolina State University	University of Manitoba *	Purdue University	University of Wisconsin - River Falls	University of Wisconsin - Platteville
21	North Dakota State University	University of Florida	North Dakota State University *	University of Manitoba	University of Wisconsin - Platteville	Oklahoma State University
22	University of Wisconsin - River Falls	North Dakota State University	University of Wisconsin - Platteville	University of Illinois	Texas A&M University	University of Nebraska
23	South Dakota State University *	University of Illinois	University of Illinois	University of Wisconsin - Platteville	North Dakota State University	University of Wisconsin - Madison *
24	Lamar University *	University of Wisconsin - River Falls	University of Florida	University of Tennessee - Martin	University of Tennessee - Martin	University of Illinois *
25	University of Manitoba	University of Tennessee - Martin	University of Tennessee - Martin	University of Florida	Lamar University	Texas A&M University *
26	University of Florida	Lamar University	Lamar University	Lamar University	University of Florida	South Dakota State University *
27	University of Wisconsin - Madison	University of Wisconsin - Madison	University of Wisconsin - Madison	University of Wisconsin - Madison	University of Wisconsin - Madison	Lamar University *

2014 ASABE 1/4 SCALE TRACTOR STUDENT DESIGN COMPETITION - DESIGN JUDGING RAW

	70 pts Max Score for each section					
	SERVICEABILITY	MANUFACTURABILITY	SAFETY	ERGONOMICS	TEST & DEVELOPMENT	SOUND
** These are the raw points for the individual teams prior to normalization (summing these scores will NOT equate to the score in the overall table).						
California Polytechnic State University	53.4	45.0	58.0	51.0	56.2	9
Iowa State University	68.4	56.8	61.8	60.4	64.6	28
Kansas State University	49.4	53.0	62.6	63.2	65.2	65
Lamar University	45.4	23.6	41.8	29.0	36.0	0
McGill University	57.0	59.0	62.4	52.6	52.2	20
Modesto Junior College	55.8	58.0	62.0	57.0	52.6	70
North Carolina State University	52.0	44.0	55.6	51.0	55.0	18
North Dakota State University	48.0	41.8	49.0	53.2	41.4	68
Oklahoma State University	54.8	49.0	55.8	59.2	57.4	4
Penn State University	50.0	46.4	60.3	59.5	46.8	23
Purdue University	51.6	47.6	55.0	49.8	57.0	20
South Dakota State University	45.4	46.2	57.2	57.0	50.2	0
Southern Illinois University	49.4	48.0	56.8	59.0	53.6	25
Texas A&M University	52.2	52.6	63.6	56.0	41.8	0
The Ohio State University	58.8	62.0	68.0	66.6	58.8	11
University of Florida	43.8	42.0	45.0	38.0	31.0	20
University of Illinois	49.0	39.4	47.2	45.4	45.0	0
University of Kentucky	64.8	63.0	68.0	65.5	67.2	47
University of Laval	52.6	52.4	65.0	64.0	59.8	25
University of Manitoba	44.4	45.0	49.0	46.6	46.2	15
University of Missouri	61.6	55.0	61.8	61.2	55.6	38
University of Nebraska	61.0	58.4	66.2	66.6	64.4	3
University of Saskatchewan	54.6	49.2	60.0	58.8	68.2	57
University of Tennessee - Martin	50.4	35.4	44.2	40.8	41.0	12
University of Wisconsin - Platteville	51.2	44.6	48.8	43.6	42.2	8
University of Wisconsin - River Falls	47.0	39.0	52.0	51.8	43.8	32

* Indicates Tie

2014 ASABE 1/4 SCALE TRACTOR STUDENT DESIGN COMPETITION - PRELIMINARY TRACTOR PULL RANKINGS

RANK	Hook 1 - 1000 lbs	Hook 2 - 1000 lbs	Hook 1 - 1500 lbs	Hook 2 - 1500 lbs
1	University of Kentucky	University of Kentucky	University of Kentucky	Modesto Junior College
2	University of Wisconsin - River Falls	Kansas State University	Kansas State University	Penn State University
3	California Polytechnic State University	Oklahoma State University	Purdue University	University of Kentucky
4	Kansas State University	University of Missouri	The Ohio State University	Kansas State University
5	Texas A&M University	University of Nebraska	Texas A&M University	University of Illinois
6	Southern Illinois University	Southern Illinois University	University of Nebraska	The Ohio State University
7	South Dakota State University	Modesto Junior College	Modesto Junior College	Texas A&M University
8	University of Nebraska	Texas A&M University	Oklahoma State University	Iowa State University
9	Oklahoma State University	California Polytechnic State University	University of Laval	Purdue University
10	The Ohio State University	North Carolina State University	Southern Illinois University	University of Nebraska
11	Modesto Junior College	North Dakota State University	South Dakota State University	California Polytechnic State University
12	University of Missouri	University of Wisconsin - River Falls	University of Missouri	University of Wisconsin - River Falls
13	Purdue University	The Ohio State University	North Dakota State University	North Carolina State University
14	University of Laval	Penn State University	McGill University	McGill University
15	North Dakota State University	McGill University	North Carolina State University	South Dakota State University
16	North Carolina State University	University of Illinois	California Polytechnic State University	Southern Illinois University
17	Iowa State University	Iowa State University	University of Wisconsin - River Falls	University of Saskatchewan
18	McGill University	University of Laval	University of Saskatchewan	University of Laval
19	Penn State University	University of Saskatchewan	Iowa State University	Oklahoma State University
20	University of Illinois	South Dakota State University	University of Tennessee - Martin	University of Tennessee - Martin
21	University of Tennessee - Martin	Purdue University	Penn State University	North Dakota State University
22	University of Manitoba	University of Wisconsin - Platteville	University of Wisconsin - Platteville	University of Missouri
23	University of Saskatchewan	University of Manitoba	University of Illinois	University of Wisconsin - Platteville
24	University of Wisconsin - Platteville	University of Tennessee - Martin	University of Manitoba	University of Manitoba
25	University of Wisconsin - Madison *	University of Wisconsin - Madison *	University of Wisconsin - Madison *	University of Wisconsin - Madison *
26	University of Florida *	University of Florida *	University of Florida *	University of Florida *
27	Lamar University *	Lamar University *	Lamar University *	Lamar University *

2014 ASABE 1/4 SCALE TRACTOR STUDENT DESIGN COMPETITION - TRACTOR PULL SCORES

200 pts Max Score for each hook	Hook 1 - 1000 lbs	Hook 2 - 1000 lbs	Hook 1 - 1500 lbs	Hook 2 - 1500 lbs
California Polytechnic State University	180.3	191.5	143.8	157.7
Iowa State University	111.6	182.1	128.2	180.5
Kansas State University	173.9	194.6	193.7	196.7
Lamar University	0.0	0.0	0.0	0.0
McGill University	108.0	184.8	145.9	152.0
Modesto Junior College	154.9	192.3	169.7	200.0
North Carolina State University	116.5	191.4	145.0	153.0
North Dakota State University	117.4	190.5	148.7	111.9
Oklahoma State University	164.7	194.2	169.4	116.9
Penn State University	96.6	185.7	120.0	198.7
Purdue University	134.4	153.9	191.2	178.9
South Dakota State University	169.9	154.4	155.6	146.1
Southern Illinois University	170.3	192.6	168.0	140.3
Texas A&M University	172.2	191.5	179.5	180.7
The Ohio State University	155.5	190.2	185.1	182.2
University of Florida	0.0	0.0	0.0	0.0
University of Illinois	96.5	183.7	60.9	188.6
University of Kentucky	200.0	200.0	200.0	198.6
University of Laval	117.8	170.3	168.3	124.1
University of Manitoba	87.7	89.3	46.6	0.2
University of Missouri	151.5	193.1	154.2	89.9
University of Nebraska	168.4	192.9	178.4	175.5
University of Saskatchewan	87.2	156.2	130.5	128.5
University of Tennessee - Martin	95.5	76.8	122.2	115.3
University of Wisconsin - Platteville	75.4	123.7	103.8	88.6
University of Wisconsin - River Falls	191.4	190.5	143.0	153.9