

Ag-Lime Analysis Results

The analysis results are provided as an educational/information component of the MDA's ag-lime program. The analysis results were submitted by ag-lime Producers either per samples analyzed by the University of Minnesota Soil Testing Laboratory or by Producers certified by the MDA to analyze their own ag-lime products. Use the Minimum Pounds of Effective Neutralizing Power per Ton (Min. Lbs. ENP/Ton) quality rating to determine ag-lime recommendations/application rates. Questions? Contact the MDA at 651-201-6275.

Production/Storage Site Name or Address	Site Location	Product Description	Ag-Lime Type	Date of Analysis	% Passing #8 Sieve	% Passing #20 Sieve	% Passing #60 Sieve	Fineness Index (FI)	% CCE	% ENP	% Moisture	Min. Lbs. ENP/Ton
ADM Corn Processing, Marshall, MN, 507-537-2676												
400 West Erie Road, Marshall, MN	MN-Lyon	Water Treatment Lime	Industrial By Product	01/17/2018	100	100	100	100	96	96	40	1163
Aggregate Industries, Eagan, MN, 651-683-0600												
St Paul Yard @ 1177 Childs Rd, St Paul, MN	MN-Ramsey	Aglime 1150 ENP	Quarry	03/24/2017	95	69	46	65	95	61	6	1150
Larson Quarry @ 10120 Grey Cloud Island Dr, St Paul Park, MN	MN-Washington	Bedding Lime	Quarry	03/24/2017	94	94	94	94	80	76	5	1427
Larson Quarry @ 10120 Grey Cloud Island Dr, St Paul Park, MN	MN-Washington	Aglime 1180 ENP	Quarry	03/24/2017	98	73	46	67	95	64	7	1180
American Crystal Sugar Company, Crookston, MN, 218-236-4304												
1201 Hwy 75 South, Crookston, MN 56716	MN-Polk	Beet BP Lime - Pressed	Industrial By-Product	12/07/2017	100	100	100	100	73	73	30	1025
1201 Hwy 75 South, Crookston, MN 56716	MN-Polk	Beet BP Lime - Stockpile	Industrial By-Product	12/07/2017	100	100	100	100	74	74	29	1045
American Crystal Sugar Company, Drayton, ND, 218-236-4304												
8152 Old Hwy 44, Drayton, ND 58225	ND-Pembina	Beet BP Lime - Stockpile	Industrial By-Product	11/17/2017	100	100	99	100	78	78	26	1144
8152 Old Hwy 44, Drayton, ND 58225	ND-Pembina	Beet BP Lime - Pressed	Industrial By-Product	11/17/2017	100	100	100	100	73	73	30	1022
American Crystal Sugar Company, East Grand Forks, MN, 218-236-4304												
1020 Business Hwy 2, East Grand Forks, MN 56721	MN-Polk	Beet BP Lime - Stockpile	Industrial By-Product	12/07/2017	100	100	99	100	71	71	33	950
1020 Business Hwy 2, East Grand Forks, MN 56721	MN-Polk	Beet BP Lime - Pressed	Industrial By-Product	12/07/2017	100	100	100	100	70	70	31	966
American Crystal Sugar Company, Hillsboro, ND, 218-236-4304												
121 Highway 81 NE, Hillsboro, ND 58045	ND-Traill	Beet BP Lime - Stockpile	Industrial By-Product	12/07/2017	100	100	100	100	72	72	34	951
121 Highway 81 NE, Hillsboro, ND 58045	ND-Traill	Beet BP Lime - Pressed	Industrial By-Product	12/07/2017	100	100	100	100	74	74	37	933
American Crystal Sugar Company, Moorhead, MN, 218-236-4304												
2500 North 11th Street, Moorhead, MN 56560	MN-Clay	Beet BP Lime - Pressed	Industrial By-Product	12/06/2017	100	100	100	100	73	73	29	1041
2500 North 11th Street, Moorhead, MN 56560	MN-Clay	Beet BP Lime - Stockpile	Industrial By-Product	12/06/2017	98	98	97	98	75	74	23	1140
Anderson Rock & Lime, Inc., Cannon Falls, MN, 507-263-3526												
Fisher Quarry - New Pile	MN-Dakota	Screened Lime	Quarry	02/01/2017	99	88	61	80	80	63	4	1209
Spring Garden Quarry - North Pile	MN-Goodhue	Screened Lime	Quarry	02/01/2017	100	86	50	75	83	62	3	1192
Spring Garden Quarry - New Production	MN-Goodhue	Screened Lime	Quarry	02/01/2017	97	70	48	67	82	55	3	1063
Fisher Quarry - Old Pile	MN-Dakota	Screened Lime	Quarry	02/01/2017	92	74	53	69	75	52	5	993

Avon Lime Inc., St. Joseph, MN, 320-363-7915													
Mpls Water Plant-4300 Marshall St. NE Mpls MN	MN-Hennepin	Water Treatment	Municipal By-Product	11/10/2017	100	100	100	100	90	90	55	800	
Southern MN Sugar Corp-Renville, MN	MN-Renville	Beet BP lime	Industrial By-Product	11/10/2017	100	98	96	98	86	84	48	872	
Boise White Paper, LLC, International Falls, MN, 218-285-5011													
400 Second Street, International Falls, MN	MN-Koochiching	Wood Ash	Industrial By-Product	8/9/2017	99	97	93	96	72	69	29	983	
Bonanza Grain, Inc., Caledonia, MN, 507-725-2044													
Caledonia Quarry	MN-Houston	Screened Lime	Quarry	09/11/17	89	70	57	69	96	66	3	1274	
Black Hammer Quarry	MN-Houston	Screened Lime	Quarry	09/11/17	87	62	45	60	96	57	4	1102	
Eitzen Quarry	MN-Houston	Screened Lime	Quarry	09/11/17	89	64	49	63	95	60	3	1165	
Braaten Sand and Gravel, Byron, MN, 507-775-6657													
Tvedt Quarry @ 11245 County Road 25 SW Byron, MN	MN-Olmsted	Screened Lime	Quarry	08/09/2017	99	86	69	82	79	65	6	1218	
Bruening Rock Products, Decorah, IA, 563-382-2933													
Keller Quarry	MN-Goodhue	Screened Lime	Quarry	08/24/2017	90	72	46	65	81	52	6	980	
Moen Quarry	MN-Fillmore	Screened Lime	Quarry	08/24/2017	95	70	44	65	91	59	3	1142	
Swenson Quarry	MN-Fillmore	Screened Lime	Quarry	08/24/2017	94	65	42	61	103	64	3	1234	
Holm Quarry	MN-Goodhue	Screened Lime	Quarry	08/24/2017	90	75	51	68	58	39	5	746	
Rud Quarry	IA-Allamakee	Screened Lime	Quarry	08/24/2017	93	62	40	59	86	51	4	979	
Bruegger Quarry	MN-Wabasha	Screened Lime	Quarry	08/24/2017	92	71	55	69	95	66	9	1199	
Big Springs Quarry	MN-Fillmore	Screened Lime	Quarry	08/24/2017	92	55	32	53	87	46	3	898	
Bremer Quarry	MN-Wabasha	Screened Lime	Quarry	08/24/2017	96	82	57	75	72	54	5	1021	
Underpass Quarry	MN-Houston	Screened Lime	Quarry	08/24/2017	88	57	38	56	81	45	4	867	
Donlinger Quarry	MN-Wabasha	Screened Lime	Quarry	08/24/2017	97	83	56	75	75	56	6	1055	
Anderson Quarry	MN-Fillmore	Screened Lime	Quarry	08/24/2017	93	68	45	64	96	61	3	1183	
Carlson Quarry	MN-Goodhue	Screened Lime	Quarry	08/24/2017	84	59	39	56	79	44	3	859	
Domke Quarry	MN-Goodhue	Screened Lime	Quarry	08/24/2017	93	68	46	64	97	63	3	1209	
Leroy Quarry	IA-Howard	Screened Lime	Quarry	08/24/2017	90	57	37	56	99	55	5	1050	
Dobler Quarry	MN-Fillmore	Screened Lime	Quarry	08/24/2017	96	71	54	69	97	67	6	1252	
Skyline Quarry	IA-Winneshiek	Screened Lime	Quarry	08/24/2017	91	58	38	56	94	53	4	1011	
Wimnebago Quarry	MN-Houston	Screened Lime	Quarry	08/24/2017	89	61	39	58	83	48	3	936	
Douglas Quarry	MN-Fillmore	Screened Lime	Quarry	01/08/18	96	59	33	56	88	49	2	964	
Pine Island Quarry	MN-Goodhue	Screened Lime	Quarry	01/08/2018	91	65	48	64	79	50	5	954	
City of Bloomington, MN, 952-563-4905													
Water Treatment Plant@9300 Poplar Bridge Road, Bloomington, MN/ Pond #4@11011 Nesbitt Avenue, Bloomington, MN	MN-Hennepin	Water Treatment Lime	Municipal By-Product	10/27/2017	100	100	100	100	97	97	54	895	
Water Treatment Plant@9300 Poplar Bridge Road, Bloomington, MN/ Pond #5@11011 Nesbitt Avenue, Bloomington, MN	MN-Hennepin	Water Treatment Lime	Municipal By-Product	10/27/2017	100	100	100	100	97	97	53	922	
Water Treatment Plant@9300 Poplar Bridge Road, Bloomington, MN/ Pond #6@11011 Nesbitt Avenue, Bloomington, MN6	MN-Hennepin	Water Treatment Lime	Municipal By-Product	10/27/2017	100	100	100	100	98	98	53	910	
City of Eden Prairie, MN, 952-294-5902													
Eden Prairie Water Treatment Plant, 1400 Technology Drive, Eden Prairie, MN 55344	MN-Hennepin	Water Treatment Lime	Municipal By-Product	10/06/2017	100	100	100	100	104	104	53	979	
Eden Prairie Water Treatment Plant, 1400 Technology Drive, Eden Prairie, MN 55344	MN-Hennepin	Water Treatment Lime	Municipal By-Product	10/06/2017	100	100	100	100	104	104	52	995	
City of Mankato, MN, 507-387-8588													
740 Mound Avenue, Mankato, MN	MN-Blue Earth	Water Treatment Lime-Press	Municipal By-Product	9/5/2017	100	100	100	100	100	100	42	1173	

City of Minneapolis, MN, 612-661-4960												
4300 Marshall Street NE, Minneapolis, MN 55421	MN-Hennepin	Water Treatment Lime - Lagoons	Municipal By-Product	February 2017	100	100	100	100	89	89	72	500
4300 Marshall Street NE, Minneapolis, MN 55421	MN-Hennepin	Water Treatment Lime - Presses	Municipal By-Product	February 2017	100	100	100	100	96	96	56	841
4300 Marshall Street NE, Minneapolis, MN 55421	MN-Hennepin	Water Treatment Lime - Presses	Municipal By-Product	March 2017	100	100	100	100	90	90	56	789
4300 Marshall Street NE	MN-Hennepin	Water Treatment Lime - Presses	Municipal By-Product	April 2017	100	100	100	100	91	91	55	814
4300 Marshall Street NE	MN-Hennepin	Water Treatment Lime - Lagoons	Municipal By-Product	May 2017	100	100	100	100	87	87	61	675
4300 Marshall Street NE	MN-Hennepin	Water Treatment Lime - Presses	Municipal By-Product	May 2017	100	100	100	100	91	91	61	713
4300 Marshall Street NE	MN - Hennepin	Water Treatment Plant Lime - Presses	Municipal By-Product	July 2017	100	100	100	100	93	93	63	695
4300 Marshall Street NE	MN-Hennepin	Water Treatment Plant Lime - Presses	Municipal By-Product	August 2017	100	100	100	100	89	89	62	679
4300 Marshall Street NE	MN-Hennepin	Water Treatment Plant Lime - Presses	Municipal By-Product	July 2017	100	100	100	100	90	90	60	723
4300 Marshall Street NE	MN-Hennepin	Water Treatment Plant Lime - Presses	Municipal By-Product	June 2017	100	100	100	100	93	93	63	695
4300 Marshall Street NE	MN-Hennepin	Water Treatment Lime - Presses	Municipal By-Product	September 2017	100	100	100	100	92	92	60	734
4300 Marshall St NE, Minneapolis, MN	MN-Hennepin	Water Treatment Lime - Presses	Municipal By-Product	October 2017	100	100	100	100	92	92	61	721
4300 Marshall St NE, Minneapolis, MN	MN-Hennepin	Water Treatment Lime - Presses	Municipal By-Product	November 2017	100	100	100	100	93	93	42	775
4300 Marshall St NE, Minneapolis, MN	MN - Hennepin	Water Treatment Lime - Lagoons	Municipal By-Product	November 2017	100	100	100	100	92	92	61	723
City of Saint Cloud, MN, 320-255-7225												
St. Cloud Water Treatment Facility	MN- Stearns	Pressed Lime Solids	Municipal By-Product	01/08/2018	100	100	100	100	96	96	47	1015
City of Saint Paul, MN, 651-266-6274												
Saint Paul Regional Water Services @ 1900 Rice Street	MN-Ramsey	Water Treatment Lime-JAN 2017	Municipal By-Product	2/15/2017	100	100	100	100	93	93	64	668
Saint Paul Regional Water Services @ 1900 Rice Street	MN-Ramsey	Water Treatment Lime-FEB 2017	Municipal By-Product	3/24/2017	100	100	100	100	94	94	62	715
Saint Paul Regional Water Services @1900 Rice Street, Saint Paul, MN	MN-Ramsey	Water Treatment Lime-MARCH 2017	Municipal By-Product	11/1/2017	100	100	100	100	96	96	64	682
Saint Paul Regional Water Services @ 1900 Rice Street Saint Paul, MN	MN-Ramsey	Water Treatment Lime-APRIL 2017	Municipal By-product	11/1/2017	100	100	100	100	100	100	62	765
Saint Paul Regional Water Services @ 1900 Rice Street, Saint Paul, MN	MN-Ramsey	Water Treatment Lime-MAY 2017	Municipal By-Product	11/1/2017	100	100	100	100	97	97	59	793
Saint Paul Regional Water Services @1900 Rice Street, Saint Paul , MN	MN-Ramsey	Water Treatment Lime-JULY 2017	Municipal By-Product	11/1/2017	100	100	100	100	96	96	55	872
Saint Paul Regional Water Services @ 1900 Rice Street, Saint Paul, MN	MN-Ramsey	Water Treatment Lime-JUNE 2017	Municipal By-Product	11/1/2017	100	100	100	100	97	97	57	826

Saint Paul Regional Water Services @ 1900 Rice Street, Saint Paul, MN	MN-Ramsey	Water Treatment Lime- AUGUST 2017	Municipal By-Product	11/1/2017	100	100	100	100	94	94	64	670
Saint Paul Regional Water Services @ 1900 Rice Street, Saint Paul, MN	MN-Ramsey	Water Treatment Lime -September 2017	Municipal By-Product	12/22/2017	100	100	100	100	92	92	93	693
Saint Paul Regional Water Services @ 1900 Rice Street, Saint Paul, MN	MN-Ramsey	Water Treatment Lime - October 2017	Municipal By-Product	12/22/2017	100	100	100	100	96	96	56	836
Saint Paul Regional Water Services @ 1900 Rice Street	MN-Ramsey	Water Treatment Lime - November 2017	Municipal By-Product	12/15/2017	100	100	100	100	97	97	54	885
Saint Paul Regional Water Services @ 1900 Rice Street	MN-Ramsey	Water Treatment Lime - December 2017	Municipal By-Product	1/15/2018	100	100	100	100	88	88	58	738
City of Sioux Falls, SD, 605-373-6940												
Lime Lagoons Southwest Lagoon	SD-Minnehaha	Water Treatment Lime	Municipal By-Product	12/6/2017	100	100	100	100	96	96	50	969
City of Staples, MN, 218-296-2255												
1012 US 10 East	MN-Todd Staples Water Treatment Plant	Water Treatment Lime	Municipal By-Product	10/20/2017	100	100	99	100	98	97	50	978
City of Thief River Falls, MN, 218-681-3809												
Water Treatment Plant 305 Pennington Avenue Thief River Falls MN	MN-Pennington	Water Treatment Lime	Municipal By-Product	01/05/2018	100	100	100	100	70	70	62	533
Daybreak Foods, Inc, Long Prairie, MN, 320-732-2966												
609 Sixth Street NE, Long Prairie, MN	MN-Todd	Egg Shells	Industrial By-Product	08/15/2017	100	100	100	100	85	85	22	1322
Graymont (WI) LLC, Superior, WI, 715-394-1700												
800 Hill Ave, Superior, WI	Douglas-WI	Lime Kiln Dust	Industrial By-Product	01/19/2018	100	100	98	99	97	97	0	1934
800 Hill Ave, Superior, WI	Douglas WI	Lime Co-Products	Industrial By-Product	01/19/2018	96	93	78	88	105	92	8	1692
Heron Lake BioEnergy, LLC, Heron Lake, MN, 507-793-0077												
91246 390th Avenue	MN-Jackson	Water Treatment Lime	Industrial By-Product	10/20/2017	100	100	100	100	97	97	53	913
Highwater Ethanol, LLC, Lamberton, MN, 507-752-6160												
24500 US Highway 14, Lamberton, MN	MN-Redwood	Water Treatment Lime	Industrial By-Product	11/17/2017	100	100	100	100	100	100	46	1074
Kappers Limestone Products, Spring Valley, MN, 507-937-3484												
19169 Orion Rd., Spring Valley, MN	MN-Fillmore	Pile 1	Quarry	11/10/2017	84	65	55	65	75	49	7	907
19169 Orion Rd., Spring Valley, MN	MN-Fillmore	Pile 2	Quarry	11/10/2017	83	57	43	57	99	56	4	1068
KBI Inc, Eden Valley, MN, 320-453-2395												
37780 Highway 22 Eden Valley, MN 55329	MN-Meeker	Egg Shells	Industrial By-Product	10/24/2017	100	100	100	100	93	93	23	1400
Kielmeyer Construction, Inc., Nerstrand, MN, 507-334-6088												
Foss Quarry	MN-Goodhue	Screened Lime	Quarry	1/19/18	98	73	55	71	90	64	5	1212
Hernke Quarry	MN-Goodhue	Screened Lime	Quarry	1/19/18	98	72	49	68	79	54	4	1038
Syverson Quarry	MN-Goodhue	Screened Lime	Quarry	1/19/18	98	74	55	72	91	65	7	1206
Koch Inc., Le Roy, MN, 507-259-8823												
10361 HWY 56, Le Roy, MN	MN-Mower	ag lime	Quarry	11/08/2017	99	79	59	75	93	70	9	1275
Kraemer Mining & Materials, Burnsville, MN, 952-890-3611												
Burnsville Quarry	MN-Dakota	PEP Screen Fines	Quarry	10/20/2017	94	71	50	67	80	54	9	979

Burnsville Quarry	MN-Dakota	Stacker #1 Fines	Quarry	10/20/2017	97	65	42	62	93	57	6	1074
Burnsville Quarry	MN-Dakota	Stacker #3 Fines	Quarry	10/20/2017	77	60	42	56	84	47	8	869
Burnsville Quarry	MN-Dakota	Blended Ag Lime	Quarry	10/20/2017	96	89	79	87	84	73	10	1311
Burnsville Quarry	MN-Dakota	Screened Pond Fines	Quarry	10/20/2017	99	97	95	97	99	95	13	1665
Louisiana-Pacific Corporation (LP), Two Harbors, MN, 218-834-5652												
711 25th Avenue, Two Harbors, MN	MN-Lake	Konus Wood Ash	Industrial By-Product	10/23/2017	98	97	93	95	100	89	30	1238
MG Waldbaum, Britt, IA, 641-843-3100												
1260 Highway 18, Britt, IA	IA-Hancock	Egg Shells	Industrial By-Product	11/17/2018	100	100	100	100	83	83	15	1411
Minn-Dak Farmers Coop, Wahpeton, ND, 701-671-1376												
7525 Red River Road, Wahpeton, ND 58075	ND-Richland	Beet BP Lime	Industrial By-Product	02/28/2017	100	100	100	100	82	82	36	1058
7525 Red River Road, Wahpeton, ND 58075	ND-Richland	Beet BP Lime	Industrial By-Product	03/31/2017	100	100	100	100	77	77	34	1017
7525 Red River Road, Wahpeton, ND 58075	ND-Richland	Beet BP Lime	Industrial By-Product	04/30/2017	100	100	100	100	78	78	35	1013
7525 Red River Road, Wahpeton, ND 58075	ND-Richland	Beet BP Lime	Industrial By-Product	05/31/2017	100	100	100	100	88	88	34	1161
7525 Red River Road, Wahpeton, ND 58075	ND-Richland	Beet BP Lime	Industrial By-Product	06/15/2017	100	100	100	100	91	91	32	1232
7525 Red River Road, Wahpeton, ND	ND-Richland	Beet BP Lime	Industrial By-Product	09/30/17	100	100	100	100	94	94	31	1304
7525 Red River Road, Wahpeton, ND	ND-Richland	Beet BP Lime	Industrial By-Product	10/31/17	100	100	100	100	84	84	32	1150
7525 Red River Road, Wahpeton, ND	ND- Richland	Beet BP Lime	Industrial By-Product	11/30/17	100	100	100	100	82	82	33	1102
7525 Red River Road, Wahpeton, ND	ND-Richland	Beet BP Lime	Industrial By-Product	12/31/17	100	100	100	100	86	86	32	1162
Minnesota Power, Duluth, MN, 218-628-3627												
Hibbard Plant 30 W Superior St. Duluth, MN 55803	MN-St. Louis	Wood ash	Industrial By-product	12/05/2017	100	100	95	98	36	35	29	501
Norbord Minnesota, Inc., Solway, MN, 218-751-2023												
4409 Northwoods Road NW, Solway, MN 56678	MN-Beltrami	Wood Ash	Industrial By-Product	8/15/2017	93	88	80	86	81	70	29	985
Northfield Wastewater Plant, Northfield, MN, 507-645-3052												
1450 Highway 3 N, Northfield, MN	MN-Dakota	Biosolids	Municipal By-Product	12/11/2017	92	92	92	92	45	41	40	495
Polk County Lime Quarry, Osceola, WI, 715-294-2351												
Ag-Lime Stockpile @ 2023 50th Ave, Osceola WI 54810	WI-Polk	Ag Lime	Quarry	1-19-2018	96	66	50	66	89	58	5	1098
Roberson Lime & Rock Inc, 38686 County Road 72, Zumbro Falls, MN, 55991-9756												
Roberson Quarry	MN-Wabasha	Screened Lime	Quarry	11/8/2017	89	62	41	59	78	46	4	881
Moeching Quarry	MN-Wabasha	Screened Lime	Quarry	11/8/2017	94	66	43	62	87	54	6	1019
Sappi Cloquet LLC, Cloquet, MN, 218-879-2300												
2201 Ave. B, Cloquet, MN	MN-Carlton	Bottom Ash	Industrial By-product	12/05/2017	74	53	31	48	77	37	24	567

2201 Ave. B, Cloquet, MN	MN-Carlton	Sappi Lime Mud	Industrial By-product	12/05/2017	100	100	100	100	100	100	28	1432
2201 Ave. B, Cloquet, MN	MN-Carlton	Sappi Fly Ash	Industrial By-product	12-05-2017	100	99	97	98	72	70	30	981
2201 Ave. B, Cloquet, MN	MN-Carlton	Sappi Dregs	Industrial By-product	12/05/2017	100	100	99	99	99	99	33	1329
Southern Minnesota Construction - SMC, 1905 Third Avenue, Mankato, MN, 507-625-4848												
Kasota Quarry	MN-Le Sueur	Ag-Lime Stockpile 1	Quarry	9/7/2017	100	95	82	91	89	81	9	1467
Kasota Quarry	MN-Le Sueur	Ag-Lime Stockpile 2	Quarry	9/7/2017	96	72	59	71	88	63	9	1143
Kasota Quarry	MN-Le Sueur	Ag-Lime Stockpile 3	Quarry	9/7/2017	99	79	64	77	88	67	9	1228
Kasota Quarry	MN-Le Sueur	Ag-Lime Bunker Lime Stockpile	Quarry	9/7/2017	72	46	36	47	88	42	8	768
Kasota Quarry	MN-Le Sueur	Owatonna Quarry	Quarry	9/7/2017	80	56	43	56	73	41	8	751
Specialty Minerals Inc., Cloquet, MN, 218-879-0263												
Carlton County Farms	MN-Carlton	Land Grit Utilization	Industrial by-product	11/17/2017	98	91	53	77	101	78	28	1126