Iowa B-100 Biodiesel Testing 2019 - 2026

Date	Sample Location	Flash Point Celcius	Water / Sediment %Volume	Sulfur ppm	Cloud Pt Point Celcius	Total Acid Number mg KOH/g	Cold Soak Filterability seconds	Free Glycerin % mass	Total Glycerin % mass	Mono-Gylcerides % mass	Di-Gylcerides % mass	Tri-Gylcerides % mass
1/2/2019	Magellan - Des Moines	173	0	4.5	-1	0.33	93	0.008	0.060	0.192	0.016	0.000
1/7/2019	Iowa Renewable Energy-Washington	101	0	1	-1	0.15	85	0.008	0.121	0.395	0.074	0.000
1/7/2019	W2 Fuels - Crawfordsville	145	0	1.1	-1	0.35	93	0.012	0.127	0.401	0.070	0.000
1/7/2019	Buckeye - Ottumwa	153	0.01	2.1	-2	0.36	89	0.010	0.104	0.338	0.044	0.000
1/7/2019	Western Dubuque - Farley	101	0	0.6	-2	0.36	86	0.006	0.115	0.386	0.063	0.000
1/7/2019	Magellan - Clear Lake	173	0	3.5	-2	0.28	93	0.009	0.079	0.256	0.024	0.000
1/7/2019	Soy Solutions - Milford	113	0	0.4	-2	0.29	89	0.007	0.106	0.352	0.054	0.000
1/7/2019	AGP - Algona	159	0	0.6	-2	0.08	86	0.001	0.099	0.348	0.056	0.000
1/7/2019	Western Iowa Energy - Wall Lake	113	0	0.6	-1	0.21	85	0.006	0.136	0.301	0.256	0.132
1/9/2019	Growmark - Duncombe	121	0	0.8	-2	0.11	89	0.002	0.111	0.380	0.069	0.000
1/10/2019	REG - Newton	176.5	0	4.1	7	0.18	96	0.010	0.060	0.184	0.014	0.000
1/11/2019	AGP - Sgt Bluff	157	0	0.6	-1	0.20	85	0.002	0.086	0.224	0.143	0.043
1/14/2019	REG - Mason City	173	0	2.2	-2	0.22	90	0.006	0.048	0.152	0.014	0.000
1/14/2019	Cargill - Iowa Falls	155	0	0.6	-2	0.21	90	0.003	0.088	0.277	0.086	0.000
2/4/2019	AGP - Algona	95	0	1.1	-3	0.08	89			0.365	0.049	0.000
2/4/2019	Growmark - Duncombe	173.5	0	0.6	-2	0.09	90	0.002	0.108	0.381	0.053	0.000
2/5/2019	Magellan - Des Moines	149	0	1.6	-2	0.22	94	0.006	0.095	0.318	0.049	0.000
2/6/2019	Western Iowa Energy - Wall Lake	123	0	0.8	-1	0.22	90	0.006	0.142	0.301	0.281	0.154
2/6/2019	REG - Mason City	141	0	1.1	-3	0.30	90	0.008	0.117	0.384	0.058	0.000
2/6/2019	AGP - Sgt Bluff	141	0	0.5	-1	0.21	87	0.002	0.084	0.221	0.139	0.039
2/6/2019	Magellan - Clear Lake	149.5	0	1.9	-2	0.29	91	0.009	0.097	0.320	0.039	0.000
2/6/2019	W2 Fuels - Crawfordsville	153.5	0	0.9	-2	0.36	98	0.011	0.135	0.426	0.092	0.000
2/11/2019	Western Dubuque - Farley	98.5	0	0.6	-2	0.34	82	0.006	0.114	0.384	0.055	0.000
2/12/2019	REG - Mason City	147.7	0	3.1	-2	0.23	91	0.005	0.067	0.229	0.014	0.000
2/13/2019	Cargill - Iowa Falls	140.5	0	0.4	-2	0.30	87	0.007	0.088	0.264	0.080	0.000
2/19/2019	Soy Solutions - Milford	131	0.005	0.3	-2	0.15	87	0.004	0.114	0.394	0.057	0.000
3/5/2019	Magellan - Des Moines	155	0	1.2	-2	0.22	88	0.006	0.100	0.339	0.045	0.000

Iowa B-100 Biodiesel Testing 2019 - 2026

Date	Sample Location	Flash Point Celcius	Water / Sediment %Volume	Sulfur ppm	Cloud Pt Point Celcius	Total Acid Number mg KOH/g	Cold Soak Filterability seconds	Free Glycerin % mass	Total Glycerin % mass	Mono-Gylcerides % mass	Di-Gylcerides % mass	Tri-Gylcerides % mass
4/2/2019	AGP - Sgt Bluff	133	0	0.3	-1	0.20	72	0.003	0.075	0.223	0.080	0.021
4/15/2019	REG - Mason City	179	0	2.8	-2	0.28	91	0.005	0.075	0.271	0.000	0.000
4/16/2019	Western Dubuque - Farley	109	0	0.3	-2	0.35	75	0.004	0.104	0.370	0.027	0.000
4/17/2019	Cargill - Iowa Falls	171	0.015	0.3	-1	0.26	363	0.002	0.085	0.292	0.046	0.000
5/7/2019	Buckeye - Ottumwa	121	0	0.6	-2	0.38	78	0.010	0.128	0.436	0.031	0.000
5/16/2019	W2 Fuels - Crawfordsville	169	0.03	0.5	-2	0.30	80	0.001	0.119	0.384	0.107	0.030
5/16/2019	Iowa Renewable Energy-Washington	111.5	0	1.7	1	0.14	87	0.003	0.100	0.350	0.046	0.000
6/11/2019	REG - Ralston	127	0	1.2	-2	0.42	83	0.007	0.119	0.416	0.028	0.000
6/18/2019	AGP - Algona	125	0	0.4	-2	0.07	76	0.001	0.093	0.350	0.014	0.000
6/18/2019	Soy Solutions - Milford	111	0	0.4	-2	0.06	73	0.001	0.103	0.379	0.030	0.000
6/24/2019	W2 Fuels - Crawfordsville	157	0.02	0.4	-1	0.27	97	0.000	0.137	0.420	0.136	0.073
7/1/2019	AGP - Sgt Bluff	145	0	0.4	-1	0.20	80	0.002	0.081	0.236	0.104	0.023
7/8/2019	Cargill - Iowa Falls	135	0	0.3	-2	0.29	84	0.006	0.097	0.333	0.035	0.000
7/8/2019	REG - Mason City	183	0	2.4	-4	0.23	84	0.006	0.046	0.153	0.000	0.000
7/17/2019	Western Dubuque - Farley	108	0	0.3	-2	0.39	76	0.006	0.114	0.383	0.046	0.021
9/4/2019	Cargill - Iowa Falls	153	0	0.5	-1	0.20	87	0.004	0.113	0.371	0.081	0.000
9/5/2019	AGP - Algona	117	0	0.6	-2	0.08	80	0.000	0.105	0.381	0.040	0.000
9/5/2019	Western Iowa Energy - Wall Lake	125	0	0.5	-1	0.18	84	0.006	0.142	0.358	0.223	0.097
9/5/2019	Soy Solutions - Milford	137	0	0.6	-2	0.09	81	0.001	0.115	0.417	0.037	0.000
9/5/2019	REG - Ralston	141	0	0.8	-1	0.36	90	0.009	0.155	0.538	0.042	0.000
9/5/2019	AGP - Sgt Bluff	137	0	0.8	-1	0.21	84	0.003	0.075	0.213	0.094	0.031
9/19/2019	NuStar - Council Bluffs	149	0	0.6	-1	0.20	209	0.003	0.090	0.260	0.118	0.027
9/26/2019	Iowa Renewable Energy-Washington	119	0	2.2	1	0.23	97	0.004	0.110	0.381	0.050	0.000
10/8/2019	Magellan - Des Moines	111	0	3.8	-3	0.23	96	0.004	0.117	0.416	0.032	0.000
10/8/2019	Cargill - Iowa Falls	162.5	0	0.4	-2	0.13	88	0.007	0.122	0.389	0.094	0.000
10/9/2019	REG - Newton	172.5	0	2	6	0.13	97	0.008	0.028	0.076	0.000	0.000
10/10/2019	Western Dubuque - Farley	100.5	0	0.4	-2	0.41	79	0.005	0.115	0.381	0.042	0.050
10/24/2019	REG - Mason City	190.5	0	1.8	-5	0.20	87	0.003	0.037	0.132	0.000	0.000

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Date	Sample Location	Flash Point Celcius	Water / Sediment %Volume	Sulfur ppm	Cloud Pt Point Celcius	Total Acid Number mg KOH/g	Cold Soak Filterability seconds	Free Glycerin % mass	Total Glycerin % mass	Mono-Gylcerides % mass	Di-Gylcerides % mass	Tri-Gylcerides % mass
11/4/2019	Growmark - Duncombe	124.5	0	0.6	-2	0.15	92	0.003	0.109	0.389	0.039	0.000
11/4/2019	Magellan - Clear Lake	132.5	0	1.5	-2	0.27	96	0.004	0.108	0.382	0.035	0.000
11/4/2019	AGP - Algona	127	0	0.5	-2	0.06	82	0.002	0.109	0.392	0.037	0.000
11/4/2019	Soy Solutions - Milford	123	0	0.6	-2	0.07	84	0.001	0.100	0.361	0.031	0.000
11/4/2019	Western Iowa Energy - Wall Lake	108.5	0	0.5	-1	0.21	76	0.008	0.160	0.359	0.295	0.147
11/5/2019	Magellan - Des Moines	135	0	0.7	-2	0.19	82	0.003	0.109	0.391	0.035	0.000
11/6/2019	REG - Ralston	140.5	0	0.8	-2	0.30	86	0.004	0.113	0.405	0.029	0.000
11/7/2019	AGP - Sgt Bluff	147	0	0.5	-1	0.18	81	0.003	0.074	0.223	0.096	0.000
11/21/2019	US Oil - Bettendorf	125	0	3.2	-2	0.23	85	0.006	0.065	0.221	0.016	0.000
11/22/2019	REG - Newton	175	0	2.1	0	0.11	85	0.002	0.014	0.045	0.000	0.000
12/2/2019	Western Dubuque - Farley	109	0	0.3	-2	0.37	78	0.004	0.104	0.366	0.033	0.000
12/2/2019	Magellan - Clear Lake	135	0	1.1	-2	0.29	82	0.004	0.104	0.362	0.038	0.000
12/2/2019	Cargill - Iowa Falls	175	0	0.4	-1	0.19	83	0.003	0.103	0.348	0.067	0.000
12/3/2019	Magellan - Des Moines	127	0	0.7	-2	0.17	83	0.002	0.102	0.365	0.031	0.000
12/3/2019	Iowa Renewable Energy-Washington	108	0	3.8	0	0.21	88	0.004	0.099	0.340	0.046	0.000
12/3/2019	Growmark - Duncombe	130.5	0	0.9	-2	0.23	88	0.003	0.101	0.360	0.031	0.000
12/4/2019	Buckeye - Ottumwa	119	0	1	-2	0.31	80	0.004	0.103	0.364	0.029	0.000
12/23/2019	REG Mason City	168.5	0	1.7	-2	0.19	80	0.006	0.200	0.056	0.000	0.000
1/2/2020	REG - Ralston	143	0	1.5	-2	0.25	86	0.004	0.105	0.368	0.035	0.000
1/2/2020	Western Dubuque - Farley	114.5	0	0.8	-1	0.23	81	0.007	0.121	0.277	0.222	0.094
1/3/2020	AGP - Algona	142.5	0.03	0.4	-2	0.07	101	0.002	0.100	0.355	0.040	0.000
1/6/2020	Magellan - Des Moines	129	0	0.6	-2	0.14	90	0.003	0.101	0.351	0.049	0.000
1/6/2020	Magellan - Clear Lake	145	0	0.7	-2	0.29	83	0.006	0.104	0.362	0.036	0.000
1/6/2020	Buckeye - Ottumwa	141	0	0.7	-2	0.27	86	0.005	0.108	0.376	0.036	0.000
1/6/2020	Growmark - Duncombe	97	0	0.7	-2	0.17	87	0.003	0.108	0.384	0.039	0.000
1/8/2020	AGP - Sergeant Bluff	143	0	0.6	-1	0.20	75	0.003	0.071	0.202	0.100	0.017
1/28/2020	Western Dubuque - Farley	105	0	0.4	-2	0.38	74	0.005	0.108	0.377	0.040	0.000
1/29/2020	REG - Mason City	175	0	2	-3	0.35	82	0.005	0.032	0.103	0.000	0.000
1/29/2020	Cargill - Iowa Falls	161	0	0.4	-2	0.19	86	0.005	0.095	0.309	0.065	0.000

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Date	Sample Location	Flash Point Celcius	Water / Sediment %Volume	Sulfur ppm	Cloud Pt Point Celcius	Total Acid Number mg KOH/g	Cold Soak Filterability seconds	Free Glycerin % mass	Total Glycerin % mass	Mono-Gylcerides % mass	Di-Gylcerides % mass	Tri-Gylcerides % mass
2/3/2020	Growmark - Duncombe	146.5	0	0.9	-2	0.18	86	0.003	0.104	0.368	0.041	0.000
2/3/2020	Magellan - Clear Lake	151	0	1.3	-2	0.24	86	0.004	0.102	0.356	0.036	0.000
2/4/2020	Magellan - Des Moines	133	0	0.7	-2	0.11	83	0.002	0.103	0.365	0.040	0.000
2/4/2020	Buckeye - Ottumwa	148.5	0	1.4	-2	0.31	86	0.005	0.111	0.388	0.035	0.000
2/4/2020	REG - Mason City	200	0	2	0	0.15	85	0.002	0.015	0.049	0.000	0.000
2/4/2020	Iowa Renewable Energy - Washington	120.5	0	2.9	0	0.26	94	0.005	0.101	0.335	0.057	0.000
3/3/2020	Magellan - Des Moines	141	0	0.8	-2	0.19	87	0.004	0.106	0.376	0.030	0.000
3/11/2020	AGP - Sgt Bluff	117	0	0.6	-1	0.23	76	0.003	0.078	0.214	0.105	0.036
3/11/2020	Western Iowa Energy - Wall Lake	107	0	0.4	-1	0.32	80	0.007	0.137	0.302	0.273	0.109
3/12/2020	REG - Ralston	135	0	0.7	-2	0.34	80	0.007	0.113	0.394	0.027	0.000
7/8/2020	AGP - Sgt Bluff	129	0	0.6	0	0.22	77	0.003	0.072	0.218	0.079	0.010
7/20/2020	AGP - Algona	121	0	0.6	-1	0.06	76	0.002	0.105	0.392	0.013	0.000
7/21/2020	Western Dubuque - Farley	99	0	0.6	-2	0.45	75	0.006	0.110	0.395	0.015	0.000
7/23/2020	Cargill - Iowa Falls	161	0	0.5	-1	0.13	104	0.009	0.121	0.414	0.035	0.000
7/23/2020	REG - Mason City	175	0	1.6	0	0.19	82	0.004	0.019	0.056	0.000	0.000
7/30/2020	Iowa Renewable Energy-Washington	123	0	3.4	3	0.12	88	0.005	0.113	0.405	0.026	0.000
7/30/2020	Western Iowa Energy - Wall Lake	109	0	0.4	-1	0.32	74	0.008	0.168	0.309	0.327	0.297
7/30/2020	REG - Ralston	113	0	1.2	-1	0.38	81	0.010	0.129	0.426	0.056	0.003
8/3/2020	REG - Newton	171	0	2.5	6	0.14	92	0.002	0.029	0.104	0.000	0.000
8/3/2020	Hero BX - Clinton	175	0	1.1	2	0.38	86	0.008	0.036	0.108	0.000	0.000
8/12/2020	Growmark - Duncombe	129	0	0.6	-2	0.09	307	0.004	0.102	0.351	0.049	0.002
8/12/2020	Magellan - Clear Lake	160.5	0	1.3	-3	0.25	83	0.006	0.060	0.199	0.018	0.003
8/17/2020	Buckeye - Ottumwa	143	0	3.5	6	0.13	91	0.004	0.072	0.248	0.021	0.003
8/20/2020	Buckeye - Des Moines	157	0	2.5	6	0.24	93	0.003	0.061	0.215	0.014	0.003
8/21/2020	Soy Solutions - Milford	94.5	0.02	0.2	-1	0.31	79	0.007	0.125	0.416	0.065	0.003
9/15/2020	Iowa Renewable Energy-Washington	127	0	9.1	9	0.25	135	0.006	0.100	0.336	0.048	0.003
9/16/2020	Western Dubuque - Farley	107	0	0.6	-2	0.41	73	0.005	0.104	0.352	0.045	0.003
9/23/2020	Buckeye - Ottumwa	140.5	0	1.4	1	0.28	84	0.007	0.084	0.278	0.026	0.014

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9/28/2020	REG - Mason City	177	0	2.2	-3	0.22	80	0.003	0.039	0.134	0.000	0.011
9/28/2020	Cargill - Iowa Falls	155	0	0.4	-1	0.12	80	0.010	0.108	0.335	0.073	0.011
9/29/2020	Growmark - Duncombe	123	0	0.7	-2	0.18	83	0.004	0.108	0.374	0.041	0.006
9/30/2020	Western Iowa Energy - Wall Lake	111	0	0.3	-2	0.32	79	0.008	0.141	0.269	0.276	0.214
10/1/2020	REG - Newton	175	0	3.9	6	0.33	92	0.003	0.050	0.181	0.000	0.008
10/8/2020	AGP - Sgt. Bluff	137	0	0.3	-1	0.22	98	0.003	0.076	0.215	0.109	0.013
10/20/2020	Magellan - Des Moines	127	0	1.7	-1	0.26	104	0.008	0.102	0.344	0.035	0.000
10/29/2020	AGP - Algona	128.5	0	0.2	-2	0.04	97	0.00.	0.108	0.378	0.049	0.000
11/2/2020	Growmark - Duncombe	127	0	0.4	-2	0.09	295	0.005	0.119	0.411	0.052	0.000
11/2/2020	Soy Solutions - Milford	106.5	0	0.2	-2	0.15	99	0.008	0.123	0.407	0.064	0.006
11/2/2020	Magellan - Clear Lake	128.5	0	0.4	-1	0.20	98	0.007	0.119	0.400	0.055	0.004
11/3/2020	Iowa Renewable Energy - Washington	129	0	7.3	8	0.18	113	0.007	0.100	0.329	0.050	0.000
11/3/2020	Buckeye - Ottumwa	123	0	0.7	-1	0.33	93	0.012	0.128	0.418	0.051	0.000
11/3/2020	Magellan - Des Moines	123	0	0.9	-1	0.21	97	0.007	0.110	0.370	0.045	0.000
11/4/2020	Western Iowa Energy - Wall Lake	111	0	0.2	-1	0.29	91	0.009	0.160	0.302	0.285	0.285
11/4/2020	Western Dubuque - Farley	116.5	0	0.4	-1	0.32	87	0.005	0.109	0.373	0.048	0.000
11/4/2020	REG - Ralston	135	0	0.5	-1	0.32	99	0.011	0.131	0.431	0.056	0.004
11/9/2020	REG - Mason City	176.5	0	2.6	-2	0.24	102	0.007	0.077	0.271	0.000	0.000
11/18/2020	Hero BX - Clinton	160	0	4.3	2	0.15	100	0.011	0.054	0.126	0.020	0.068
11/30/2020	Buckeye - Ottumwa	117	0	0.9	-2	0.23	104	0.004	0.103	0.339	0.037	0.047
12/3/2020	US Oil - Bettendorf	157	0	6.9	0	0.11	104	0.008	0.062	0.206	0.000	0.006
12/7/2020	AGP - Sgt. Bluff	136	0	0.6	-1	0.20	98	0.004	0.074	0.177	0.099	0.090
12/7/2020	REG - Ralston	151	0	1.4	0	0.26	99	0.006	0.104	0.354	0.028	0.023
12/8/2020	Magellan - Des Moines	137	0	1.1	-1	0.23	99	0.006	0.094	0.315	0.038	0.006
12/8/2020	Western Dubuque - Farley	103	0	0.2	-1	0.33	91	0.004	0.098	0.308	0.037	0.084
12/9/2020	Soy Solutions - Milford	125	0	0.5	-1	0.23	101	0.007	0.104	0.349	0.037	0.010
12/9/2020	REG - Newton	175	0	2.6	7	0.22	110	0.004	0.039	0.132	0.000	0.000
12/9/2020	Iowa Renewable Energy - Washington	127	0	2.6	2	0.15	105	0.004	0.093	0.314	0.040	0.013
12/10/2020	Magellan - Clear Lake	129	0	0.9	-1	0.20	100	0.004	0.099	0.399	0.029	0.023
12/10/2020	Growmark - Duncombe	127	0	0.5	-1	0.11	129	0.003	0.096	0.322	0.033	0.043

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12/14/2020	Western Iowa Energy - Wall Lake	107	0	0.2	0	0.30	98	0.008	0.113	0.246	0.217	0.090
12/14/2020	REG - Mason City	179.5	0	2	-4	0.21	95	0.006	0.044	0.147	0.000	0.000
12/14/2020	REG - Mason City	179.5	0	2	-4	0.21	95	0.006	0.044	0.147	0.000	0.000
12/14/2020	Gargill - Iowa Falls	173.5	0	0.3	-1	0.11	96	0.005	0.080	0.264	0.040	0.003
12/14/2020	AGP - Algona	129.5	0	0.4	-1	0.06	99	0.003	0.090	0.325	0.020	0.000
12/22/2020	Hero BX - Clinton	175	0	3.1	3	0.16	104	0.010	0.040	0.116	0.000	0.000
1/4/2021	Western Dubuque - Farley	107	0	0.3	-1	0.36	103	0.003	0.095	0.347	0.017	0.000
1/5/2021	REG - Newton	169	0	3.4	10	0.16	120	0.008	0.087	0.305	0.000	0.000
1/5/2021	REG - Mason City	175	0	1.8	-4	0.24	101	0.004	0.050	0.178	0.000	0.000
1/5/2021	Western Iowa Energy - Wall Lake	131	0	0.4	-1	0.30	99	0.007	0.115	0.282	0.187	0.073
1/5/2021	Iowa Renewable Energy - Washington	121	0	8.3	10	0.23	113	0.006	0.098	0.332	0.040	0.000
1/5/2021	Buckeye - Ottumwa	147	0	1.1	0	0.28	101	0.007	0.105	0.373	0.016	0.000
1/5/2021	AGP - Sgt. Bluff	139	0	0.4	0	0.18	103	0.002	0.058	0.185	0.050	0.000
1/5/2021	Growmark - Duncombe	123	0	0.4	-1	0.10	167	0.002	0.096	0.350	0.022	0.000
1/5/2021	Magellan - Clear Lake	139	0	0.8	-1	0.25	99	0.004	0.100	0.363	0.012	0.000
1/5/2021	AGP - Algona	127	0	0.3	-1	0.07	100	0.001	0.096	0.354	0.022	0.000
1/5/2021	REG - Ralston	151	0	1.1	0	0.29	106	0.005	0.102	0.363	0.016	0.000
1/6/2021	Magellan - Des Moines	141	0	1.2	-1	0.27	99	0.006	0.102	0.360	0.016	0.000
1/13/2021	Cargill - Iowa Falls	165	0.025	0.3	-1	0.16	620	0.004	0.089	0.308	0.038	0.000
2/1/2021	Growmark - Duncombe	128.5	0	0.3	-1	0.10	98	0.003	0.111	0.394	0.036	0.000
2/1/2021	REG - Mason City	180.5	0	1.7	-2	0.20	84	0.005	0.051	0.177	0.000	0.000
2/1/2021	REG - Ralston	144.5	0	0.6	-1	0.28	82	0.007	0.110	0.380	0.029	0.000
2/1/2021	AGP - Algona	132.5	0	0.3	-1	0.07	85	0.002	0.104	0.372	0.034	0.000
2/1/2021	Western Iowa Energy - Wall Lake	114.5	0	0.1	-1	0.29	83	0.009	0.124	0.275	0.221	0.101
2/1/2021	Magellan - Clear Lake	132.5	0	0.6	-1	0.21	84	0.006	0.114	0.398	0.031	0.000
2/1/2021	AGP - Sgt. Bluff	129	0	0.3	0	0.21	76	0.004	0.062	0.186	0.066	0.000
2/2/2021	Buckeye - Ottumwa	143	0	0.8	-1	0.30	86	0.006	0.109	0.383	0.028	0.000
2/2/2021	Western Dubuque - Farley	102.5	0	0.3	-1	0.32	78	0.005	0.094	0.326	0.028	0.000
2/2/2021	Buckeye - Ottumwa	143	0	0.8	-1	0.30	86	0.006	0.109	0.383	0.028	0.000
2/3/2021	Soy Solutions - Milford	120.5	0	0.4	-1	0.23	81	0.011	0.119	0.391	0.041	0.000
2/3/2021	REG - Newton	172.5	0	3.5	9	0.16	93	0.005	0.082	0.297	0.000	0.000
2/3/2021	Magellan - Des Moines	140.5	0	1.1	0	0.27	82	0.008	0.108	0.370	0.028	0.000

Iowa B-100 Biodiesel Testing 2019 - 2026

Date	Sample Location	Flash Point Celcius	Water / Sediment %Volume	Sulfur ppm	Cloud Pt Point Celcius	Total Acid Number mg KOH/g	Cold Soak Filterability seconds	Free Glycerin % mass	Total Glycerin % mass	Mono-Gylcerides % mass	Di-Gylcerides % mass	Tri-Gylcerides % mass
3/1/2021	REG - Newton	171.5	0	2.3	8	0.14	89	0.004	0.051	0.181	0.005	0.000
3/1/2021	Buckeye - Ottumwa	145.5	0	0.6	0	0.26	83	0.005	0.099	0.351	0.019	0.000
3/1/2021	AGP - Algona	127	0	0.3	-1	0.09	82	0.002	0.099	0.362	0.028	0.000
3/1/2021	Magellan - Clear Lake	135	0	0.5	-1	0.21	87	0.005	0.104	0.370	0.025	0.000
3/1/2021	REG - Mason City	179	0	2.9	-3	0.24	85	0.005	0.064	0.228	0.000	0.000
3/1/2021	Cargill - Iowa Falls	177	0.05	0.3	-1	0.14	153	0.003	0.091	0.316	0.043	0.000
3/1/2021	Western Iowa Energy - Wall Lake	111	0	0.2	0	0.30	86	0.008	0.104	0.246	0.160	0.073
3/1/2021	Growmark - Duncombe	121	0	0.6	-1	0.09	90	0.002	0.098	0.352	0.029	0.000
3/2/2021	Iowa Renewable Energy - Washington	109.5	0	0.9	-1	0.11	70	0.005	0.101	0.354	0.029	0.000
3/2/2021	Magellan - Des Moines	125	0	0.6	-1	0.26	81	0.006	0.105	0.368	0.025	0.000
3/2/2021	Western Dubuque - Farley	107	0	0.3	-1	0.29	81	0.005	0.097	0.342	0.022	0.000
4/21/2021	AGP - Sgt Bluff	125	0	1	0	0.19	90	0.002	0.062	0.176	0.079	0.017
6/1/2021	US Oil - Bettendorf	103	0	0.4	-2	0.36	95	0.005	0.110	0.385	0.036	0.007
7/27/2021	Hero BX - Clinton	177	0	2.6	3	0.23	97	0.005	0.037	0.107	0.022	0.009
8/19/2021	REG - Newton	171	0	3	6	0.30	105	0.003	0.076	0.280	0.000	0.000
9/30/2021	Iowa Renewable Energy - Washington	133	0	7	6	0.13	107	0.002	0.089	0.304	0.044	0.008
10/4/2021	Magellan - Des Moines	144	0	0.4	-2	0.20	96	0.003	0.112	0.353	0.094	0.032
10/13/2021	Cargill - Iowa Falls	163	0.025	0.1	-2	0.16	180	0.002	0.114	0.374	0.078	0.032
10/14/2021	AGP - Algona	139	0.01	0.7	-2	0.07	97	0.001	0.102	0.366	0.045	0.000
10/26/2021	Westen Dubuque - Farley	151	0	6.1	9	0.38	116	0.012	0.124	0.240	0.203	0.182
10/27/2021	REG - Mason City	173	0	2.5	-3	0.24	96	0.005	0.039	0.132	0.000	0.000
11/1/2021	REG - Ralston	139	0	0.8	-2	0.29	101	0.005	0.107	0.373	0.040	0.000
11/1/2021	NuStar - Copuncil Bluffs	139.5	0	0.7	0	0.21	106	0.002	0.068	0.213	0.072	0.000
11/1/2021	AGP - Sgt Bluff	132.5	0	0.4	-1	0.20	96	0.002	0.068	0.204	0.067	0.029
11/2/2021	Magellan - Clear Lake	128.5	0	0.5	-2	0.13	91	0.005	0.100	0.344	0.042	0.000
11/2/2021	Buckeye - Ottumwa	123	0	0.7	-2	0.33	93	0.005	0.111	0.386	0.041	0.000

Iowa B-100 Biodiesel Testing 2019 - 2026

Date	Sample Location	Flash Point Celcius	Water / Sediment %Volume	Sulfur ppm	Cloud Pt Point Celcius	Total Acid Number mg KOH/g	Cold Soak Filterability seconds	Free Glycerin % mass	Total Glycerin % mass	Mono-Gylcerides % mass	Di-Gylcerides % mass	Tri-Gylcerides % mass
11/2/2021	Magellan - Des Moines	146.5	0	0.7	-2	0.11	96	0.003	0.104	0.343	0.053	0.036
11/2/2021	Soy Solutions - Milford	101	0	0.6	0	0.19	99	0.007	0.116	0.395	0.046	0.000
11/4/2021	REG - Newton	173.5	0	3	7	0.25	107	0.002	0.026	0.091	0.000	0.000
11/3/2021	W2 Fuels - Crawfordsville	167	0.025	0.7	-2	0.29	315	0.002	0.113	0.403	0.045	0.000
11/3/2021	Iowa Renewable Energy - Washington	126.5	0	6.3	7	0.16	114	0.004	0.116	0.392	0.068	0.000
11/3/2021	Hero BX - Clinton	173	0	4.2	1	0.24	96	0.019	0.076	0.222	0.000	0.000
11/3/2021	Western Dubuque - Farley	111	0	2.2	-4	0.39	95	0.005	0.105	0.334	0.042	0.000
11/4/2021	REG - Newton	173.5	0	3	7	0.25	107	0.002	0.026	0.091	0.000	0.000
11/4/2021	Growmark - Duncombe	132.5	0.01	0.5	-2	0.07	116	0.001	0.105	0.377	0.041	0.000
12/6/2021	Magellan - Clear Lake	147	0	0.4	-2	0.10	97	0.002	0.115	0.385	0.069	0.030
12/6/2021	Growmark - Duncombe	123.5	0	0.5	-2	0.09	170	0.001	0.114	0.401	0.061	0.000
12/6/2021	REG - Mason City	175	0	2.4	-3	0.22	100	0.005	0.034	0.113	0.000	0.000
12/6/2021	Western Iowa Energy - Wall Lake	143	0	2.1	4	0.31	95	0.008	0.151	0.211	0.315	0.392
12/7/2021	Magellan - Des Moines	131	0	0.8	-2	0.08	95	0.002	0.101	0.358	0.041	0.000
12/7/2021	Western Dubuque - Farley	111	0	3.8	-4	0.38	109	0.004	0.101	0.330	0.057	0.028
12/7/2021	Iowa Renewable Energy - Washington	123	0	5.7	5	0.16	110	0.002	0.104	0.356	0.062	0.000
12/7/2021	Buckeye - Ottumwa	107	0	1.1	-2	0.23	96	0.003	0.104	0.363	0.050	0.000
12/7/2021	Hero BX - Clinton	171	0	10.4	-1	0.18	93	0.009	0.059	0.158	0.041	0.035
12/8/2021	AGP - Sgt Bluff	141.5	0	0.9	0	0.19	91	0.002	0.072	0.194	0.108	0.035
12/8/2021	REG - Ralston	151	0	1	-2	0.21	92	0.003	0.107	0.370	0.054	0.000
12/8/2021	AGP - Algona	123	0	0.3	-2	0.07	88	0.001	0.114	0.403	0.059	0.000
12/8/2021	Soy Solutions	117	0	0.3	-2	0.20	88	0.007	0.118	0.390	0.070	0.000
12/9/2021	REG - Newton	173.5	0	2.2	7	0.23	106	0.002	0.021	0.074	0.000	0.000
12/9/2021	Cargill - Iowa Falls	169	0	0.3	-1	0.16	102	0.004	0.115	0.361	0.098	0.035
1/3/2022	Growmark - Duncombe	125	0	0.2	-2	0.10	152	0.001	0.102	0.351	0.059	0.029
1/3/2022	Western Iowa Energy - Wall Lake	143	0	6	4	0.38	105	0.012	0.125	0.212	0.217	0.247
1/3/2022	AGP - Algona	127	0	0.5	-1	0.07	93	0.003	0.101	0.347	0.057	0.000
1/3/2022	REG - Mason City	181	0	2.4	-4	0.24	93	0.001	0.028	0.104	0.000	0.000
1/3/2022	Magellan - Clear Lake	114.5	0	0.4	-2	0.40	112	0.002	0.110	0.389	0.049	0.000
1/4/2022	Hero BX - Clinton	169	0	0.9	-2	0.19	94	0.010	0.045	0.105	0.030	0.029
1/4/2022	Western Dubuque - Farley	101	0	3.9	-4	0.10	109	0.002	0.091	0.312	0.062	0.000

Iowa B-100 Biodiesel Testing 2019 - 2026

Date	Sample Location	Flash Point Celcius	Water / Sediment %Volume	Sulfur ppm	Cloud Pt Point Celcius	Total Acid Number mg KOH/g	Cold Soak Filterability seconds	Free Glycerin % mass	Total Glycerin % mass	Mono-Gylcerides % mass	Di-Gylcerides % mass	Tri-Gylcerides % mass
1/4/2022	Magellan - Des Moines	147	0	0.7	-1	0.10	97	0.002	0.108	0.359	0.064	0.034
1/4/2022	Soy Solutions - Milford	94.5	0	0.3	-2	0.20	109	0.004	0.114	0.401	0.047	0.000
1/5/2022	AGP - Sgt Bluff	130.5	0	0.7	0	0.21	104	0.002	0.071	0.218	0.085	0.000
1/5/2022	REG - Ralston	130.5	0	0.6	-2	0.24	110	0.007	0.113	0.387	0.039	0.000
1/5/2022	Iowa Renewable Energy - Washington	123	0	1.7	1	0.15	94	0.003	0.103	0.349	0.060	0.000
1/6/2022	Cargill - Iowa Falls	171	0	0.4	-1	0.20	91	0.004	0.107	0.336	0.085	0.035
1/6/2022	REG - Newton	170.5	0	2.8	7	0.29	104	0.001	0.041	0.155	0.000	0.000
2/1/2022	Magellan - Des Moines	150.5	0	0.6	-1	0.10	110	0.002	0.117	0.409	0.570	0.000
2/2/2022	Buckeye - Ottumwa	143	0	0.5	-2	0.23	115	0.007	0.108	0.364	0.042	0.000
2/2/2022	Iowa Renewable Energy - Washington	123	0	2.5	9	0.15	127	0.004	0.102	0.350	0.052	0.000
2/3/2022	REG - Newton	173	0	2.7	7	0.33	121	0.004	0.037	0.129	0.000	0.000
2/7/2022	Growmark - Dumcombe	129	0	0.4	-1	0.09	119	0.003	0.108	0.374	0.051	0.000
2/7/2022	AGP - Algona	142.5	0	0.2	-2	0.06	113	0.002	0.104	0.364	0.048	0.000
2/7/2022	REG - Mason City	181	0	1.4	-3	0.21	111	0.007	0.040	0.128	0.000	0.000
2/7/2022	Western Iowa Energy - Wall Lake	155	0	5	8	0.34	127	0.013	0.126	0.251	0.218	0.150
2/7/2022	Magellan - Clear Lake	135	0	0.4	-2	0.28	116	0.007	0.109	0.367	0.046	0.000
2/8/2022	REG - Ralston	133	0	0.6	-2	0.23	113	0.008	0.109	0.377	0.022	0.000
2/9/2022	Western Dubuque - Farley	105	0	0.1	-2	0.38	151	0.006	0.098	0.329	0.041	0.000
2/9/2022	Soy Solutions - Milford	107	0	0.3	-2	0.19	137	0.003	0.098	0.351	0.030	0.000
2/9/2022	AGP - Sgt Bluff	133	0	0.6	-1	0.21	130	0.004	0.071	0.225	0.062	0.000
3/1/2022	Magellan - Des Moines	149	0.01	0.7	-1	0.10	114	0.003	0.111	0.397	0.034	0.000
4/11/2022	Growmark - Duncombe	141	0	0.6	3	0.10	109	0.001	0.103	0.365	0.050	0.000
5/10/2022	Buckeye - Ottumwa	143	0	2.3	5	0.30	115	0.003	0.051	0.179	0.012	0.000
5/11/2022	AGP - Sgt Bluff	133	0	0.4	1	0.21	104	0.002	0.063	0.183	0.088	0.005
6/15/2022	US Oil - Bettendorf	109	0	2.5	-4	0.43	117	0.006	0.100	0.332	0.053	0.001
6/30/2022	Buckeye - Ottumwa	155	0	1.9	7	0.36	140	0.003	0.034	0.118	0.003	0.000
9/19/2022	REG - Mason City	176.5	0	2.3	-2	0.23	102	0.004	0.030	0.099	0.000	0.000

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Date	Sample Location	Flash Point Celcius	Water / Sediment %Volume	Sulfur ppm	Cloud Pt Point Celcius	Total Acid Number mg KOH/g	Cold Soak Filterability seconds	Free Glycerin % mass	Total Glycerin % mass	Mono-Gylcerides % mass	Di-Gylcerides % mass	Tri-Gylcerides % mass
9/19/2022	Cargill - Iowa Falls	168.5	0	0.8	-2	0.36	107	0.003	0.105	0.362	0.056	0.001
9/19/2022	Hero BX - Clinton	179	0	2.8	1	0.21	117	0.014	0.096	0.277	0.061	0.010
9/26/2022	Western Iowa Energy - Wall Lake	153.5	0	6.7	9	0.37	135	0.011	0.101	0.201	0.164	0.137
9/27/2022	REG - Newton	175	0	1.6	6	0.02	119	0.003	0.023	0.074	0.000	0.000
9/28/2022	W2 Fuels - Crawfordsville	171	0.015	0.4	-1	0.38	281	0.002	0.179	0.617	0.111	0.000
9/28/2022	Iowa Renewable Energy - Washington	115	0	1.7	1	0.13	122	0.002	0.095	0.326	0.055	0.000
9/28/2022	AGP - Sgt Bluff	141.5	0.01	0.3	-1	0.22	109	0.002	0.064	0.181	0.095	0.004
10/11/2022	Magellan - Des Moines	115.5	0	0.4	-1	0.35	120	0.007	0.214	0.482	0.334	0.308
10/31/2022	REG - Ralston	155	0	0.4	-1	0.09	97	0.004	0.105	0.371	0.033	0.000
10/31/2022	REG - Mason City	179	0	1.8	0	0.19	98	0.004	0.035	0.120	0.000	0.000
10/31/2022	Gargill - Iowa Falls	169	0	0.3	-1	0.12	96	0.003	0.128	0.413	0.121	0.000
10/31/2022	Growmark - Duncombe	125.5	0	0.6	-2	0.13	270	0.002	0.110	0.393	0.046	0.000
11/1/2022	Magellan - Des Moines	148	0	0.7	-2	0.16	105	0.003	0.097	0.338	0.044	0.000
11/1/2022	Western Dubuque - Farley	114.5	0	2.2	-3	0.40	229	0.003	0.099	0.343	0.046	0.000
11/1/2022	Westen Iowa Energy - Wall Lake	149.5	0	6.4	9	0.38	121	0.010	0.081	0.192	0.115	0.034
11/2/2022	Iowa Renewable Energy - Washington	114.5	0	1.8	4	0.13	106	0.003	0.100	0.350	0.044	0.000
11/3/2022	REG - Newton	177	0	1.7	5	0.19	105	0.002	0.019	0.064	0.000	0.000
11/3/2022	Buckeye - Ottumwa	156.5	0	1	1	0.17	103	0.003	0.072	0.255	0.015	0.000
11/3/2022	Magellan - Clear Lake	119	0	0.5	-1	0.13	101	0.001	0.104	0.371	0.045	0.000
11/15/2022	Soy Solutions - Milford	135.5	0	0.5	-1	0.08	89	0.001	0.111	0.398	0.045	0.000
11/15/2022	Hero BX - Clinton	165.5	0	3.1	-1	0.22	102	0.013	0.083	0.266	0.008	0.000
11/15/2022	AGP - Sgt Bluff	125.5	0	0.4	1	0.20	100	0.002	0.065	0.206	0.066	0.000
11/16/2022	AGP - Algona	121.5	0	0.7	-1	0.07	98	0.001	0.108	0.391	0.039	0.000
12/5/2022	Iowa Renewable Energy - Washington	109.5	0	1.3	3	0.13	107	0.002	0.099	0.357	0.030	0.000
12/5/2022	Western Iowa Energy - Wall Lake	137.5	0	6.6	9	0.38	115	0.007	0.084	0.209	0.139	0.027
12/5/2022	Growmark - Duncombe	117	0	0.8	-2	0.14	207	0.001	0.105	0.374	0.047	0.000
12/5/2022	Magellan - Clear Lake	126.5	0	0.4	-2	0.12	101	0.003	0.101	0.352	0.045	0.001
12/5/2022	Cargill - Iowa Falls	166.5	0	0.3	-1	0.20	116	0.005	0.118	0.374	0.047	0.000
12/5/2022	REG - Mason City	180.5	0	3.6	-2	0.23	99	0.003	0.031	0.107	0.000	0.000
12/6/2022	AGP - Sgt Bluff	121	0	0.6	1	0.21	88	0.003	0.060	0.170	0.085	0.002

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Date	Sample Location	Flash Point Celcius	Water / Sediment %Volume	Sulfur ppm	Cloud Pt Point Celcius	Total Acid Number mg KOH/g	Cold Soak Filterability seconds	Free Glycerin % mass	Total Glycerin % mass	Mono-Gylcerides % mass	Di-Gylcerides % mass	Tri-Gylcerides % mass
12/6/2022	Magellan - Des Moines	139	0	0.6	-2	0.13	101	0.002	0.105	0.375	0.037	0.000
12/6/2022	Western Dubuque - Farley	103.5	0	2.1	-3	0.36	114	0.003	0.080	0.274	0.039	0.000
12/6/2022	Buckeye - Ottumwa	105.5	0	0.4	-1	0.11	103	0.002	0.099	0.357	0.027	0.000
12/7/2022	REG - Ralston	157	0	0.5	-1	0.09	105	0.002	0.097	0.347	0.036	0.000
12/7/2022	Soy Solutions - Milford	123	0	0.6	-2	0.09	98	0.001	0.101	0.359	0.046	0.000
12/8/2022	REG - Newton	165.5	0	1.8	7	0.10	110	0.004	0.015	0.041	0.002	0.000
12/12/2022	AGP - Algona	121	0	0.5	-1	0.07	97	0.004	0.111	0.391	0.037	0.000
1/3/2023	REG - Mason City	181	0	2.4	-2	0.23	95	0.004	0.031	0.105	0.000	0.000
1/3/2023	Magellan - Clear Lake	115	0	0.4	-2	0.13	99	0.004	0.104	0.368	0.037	0.000
1/3/2023	Growmark - Duncombe	119	0	0.4	-2	0.12	120	0.003	0.102	0.361	0.036	0.000
1/3/2023	REG - Mason City	181	0	2.4	-2	0.23	95	0.004	0.031	0.105	0.000	0.000
1/3/2023	Magellan - Clear Lake	115	0	0.4	-2	0.13	99	0.004	0.104	0.368	0.037	0.000
1/3/2023	Growmark - Duncombe	119	0	0.4	-2	0.12	120	0.003	0.102	0.361	0.036	0.000
1/4/2023	W2 Fuels - Crawfordsville	173.5	0	0.3	-2	0.37	230	0.004	0.146	0.510	0.062	0.000
1/4/2023	Buckeye - Ottumwa	156.5	0	0.5	0	0.09	104	0.003	0.107	0.383	0.033	0.000
1/4/2023	Iowa Renewable Energy - Washington	107	0	1.1	0	0.12	97	0.002	0.106	0.375	0.042	0.000
1/4/2023	Western Dubuque - Farley	107.5	0	2	-3	0.37	105	0.006	0.106	0.358	0.043	0.000
1/5/2023	Magellan - Des Moines	129	0.01	0.7	-1	0.13	94	0.003	0.105	0.369	0.045	0.000
1/5/2023	REG - Newton	173	0	1.7	9	0.11	103	0.005	0.018	0.053	0.000	0.000
1/10/2023	AGP - Algona	127	0	0.3	-1	0.09	105	0.001	0.101	0.365	0.034	0.000
1/10/2023	Cargill - Iowa Falls	169	0	0.3	-1	0.28	102	0.004	0.126	0.429	0.083	0.000
1/10/2023	REG - Ralston	147	0	1.2	-3	0.37	109	0.003	0.104	0.364	0.033	0.000
1/10/2023	Western Iowa Energy - Wall Lake	141	0	6.4	9	0.39	120	0.007	0.085	0.215	0.128	0.038
2/1/2023	Magellan - Des Moines	137	0.015	0.7	-1	0.09	99	0.004	0.110	0.375	0.060	0.000
2/1/2023	REG - Newton	169	0	0.4	8	0.11	108	0.003	0.019	0.060	0.000	0.000
2/6/2023	Magellan - Clear Lake	143.5	0	0.7	-2	0.14	108	0.005	0.108	0.369	0.049	0.000
2/6/2023	AGP - Algona	131	0	0.5	-1	0.07	101	0.002	0.116	0.413	0.044	0.000
2/6/2023	Western Iowa Energy - Wall Lake	137.5	0	6.8	7	0.38	118	0.011	0.089	0.212	0.125	0.046
2/8/2023	W2 Fuel - Crawfordsville	175	0	2.1	-2	0.40	268	0.003	0.182	0.607	0.123	0.034
2/8/2023	Growmark - Duncombe	111.5	0	0.5	-2	0.10	107	0.004	0.116	0.404	0.046	0.000
2/8/2023	Hero BX - Clinton	159	0	3.5	2	0.40	109	0.013	0.075	0.227	0.024	0.000

Iowa B-100 Biodiesel Testing 2019 - 2026

Date	Sample Location	Flash Point Celcius	Water / Sediment %Volume	Sulfur ppm	Cloud Pt Point Celcius	Total Acid Number mg KOH/g	Cold Soak Filterability seconds	Free Glycerin % mass	Total Glycerin % mass	Mono-Gylcerides % mass	Di-Gylcerides % mass	Tri-Gylcerides % mass
2/8/2023	Iowa Renewable Energy - Washington	109.5	0	0.6	0	0.11	142	0.005	0.111	0.385	0.038	0.000
2/8/2023	Western Dubuque - Farley	103	0	0.5	-1	0.36	98	0.005	0.105	0.367	0.034	0.000
2/8/2023	REG - Mason City	177	0	1.6	-3	0.20	103	0.005	0.033	0.110	0.000	0.000
2/8/2023	AGP - Sgt Bluff	127	0	0.6	1	0.22	86	0.001	0.065	0.200	0.065	0.000
2/8/2023	REG - Ralston	156.5	0	1.9	-3	0.11	104	0.003	0.114	0.397	0.049	0.000
2/8/2023	Soy Solutions - Milford	114.5	0	0.6	-1	0.07	82	0.002	0.109	0.393	0.037	0.000
2/13/2023	Buckeye - Ottumwa	157	0	1.7	-3	0.11	111	0.003	0.106	0.370	0.046	0.000
3/1/2023	Magellan - Des Moines	137	0.015	0.6	-2	0.12	88	0.003	0.102	0.359	0.045	0.000
3/6/2023	Growmark - Duncombe	121	0	0.6	-2	0.12	97	0.002	0.120	0.414	0.068	0.000
3/6/2023	Cargill - Iowa Falls	171	0	0.3	-2	0.29	87	0.005	0.107	0.339	0.087	0.005
3/6/2023	AGP - Sgt Bluff	125	0	0.5	1	0.22	79	0.004	0.071	0.202	0.096	0.006
3/6/2023	W2 Fuel - Crawfordsville	175	0	0.5	-2	0.43	529	0.001	0.184	0.626	0.121	0.017
3/6/2023	REG - Mason City	175	0	1.4	-1	0.15	86	0.005	0.018	0.049	0.000	0.000
3/6/2023	Magellan - Clear Lake	163	0	0.5	-2	0.24	88	0.004	0.105	0.344	0.074	0.001
3/7/2023	Hero BX - Clinton	171	0	2.7	5	0.31	94	0.012	0.067	0.199	0.033	0.002
3/7/2023	Iowa Renewable Energy - Washington	111	0	0.5	-1	0.11	81	0.003	0.113	0.391	0.057	0.003
3/7/2023	Buckeye - Ottumwa	157	0	1.2	-3	0.13	94	0.002	0.103	0.362	0.046	0.000
3/7/2023	Soy Solutions - Milford	127	0	0.5	-2	0.09	82	0.003	0.118	0.410	0.060	0.001
3/8/2023	Western Dubuque - Farley	113	0	1.2	-3	0.37	87	0.005	0.103	0.349	0.054	0.000
3/8/2023	REG - Ralston	165	0	1.2	-3	0.15	91	0.003	0.105	0.364	0.053	0.000
3/9/2023	REG - Newton	177	0	0.9	1	0.08	89	0.002	0.019	0.064	0.000	0.000
5/23/2023	Hero BX - Clinton	171	0	1	2	0.26	96	0.014	0.108	0.310	0.083	0.012
8/14/2023	Cargill - Iowa Falls	163	0	0.2	-2	0.45	88	0.009	0.107	0.336	0.072	0.000
8/28/2023	Western Iowa Energy - Wall Lake	153	0	6.5	9	0.40	101	0.010	0.084	0.194	0.120	0.065
8/29/2023	REG - Newton	177	0	2.1	6	0.16	94	0.004	0.032	0.106	0.000	0.000
8/30/2023	Western Dubuque - Farley	103	0	0.2	-1	0.47	84	0.003	0.103	0.361	0.047	0.000
8/30/2023	Iowa Renewable Energy - Washington	105	0	1	-3	0.19	94	0.002	0.114	0.403	0.054	0.000
10/17/2023	Magellan - Des Moines	131.5	0	0.8	-1	0.20	88	0.004	0.100	0.344	0.048	0.000

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Date	Sample Location	Flash Point Celcius	Water / Sediment %Volume	Sulfur ppm	Cloud Pt Point Celcius	Total Acid Number mg KOH/g	Cold Soak Filterability seconds	Free Glycerin % mass	Total Glycerin % mass	Mono-Gylcerides % mass	Di-Gylcerides % mass	Tri-Gylcerides % mass
11/6/2023	AGP - Sgt Bluff	137	0	0.7	-1	0.22	90	0.002	0.056	0.185	0.037	0.000
11/6/2023	Magellan -Clear Lake	117	0	0.7	-1	0.20	90	0.004	0.103	0.365	0.027	0.000
11/6/2023	REG - Mason City	177	0	1.4	-2	0.19	94	0.003	0.027	0.094	0.000	0.000
11/6/2023	Cargill - Iowa Falls	157	0	0.4	-1	0.25	97	0.010	0.112	0.368	0.042	0.000
11/6/2023	Growmark - Duncombe	111	0	0.8	-2	0.11	102	0.001	0.099	0.369	0.015	0.000
11/6/2023	Western Iowa Energy - Wall Lake	117	0	0.2	0	0.30	97	0.004	0.090	0.241	0.141	0.028
11/7/2023	Soy Solutions - Milford	109	0	0.6	-1	0.08	89	0.001	0.100	0.373	0.015	0.000
11/7/2023	Magellan - Des Moines	129	0	0.5	-1	0.20	88	0.005	0.110	0.381	0.440	0.000
11/7/2023	Buckeye - Ottumwa	151	0	1.6	-3	0.18	96	0.004	0.057	0.201	0.012	0.000
11/7/2023	Iowa Renewable Energy - Washinton	109	0	0.7	-2	0.08	100	0.001	0.095	0.340	0.040	0.000
11/8/2023	REG - Newton	173	0	2.5	1	0.16	93	0.004	0.035	0.120	0.000	0.000
11/8/2023	Western Dubuque - Farley	103	0	3	-2	0.39	130	0.003	0.089	0.313	0.029	0.000
11/9/2023	REG - Ralston	137	0	0.7	-3	0.11	102	0.002	0.084	0.305	0.017	0.000
12/4/2023	Western Iowa Energy - Wall Lake	133	0	1	0	0.31	102	0.005	0.100	0.271	0.148	0.032
12/4/2023	AGP - Algona	131	0.015	0.4	0	0.09	91	0.001	0.103	0.384	0.017	0.000
12/4/2023	Cargill - Iowa Falls	171	0	0.2	-1	0.31	93	0.008	0.127	0.437	0.037	0.000
12/4/2023	AGP - Sgt Bluff	141	0	0.4	1	0.25	101	0.002	0.050	0.168	0.025	0.000
12/4/2023	Growmark - Duncombe	129	0	2.1	-1	0.14	117	0.001	0.112	0.413	0.023	0.000
12/4/2023	Magellan - Clear Lake	153	0	0.8	-1	0.23	96	0.005	0.114	0.402	0.034	0.000
12/4/2023	REG - Mason City	175	0	3.5	0	0.27	97	0.006	0.036	0.115	0.000	0.000
12/5/2023	Magellan - Des Moines	125.5	0	0.7	-1	0.21	95	0.003	0.090	0.316	0.030	0.000
12/5/2023	Western Dubuque - Farley	113	0	3.4	-3	0.43	107	0.004	0.099	0.348	0.032	0.000
12/6/2023	Buckeye - Ottumwa	173	0	2.6	0	0.26	115	0.003	0.045	0.163	0.000	0.000
12/6/2023	Iowa Renewable Energy - Washington	121	0	2.2	-3	0.06	132	0.001	0.098	0.359	0.033	0.000
12/7/2023	REG - Newton	175	0	2.3	1	0.23	99	0.002	0.041	0.147	0.000	0.000
1/2/2024	Magellan - Des Moines	131	0	0.8	-1	0.20	98	0.004	0.101	0.362	0.022	0.000
1/2/2024	Cargill - Iowa Falls	165	0	0.5	-1	0.41	94	0.005	0.122	0.428	0.043	0.000
1/2/2024	REG - Mason City	178	0	2.5	0	0.26	98	0.008	0.031	0.090	0.000	0.000
1/2/2024	Western Iowa Energy - Wall Lake	111	0	0.4	0	0.33	91	0.004	0.090	0.252	0.131	0.013
1/2/2024	AGP - Algona	111	0	0.4	-1	0.12	90	0.001	0.108	0.410	0.007	0.000
1/2/2024	Magellan - Clear Lake	115	0	0.5	-1	0.13	92	0.002	0.103	0.380	0.017	0.000

Iowa B-100 Biodiesel Testing 2019 - 2026

Date	Sample Location	Flash Point Celcius	Water / Sediment %Volume	Sulfur ppm	Cloud Pt Point Celcius	Total Acid Number mg KOH/g	Cold Soak Filterability seconds	Free Glycerin % mass	Total Glycerin % mass	Mono-Gylcerides % mass	Di-Gylcerides % mass	Tri-Gylcerides % mass
1/2/2024	Growmark - Duncombe	125	0	0.5	-1	0.13	99	0.001	0.100	0.375	0.008	0.000
1/3/2024	Western Dubuque - Farley	103	0	1.4	-2	0.04	100	0.004	0.097	0.350	0.020	0.000
1/3/2024	Buckeye - Ottumwa	169	0	2	1	0.25	89	0.002	0.037	0.136	0.000	0.000
1/3/2024	Iowa Renewable Energy - Washington	109	0	0.7	-3	0.01	95	0.000	0.094	0.349	0.022	0.000
1/3/2024	Soy Solutions - Milford	123	0	0.6	-1	0.33	93	0.001	0.109	0.406	0.180	0.000
1/4/2024	REG - Newton	175	0	2.4	5	0.23	95	0.001	0.044	0.165	0.000	0.000
2/5/2024	REG - Mason City	175	0	3.2	0	0.34	90	0.005	0.043	0.149	0.001	0.000
2/5/2024	Growmark - Duncombe	119	0	0.5	0	0.13	93	0.001	0.105	0.375	0.048	0.003
2/5/2024	Magellan - Clear Lake	119	0	0.6	-1	0.15	97	0.002	0.109	0.358	0.059	0.002
2/5/2024	Western Iowa Energy - Wall Lake	107	0	0.3	0	0.33	90	0.004	0.121	0.256	0.209	0.187
2/5/2024	Cargill - Iowa Falls	177	0	0.2	0	0.51	88	0.009	0.133	0.421	0.098	0.004
2/5/2024	AGP - Algona	109	0	0.4	0	0.12	89	0.001	0.101	0.361	0.045	0.001
2/6/2024	Magellan - Des Moines	129.5	0	0.4	-1	0.18	91	0.002	0.103	0.379	0.017	0.000
2/6/2024	Buckeye - Ottumwa	175	0	3	0	0.30	95	0.003	0.039	0.137	0.000	0.000
2/6/2024	Western Dubuque -Farley	105	0	0.8	-2	0.45	82	0.004	0.102	0.350	0.050	0.007
2/6/2024	Iowa Renewable Energy - Washington	109	0	0.7	-2	0.09	91	0.001	0.097	0.343	0.048	0.005
2/6/2024	AGP - Sgt. Bluff	125	0	0.4	0	0.28	87	0.009	0.053	0.183	0.085	0.005
2/7/2024	Soy Solutions - Milford	113	0	0.5	-1	0.11	84	0.001	0.105	0.377	0.046	0.000
2/7/2024	REG - Newton	175	0	1.8	6	0.22	95	0.001	0.019	0.071	0.000	0.000
3/4/2024	Cargill - Iowa Falls	171	0	0.9	-1	0.29	89	0.011	0.129	0.412	0.075	0.000
3/4/2024	Western Iowa Energy - Wall Lake	177	0	0.9	2	0.34	89	0.002	0.004	0.008	0.000	0.000
3/4/2024	REG - Mason City	177	0	3.3	0	0.26	91	0.002	0.025	0.089	0.000	0.000
3/4/2024	Growmark - Duncombe	133	0	0.8	-1	0.14	90	0.001	0.108	0.390	0.037	0.008
3/4/2024	Magellan - Clear Lake	139	0	1.8	-1	0.24	90	0.002	0.087	0.315	0.027	0.000
3/4/2024	AGP - Algona	109	0	0.6	0	0.11	87	0.000	0.099	0.361	0.036	0.000
3/5/2024	Magellan - Des Moines	127	0	0.6	-1	0.25	84	0.003	0.095	0.333	0.044	0.000
3/6/2024	Buckeye - Ottumwa	177	0.01	3.7	0	0.30	93	0.004	0.043	0.151	0.000	0.000
3/6/2024	Western Dubuque - Farley	101	0	0.8	-1	0.39	156	0.003	0.094	0.336	0.032	0.000
3/6/2024	Iowa Renewable Energy - Washington	111	0	1.2	-2	0.13	90	0.001	0.095	0.335	0.043	0.005
3/7/2024	REG - Newton	175	0	2.6	7	0.15	97	0.004	0.025	0.080	0.000	0.000

Iowa B-100 Biodiesel Testing 2019 - 2026

Date	Sample Location	Flash Point Celcius	Water / Sediment %Volume	Sulfur ppm	Cloud Pt Point Celcius	Total Acid Number mg KOH/g	Cold Soak Filterability seconds	Free Glycerin % mass	Total Glycerin % mass	Mono-Gylcerides % mass	Di-Gylcerides % mass	Tri-Gylcerides % mass
4/29/2024	US Oil - Bettendorf	133	0	0.8	-2	0.41	91	0.003	0.111	0.383	0.048	0.000
6/12/2024	AGP - Sgt. Bluff	119	0	0.3	0	0.26	87	0.002	0.052	0.176	0.026	0.006
7/23/2024	Cargill - Iowa Falls	165	0	0.2	-1	0.41	85	0.007	0.111	0.352	0.083	0.000
10/16/2024	Western Dubuque - Farley	103	0	0.2	-2	0.40	84	0.001	0.097	0.363	0.009	0.000
10/16/2024	Iowa Renewable Energy - Washington	101	0	0.8	-1	0.13	86	0.002	0.096	0.357	0.012	0.000
10/16/2024	REG - Newton	175	0	1.9	6	0.19	92	0.001	0.017	0.061	0.000	0.000
10/21/2024	Westen Iowa Energy - Wall Lake	103	0	0.7	0	0.42	89	0.005	0.092	0.216	0.144	0.094
10/22/2024	REG - Mason City	179	0	0.7	-2	0.16	88	0.002	0.038	0.138	0.000	0.000
10/23/2024	AGP - Algona	107	0	0.4	-1	0.10	80	0.000	0.096	0.349	0.036	0.000
11/5/2024	Magellan - Des Moines	133	0	0.4	-2	0.26	85	0.002	0.084	0.291	0.042	0.000
11/5/2024	Cargill - Ottumwa	171	0	0.1	-2	0.33	88	0.002	0.105	0.349	0.085	0.000
11/5/2024	Iowa Renewable Energy - Washington	99	0	0.7	0	0.12	90	0.001	0.104	0.369	0.045	0.001
11/6/2024	Growmark - Duncombe	111	0	0.6	-1	0.12	89	0.000	0.096	0.343	0.040	0.004
11/6/2024	Soy Solutions - Milford	103	0	0.2	-1	0.09	80	0.000	0.098	0.355	0.038	0.000
11/6/2024	AGP - Sgt Bluff	129	0	0.5	1	0.23	85	0.001	0.055	0.170	0.065	0.000
11/7/2024	REG - Newton	193	0	0.9	2	0.21	86	0.010	0.031	0.113	0.001	0.000
12/3/2024	Magellan - Des Moines	131.5	0	0.5	-2	0.32	82	0.003	0.091	0.318	0.042	0.000
12/3/2024	AGP - Algona	128.5	0	0.5	-1	0.08	80	0.001	0.090	0.330	0.026	0.000
12/3/2024	Iowa Renewable Energy - Washington	111	0	0.6	0	0.11	84	0.001	0.094	0.345	0.022	0.000
12/3/2024	REG - Mason City	178.5	0	1	-1	0.31	81	0.002	0.031	0.113	0.000	0.000
12/3/2024	Western Iowa Energy - Wall Lake	119	0	1.6	0	0.42	85	0.004	0.079	0.206	0.111	0.046
12/3/2024	Cargill - Iowa Falls	173	0	0.2	-2	0.39	86	0.002	0.080	0.285	0.032	0.000
12/3/2024	Magellan - Clear Lake	132.5	0	0.8	-1	0.35	85	0.003	0.085	0.268	0.088	0.027
12/3/2024	Buckeye - Ottumwa	177	0	1.2	-1	0.31	91	0.003	0.033	0.116	0.000	0.000
12/4/2024	Western Dubuque - Farley	102.5	0	0.5	-2	0.43	77	0.002	0.091	0.327	0.029	0.000
12/4/2024	REG - Newton	177	0	1.1	2	0.24	89	0.002	0.021	0.076	0.000	0.000
12/4/2024	AGP - Sgt Bluff	119	0	0.3	1	0.23	78	0.000	0.037	0.127	0.023	0.000

Iowa B-100 Biodiesel Testing 2019 - 2026

Date	Sample Location	Flash Point Celcius	Water / Sediment %Volume	Sulfur ppm	Cloud Pt Point Celcius	Total Acid Number mg KOH/g	Cold Soak Filterability seconds	Free Glycerin % mass	Total Glycerin % mass	Mono-Gylcerides % mass	Di-Gylcerides % mass	Tri-Gylcerides % mass
12/4/2024	Soy Solutions - Milford	119	0	0.6	-1	0.07	85	0.000	0.091	0.343	0.007	0.000
1/6/2025	Western Dubuque - Farley	105	0	1	-2	0.46	79	0.002	0.085	0.295	0.039	0.000
1/6/2025	Magellan - Waterloo	124.5	0	1.5	0	0.48	88	0.008	0.104	0.228	0.149	0.146
1/6/2025	Buckeye - Ottumwa	172.5	0	1	2	0.21	88	0.002	0.020	0.069	0.000	0.000
1/6/2025	Iowa Renewable Energy-Washington	101	0	0.5	1	0.10	89	0.000	0.076	0.273	0.033	0.000
1/7/2025	REG - Newton	171	0	1.1	3	0.21	87	0.000	0.016	0.058	0.005	0.000
1/7/2025	AGP - Algona	105	0	0.4	-1	0.11	80	0.000	0.090	0.326	0.034	0.002
1/7/2025	Magellan - Des Moines	137	0	0.5	-2	0.27	80	0.001	0.076	0.280	0.010	0.000
1/7/2025	REG - Mason City	172.5	0	1.2	2	0.23	92	0.000	0.011	0.043	0.000	0.000
1/7/2025	Magellan - Clear Lake	155	0	0.6	-1	0.31	88	0.003	0.063	0.208	0.044	0.001
1/8/2025	AGP - Sgt Bluff	117	0	0.3	1	0.25	84	0.002	0.043	0.132	0.048	0.001
1/8/2025	Cargill - Iowa Falls	183	0	0.4	-2	0.34	85	0.001	0.089	0.303	0.061	0.008
1/8/2025	Soy Solutions - Milford	113	0	0.3	-1	0.13	79	0.000	0.087	0.318	0.034	0.000
2/3/2025	Cargill - Iowa Falls	167.5	0	0.5	-2	0.32	87	0.004	0.098	0.330	0.051	0.001
2/3/2025	Buckeye - Ottumwa	171.5	0	1.5	4	0.22	86	0.003	0.022	0.073	0.000	0.000
2/3/2025	Magellan - Clear Lake	155.5	0	0.3	0	0.31	81	0.003	0.096	0.329	0.051	0.001
2/3/2025	REG - Mason City	173	0	2	3	0.25	88	0.002	0.025	0.090	0.000	0.000
2/3/2025	Soy Solutions - Milford	127	0	0.3	1	0.07	83	0.000	0.102	0.376	0.029	0.000
2/3/2025	Iowa Renewable Energy - Washington	109	0	1	1	0.10	90	0.002	0.095	0.341	0.031	0.000
2/3/2025	Western Iowa Energy - Wall Lake	121.5	0	1.4	0	0.47	88	0.008	0.115	0.273	0.174	0.101
2/3/2025	AGP - Algona	117.5	0	0.2	-1	0.12	84	0.000	0.104	0.382	0.033	0.000
2/4/2025	Magellan - Des Moines	133	0	0.6	-1	0.32	84	0.001	0.082	0.285	0.041	0.000
2/4/2025	AGP - Sgt Bluff	125.5	0	0.2	2	0.36	82	0.001	0.054	0.172	0.054	0.002
2/10/2025	REG - Newton	167	0	1.9	5	0.19	90	0.002	0.021	0.074	0.000	0.000
3/3/2025	AGP - Algona	121	0	0.2	-1	0.08	72	0.001	0.108	0.388	0.044	0.000
3/3/2025	Cargill - Iowa Falls	171	0	0.2	-2	0.33	76	0.006	0.110	0.355	0.083	0.000
3/3/2025	AGP - Sgt. Bluff	127	0	0.2	0	0.23	79	0.003	0.064	0.188	0.081	0.000
3/3/2025	Western Iowa Energy - Wall Lake	123	0	1.2	0	0.52	83	0.014	0.135	0.279	0.198	0.183
3/3/2025	Magellan - Clear Lake	159	0	0.5	-2	0.28	82	0.005	0.104	0.351	0.059	0.000

Iowa B-100 Biodiesel Testing 2019 - 2026

Date	Sample Location	Flash Point Celcius	Water / Sediment %Volume	Sulfur ppm	Cloud Pt Point Celcius	Total Acid Number mg KOH/g	Cold Soak Filterability seconds	Free Glycerin % mass	Total Glycerin % mass	Mono-Gylcerides % mass	Di-Gylcerides % mass	Tri-Gylcerides % mass
3/4/2025	REG - Newton	173.5	0	3.3	9	0.19	92	0.001	0.040	-0.150	0.000	0.000
3/4/2025	Iowa Renewable energy - Washington	119	0	0.9	0	0.08	81	0.001	0.088	0.323	0.025	0.000
3/4/2025	Magellan - Des Moines	129	0	0.4	-2	0.24	80	0.002	0.089	0.314	0.037	0.000
3/4/2025	Buckeye - Ottumwa	175	0	1.4	1	0.19	85	0.003	0.030	0.104	0.000	0.000
3/4/2025	Soy Solutions - Milford	119	0	0.2	-1	0.07	70	0.001	0.104	0.372	0.042	0.000
5/27/2025	AGP - Sgt Bluff	117	0	0.2	0	0.20	78	0.004	0.060	0.185	0.053	0.000
8/12/2025	Cargill - Iowa Falls	155	0	0.2	-1	0.31	87	0.011	0.122	0.365	0.113	0.000
9/23/2025	Western Iowa Energy - Wall Lake	115	0	0	-2	0.38	95	0.005	0.071	0.196	0.086	0.026
10/3/2025	AGP - Algona	122	0	0.7	-1	0.08	86	0.001	0.114	0.422	0.027	0.000
11/3/2025	Western Iowa Energy - Wall Lake	95	0	0.6	-1	0.36	88	0.004	0.068	0.195	0.065	0.032
11/3/2025	Magellan - Clear Lake	148	0	0.9	-2	0.16	90	0.002	0.086	0.313	0.023	0.000
11/3/2025	REG - Mason City	177	0	1.3	-1	0.17	87	0.002	0.029	0.100	0.000	0.000
11/3/2025	REG - Newton	178	0	1.5	5	0.14	89	0.002	0.035	0.120	0.000	0.018
11/4/2025	Magellan - Des Moines	139	0	0.5	-2	0.22	88	0.003	0.100	0.265	0.080	0.157
11/5/2025	AGP - Algona	125	0	0.3	0	0.20	84	0.002	0.054	0.181	0.033	0.000
11/5/2025	Western Dubuque - Farley	118	0	0.5	-2	0.34	80	0.003	0.113	0.411	0.026	0.000
12/1/2025	Cargill - Iowa Falls	180.1	0	0.2	-1	0.19	212	0.002	0.128	0.450	0.065	0.000
12/1/2025	AGP - Algona	138	0	0.9	-1	0.12	86	0.001	0.106	0.386	0.038	0.000
12/1/2025	Western Iowa Energy - Wall Lake	99	0	0.4	-2	0.32	87	0.004	0.084	0.215	0.108	0.082
12/1/2025	REG - Mason City	178	0	0.8	0	0.13	79	0.002	0.026	0.092	0.000	0.000
12/2/2025	Magellan - Des Moines	154	0	0.7	-2	0.12	89	0.001	0.091	0.308	0.037	0.044
12/3/2025	Soy Solutions - Milford	124	0	0.4	-1	0.09	85	0.001	0.111	0.405	0.035	0.000
12/3/2025	Iowa Renewable Energy - Washington	99	0	0.4	-1	0.18	85	0.003	0.104	0.368	0.039	0.000
12/4/2025	Western Dubuque - Farley	110	0	0.5	-2	0.42	79	0.002	0.108	0.386	0.038	0.000
12/5/2025	US Oil - Bettendorf	109.5	0	0.3	0	0.33	78	0.003	0.109	0.388	0.038	0.000
1/5/2026	Western Dubuque - Farley	113	0	0.3	-2	0.34	64	0.003	0.112	0.386	0.044	0.025

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Date	Sample Location	Flash Point Celcius	Water / Sediment %Volume	Sulfur ppm	Cloud Pt Point Celcius	Total Acid Number mg KOH/g	Cold Soak Filterability seconds	Free Glycerin % mass	Total Glycerin % mass	Mono-Gylcerides % mass	Di-Gylcerides % mass	Tri-Gylcerides % mass
1/6/2026	AGP - Algona	142	0	0.3	-1	0.13	89	0.001	0.124	0.431	0.050	0.038
1/6/2026	Magellan - Des Moines	136.5	0	0.5	-2	0.27	88	0.004	0.098	0.329	0.048	0.018
1/6/2026	REG - Newton	170	0	1.1	3	0.18	92	0.002	0.027	0.100	0.000	0.000
1/6/2026	Magelan - Clear Lake	153.5	0	0.5	0	0.17	82	0.003	0.097	0.332	0.038	0.022
1/6/2026	REG - Mason City	180	0	0.9	0	0.18	69	0.003	0.026	0.092	0.000	0.000
1/6/2026	Buckeye - Ottumwa	137	0.02	0.4	-1	0.11	68	0.001	0.125	0.419	0.044	0.084
1/6/2026	Iowa Renewable Energy - Washington	99	0	0.3	-1	0.09	70	0.004	0.112	0.386	0.044	0.119
1/6/2026	Cargill - Iowa Falls	186	0	0.2	-1	0.27	65	0.008	0.124	0.390	0.084	0.023
1/7/2026	Western Iowa Energy - Wall Lake	93.5	0	0.2	-2	0.38	70	0.005	0.087	0.215	0.139	0.060
1/7/2026	AGP - Sgt Bluff	142	0	0	-1	0.17	69	0.003	0.054	0.161	0.065	0.000
2/2/2026	AGP - Algona	129	0	0.1	-2	0.10	69	0.001	0.103	0.365	0.045	0.015
2/2/2026	Magellan - Clear Lake	152	0	0.4	-2	0.16	70	0.003	0.089	0.309	0.040	0.000
2/2/2026	REG - Mason City	178	0	0.5	1	0.16	70	0.001	0.013	0.046	0.000	0.000
2/2/2026	Cargill - Iowa Falls	163	0	0.2	-1	0.36	70	0.009	0.112	0.405	0.043	0.000
2/2/2026	Iowa Renewable Energy - Washington	92.5	0	0.2	-1	0.06	70	0.006	0.107	0.362	0.047	0.000
2/3/2026	Western Dubuque - Farley	115	0	0.2	-1	0.35	67	0.003	0.099	0.345	0.039	0.000
2/3/2026	Magellan - Des Moines	143.5	0	0.3	-1	0.24	68	0.004	0.097	0.324	0.059	0.000
2/4/2026	Buckeye - Ottumwa	144.5	0.015	0.3	-1	0.08	70	0.001	0.106	0.382	0.045	0.000
2/4/2026	AGP - Sgt. Bluff	137.5	0	0.6	0	0.24	65	0.004	0.059	0.174	0.066	0.000
2/5/2026	REG - Newton	172	0	2.2	11	0.10	83	0.002	0.020	0.069	0.000	0.000
2/9/2026	Sapp Bros. - Carter Lake	129.5	0	0.2	-1	0.23	64	0.004	0.059	0.175	0.065	0.000
2/9/2026	Sapp Bros. - Council Bluffs	110.5	0.01	0.1	-2	0.25	100	0.004	0.065	0.185	0.073	0.018
3/2/2026	AGP - Algona	115	0	0.2	1	0.08	70	0.001	0.107	0.389	0.037	0.000
3/2/2026	Magellan - Clear Lake	143	0	0.5	-2	0.15	73	0.002	0.082	0.277	0.032	0.028
3/2/2026	Cargill - Iowa Falls	166	0	0.2	-2	0.21	74	0.008	0.105	0.341	0.061	0.000
3/2/2026	REG - Mason City	180	0	0.4	1	0.17	73	0.001	0.013	0.047	0.000	0.000
3/3/2026	Western Dubuque - Farley	107	0	0.1	-1	0.35	69	0.003	0.098	0.344	0.037	0.000
3/3/2026	Magellan - Des Moines	154	0	0.2	-2	0.14	72	0.003	0.087	0.308	0.033	0.000
3/4/2026	Iowa Renewable Energy - Washington	96.5	0	0.4	2	0.06	71	0.006	0.101	0.346	0.039	0.000
3/5/2026	REG - Newton	180	0	0.4	4	0.11	71	0.001	0.015	0.053	0.000	0.000

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5/19/2026	AGP - Sgt. Bluff	129	0.015	0	-1	0.23	102	0.021	0.078	0.183	0.064	0.003
9/8/2026	Cargill - Iowa Falls	175	0	0.4	0	0.37	92	0.006	0.119	0.382	0.092	0.000
9/28/2026	REG - Mason City	177	0	1.3	-1	0.09	88	0.003	0.094	0.348	0.000	0.000
9/29/2026	Western Iowa Energy - Wall Lake	117	0	0.4	-1	0.33	93	0.007	0.110	0.234	0.207	0.111
9/30/2026	REG - Newton	180	0	0.4	0	0.26	86	0.002	0.046	0.168	0.000	0.000
10/1/2026	Western Dubuque - Farley	111	0	0.3	-1	0.35	90	0.005	0.106	0.367	0.041	0.000
10/13/2026	Magellan - Des Moines	162	0	0.7	0	0.25	87	0.004	0.085	0.292	0.037	0.000