

Table 1: Cornell soils database.

HC = hydrologic code; D = drainage; SMG = soil management group; UDr = undrained; Dr = artificially drained. Drainage: V = very poorly drained, P = poorly drained, S = somewhat poorly drained, M = moderately well drained, W = well drained, E = excessively well drained. N uptake efficiency is the percent of the N added to this soil at side-dress time that is expected to be taken up by the plant. The soil N supply is the quantity of N that is expected to be taken up by the corn from the soil when adequate amounts of other nutrients are present but no N was added. Yield potentials for corn are given in bushels/acre on 85% dry matter basis. A yield of 100 bushels/acre equals a 17 tons/acre silage yield (35% dry matter). Yield potentials for alfalfa are in tons/acre and assume 88% dry matter. Yield potentials are the average yields expected under excellent management over a time period of 10 years. For soils with a hydrologic code that consists of more than one letter (e.g. “A/B”, “B/C”, “C/D”), its hydrologic code is determined by the presence or absence of adequate artificial drainage. If the field is artificially drained the hydrologic group moves to the first of the two classes. If the field is inadequately drained or not drained at all, the second of the two classes is assigned.

Soil Type	HC	D	Flooding Frequency	SM G	N uptake efficiency		Soil N supply		Yield Potential			
					%		lbs N/acre		Corn bu/acre		Alfalfa tons/acre	
					UDr	Dr	UDr	Dr	UDr	Dr	UDr	Dr
Acton	C	M	Rare/None	4	65	70	65	65	120	125	4.0	5.5
Adams	A	W	Rare/None	5	70	70	40	40	95	95	4.5	4.5
Adirondack	D	W	Rare/None	4	75	75	70	70	75	75	4.0	4.0
Adjidaumo	D	P	Frequent	1	55	60	65	75	75	105	2.5	3.5
Adrian	A/D	V	Rare/None	6	55	65	90	120	60	120	2.5	4.0
Agawam	B	W	Rare/None	4	75	75	65	65	140	140	6.0	6.0
Albia	C	S	Rare/None	3	60	65	60	70	100	120	3.5	4.5
Albrights	C	M	Rare/None	2	70	70	75	75	110	120	4.5	5.0
Alden	D	V	Rare/None	3	50	60	65	80	65	90	2.0	3.5
Allagash	B	W	Rare/None	5	75	75	65	65	105	105	5.0	5.0
Allard	B	W	Rare/None	3	75	75	70	70	135	135	6.0	6.0
Allendale	D	P	Rare/None	3	55	60	60	70	80	100	2.5	3.5
Allis	D	P	Rare/None	3	60	65	65	75	80	100	2.5	4.5
Alluvial Land	C	S	Rare/None	3	60	65	70	75	75	100	3.0	4.0
Almond	C	S	Rare/None	3	60	65	65	75	90	95	2.5	3.0

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Soil Type	HC	D	Flooding Frequency	SM G	N uptake efficiency		Soil N supply		Yield Potential			
					%		lbs N/acre		Corn bu/acre		Alfalfa tons/acre	
					UDr	Dr	UDr	Dr	UDr	Dr	UDr	Dr
Alps	C	M	Rare/None	3	70	70	75	75	110	115	4.5	5.0
Altmar	B	M	Rare/None	5	65	70	50	60	100	115	4.5	5.0
Alton	A	W	Rare/None	5	75	75	65	65	125	125	5.5	5.5
Amboy	C	W	Rare/None	4	75	75	60	60	140	140	5.5	5.5
Amenia	B	M	Rare/None	4	70	70	65	65	135	140	5.0	5.5
Angola	C	S	Rare/None	2	60	65	70	80	95	110	3.0	4.5
Appleton	C	S	Rare/None	2	60	65	65	75	105	125	4.0	4.5
Arkport	B	W	Rare/None	4	75	75	50	50	125	125	5.5	5.5
Armagh	D	P	Rare/None	2	55	60	70	80	80	100	2.5	4.0
Arnot	C/D	W	Rare/None	3	70	70	70	70	90	100	4.0	4.0
Ashville	D	V	Rare/None	3	50	55	65	75	75	95	3.0	3.5
Atherton	B	P	Rare/None	3	55	60	55	75	90	105	2.5	4.0
Atkins	D	V	Frequent	3	50	60	65	75	70	105	2.0	3.5
Atsion	C	P	Rare/None	5	60	65	60	70	70	95	3.0	4.5
Au Gres	B	S	Rare/None	5	55	65	60	65	90	100	3.0	4.5
Aurelie	D	P	Rare/None	3	55	60	70	80	75	95	2.0	2.5
Aurora	C	M	Rare/None	2	70	70	70	70	110	115	4.5	4.5
Barbour	B	W	Occasional	3	75	75	75	75	140	140	6.0	6.0
Barcelona	C	S	Rare/None	3	60	65	65	75	90	115	3.5	4.5
Barre	D	P	Rare/None	1	55	65	70	80	80	105	2.5	4.0
Bash	C	S	Frequent	3	60	65	65	75	105	130	5.0	5.5
Basher	B	M	Occasional	3	70	70	70	70	140	140	5.5	6.0
Bath	C	W	Rare/None	3	75	75	75	75	125	125	5.0	5.0
Becket	C	W	Rare/None	4	75	75	60	60	100	100	4.5	4.5
Becraft	B	M	Rare/None	3	70	70	75	75	150	150	5.5	6.0
Belgrade	B	M	Rare/None	3	70	70	80	80	140	145	5.5	6.0
Benson	D	E	Rare/None	4	70	70	65	65	80	80	4.0	4.0
Berkshire	B	W	Rare/None	5	75	75	65	65	125	125	5.5	5.5
Bernardston	C	W	Rare/None	4	75	75	65	65	135	135	5.5	5.5
Berrien	C	M	Rare/None	5	70	70	55	55	120	120	4.5	5.0
Berryland	B	V	Frequent	5	50	60	70	75	60	90	2.0	3.5
Beseman	A	V	Rare/None	6	50	65	90	130	60	130	2.5	3.5
Bice	B	W	Rare/None	5	75	75	65	65	130	130	5.0	5.0
Biddeford	D	V	Rare/None	2	50	60	70	75	65	95	2.0	3.5
Birdsall	D	V	Rare/None	3	50	55	70	75	70	90	2.5	3.5
Blasdell	A	W	Rare/None	3	75	75	70	70	125	125	5.5	5.5
Bombay	B	M	Rare/None	4	70	70	65	65	135	135	5.0	5.5
Bonaparte	A	E	Rare/None	4	70	70	50	50	100	100	4.5	4.5

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Soil Type	HC	D	Flooding Frequency	SM G	N uptake efficiency		Soil N supply		Yield Potential			
					%		lbs N/acre		Corn bu/acre		Alfalfa tons/acre	
					UDr	Dr	UDr	Dr	UDr	Dr	UDr	Dr
Bono	D	V	Rare/None	1	50	60	70	80	60	100	3.0	4.0
Boots	A	V	Rare/None	6	55	65	90	130	60	130	2.5	3.5
Borosapristis	A/D	V	Rare/None	6	55	65	90	140	60	150	2.0	3.5
Boynton	D	P	Rare/None	3	55	65	70	75	80	100	2.5	4.0
Braceville	C	M	Rare/None	4	70	70	75	75	115	120	4.0	5.0
Brayton	C	S	Rare/None	4	60	65	70	70	90	105	3.0	4.5
Bridge-hampton	B	W	Rare/None	3	70	70	70	70	150	150	6.0	6.0
Bridport	D	S	Rare/None	2	60	65	65	75	105	120	3.5	4.5
Briggs	A	W	Rare/None	4	75	75	60	60	100	100	5.0	5.0
Brinkerton	D	P	Rare/None	2	55	65	70	80	80	100	2.5	4.0
Broadalbin	C	M	Rare/None	4	75	75	65	65	130	130	5.5	5.5
Brockport	D	S	Rare/None	1	60	65	70	80	95	120	4.0	4.5
Brookfield	B	W	Rare/None	3	75	75	75	75	130	130	5.0	5.0
Buckland	C	W	Rare/None	3	70	70	70	70	90	90	0.0	4.0
Bucksport	D	V	Rare/None	6	55	65	90	140	60	150	2.0	3.5
Budd	B	W	Rare/None	4	75	75	40	40	105	105	5.5	5.5
Burdett	C	S	Rare/None	2	60	65	70	80	100	120	4.0	4.5
Burnham	D	P	Rare/None	3	60	65	70	80	70	95	2.0	3.5
Busti	C	S	Rare/None	3	60	65	60	70	100	120	3.5	4.0
Buxton	C	M	Rare/None	2	70	70	70	70	120	120	5.0	5.5
Cambria	D	P	Rare/None	2	55	60	65	75	80	105	2.5	3.5
Cambridge	C	M	Rare/None	3	70	70	70	70	120	125	5.0	5.5
Camillus	B	W	Rare/None	3	70	70	75	75	120	125	5.0	5.0
Camroden	C	S	Rare/None	3	60	65	70	75	100	110	4.0	4.5
Canaan	C	E	Rare/None	4	70	70	65	65	75	75	4.5	4.5
Canaan-Rock Outcrop	C	E	Rare/None	4	70	70	65	65	75	75	4.5	4.5
Canadice	D	P	Rare/None	2	55	65	60	70	80	110	3.0	4.0
Canandaigua	D	P	Rare/None	3	55	65	70	80	90	110	2.5	4.0
Canaseraga	C	M	Rare/None	3	70	70	80	80	125	125	5.0	5.5
Canastota	C	M	Rare/None	2	70	70	75	75	120	125	4.5	5.0
Caneadea	D	S	Rare/None	2	60	65	65	75	105	120	4.0	4.5
Canfield	C	M	Rare/None	3	70	70	75	75	115	120	4.0	5.0
Canton	B	W	Rare/None	4	75	75	60	60	130	130	5.5	5.5
Carbondale	A	V	Rare/None	6	55	65	90	130	60	130	2.0	3.5
Carlisle	A/D	V	Rare/None	6	55	65	90	130	60	130	2.0	3.5
Carrollton	C	W	Rare/None	3	75	75	75	75	105	105	3.5	3.5

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Soil Type	HC	D	Flooding Frequency	SM G	N uptake efficiency		Soil N supply		Yield Potential			
					%		lbs N/acre		Corn bu/acre		Alfalfa tons/acre	
					UDr	Dr	UDr	Dr	UDr	Dr	UDr	Dr
Carver	A	E	Rare/None	5	70	70	40	40	75	75	4.0	4.0
Carver-Plymouth	A	E	Rare/None	5	70	70	40	40	75	75	4.0	4.0
Castile	B	W	Rare/None	4	75	75	75	75	135	135	5.5	5.5
Cathro	A	V	Rare/None	6	55	65	90	140	60	150	2.5	3.5
Cathro-Greenwood	A	V	Rare/None	6	55	65	90	140	60	150	2.5	3.5
Cattaraugus	C	W	Rare/None	3	75	75	75	75	125	125	5.5	5.5
Cavode	C	S	Rare/None	2	60	65	70	75	105	120	3.5	4.5
Cayuga	C	W	Rare/None	2	70	70	75	75	135	135	5.5	5.5
Cazenovia	B	M	Rare/None	2	70	75	75	75	135	135	5.5	5.5
Ceresco	B	M	Rare/None	3	70	70	75	75	145	145	6.0	6.0
Chadakoin	B	W	Rare/None	3	75	75	75	75	130	130	5.5	5.5
Chagrin	B	W	Occasional	3	75	75	75	75	140	140	6.0	6.0
Champlain	A	E	Rare/None	5	70	70	50	50	75	75	3.5	3.5
Charles	C	P	Frequent	3	55	60	70	80	75	90	2.0	3.0
Charlton	B	W	Rare/None	4	75	75	65	65	130	130	5.5	5.5
Chatfield (E)	B	E	Rare/None	4	70	70	50	50	100	100	4.5	4.5
Chatfield (WE)	B	W	Rare/None	4	70	70	65	65	100	100	4.5	4.5
Chaumont	D	S	Rare/None	1	55	65	65	75	80	100	3.0	4.0
Chautauqua	C	M	Rare/None	3	70	70	75	75	125	125	5.0	5.0
Cheektowaga	D	P	Rare/None	5	55	65	55	75	80	105	3.0	4.0
Chenango	A	W	Rare/None	3	70	70	70	70	130	130	5.5	5.5
Cheshire	B	W	Rare/None	4	75	75	75	75	125	125	5.0	5.0
Chippeny	D	V	Rare/None	6	55	65	90	130	60	130	2.0	3.5
Chippewa	D	P	Rare/None	3	55	65	70	75	80	100	2.5	4.0
Churchville	D	S	Rare/None	2	60	65	70	80	105	120	3.0	4.5
Cicero	C	S	Rare/None	2	60	65	70	75	100	115	3.5	4.5
Clarkson	B	M	Rare/None	2	70	70	75	75	135	140	5.5	6.0
Claverack	C	M	Rare/None	4	70	70	70	70	120	120	5.5	5.5
Clymer	B	W	Rare/None	4	75	75	70	70	110	120	5.0	5.0
Cohoctah	B	P	Frequent	4	55	65	70	80	80	100	2.5	3.5
Collamer	C	M	Rare/None	3	70	70	75	75	140	140	5.5	6.0
Colonie	A	W	Rare/None	5	70	70	50	50	105	105	4.5	4.5
Colosse	A	E	Rare/None	4	70	70	50	50	70	70	4.5	4.5
Colrain	A	W	Rare/None	4	75	75	65	65	130	130	5.5	5.5
Colton	A	E	Rare/None	5	70	70	50	50	85	85	4.5	4.5
Colwood	D	P	Rare/None	3	55	65	70	80	90	110	2.5	4.0

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Soil Type	HC	D	Flooding Frequency	SM G	N uptake efficiency		Soil N supply		Yield Potential			
					%		lbs N/acre		Corn bu/acre		Alfalfa tons/acre	
					UDr	Dr	UDr	Dr	UDr	Dr	UDr	Dr
Conesus	B	M	Rare/None	2	70	70	75	75	135	140	5.0	5.5
Conotton	A	W	Rare/None	3	75	75	70	70	125	125	5.5	5.5
Constable	A	W	Rare/None	5	70	70	50	50	75	75	4.5	4.5
Cook	D	V	Rare/None	5	50	60	70	80	70	90	2.5	3.5
Copake	B	W	Rare/None	4	75	75	65	65	135	135	6.0	6.0
Cornish	C	S	Occasional	3	60	65	65	75	95	110	3.5	4.5
Cosad	C	S	Rare/None	4	60	70	60	70	105	120	4.0	5.0
Cossayuna	C	W	Rare/None	4	75	75	65	65	135	135	5.5	5.5
Covert	A	M	Rare/None	4	70	70	60	60	115	120	5.0	5.5
Coveytown	C	S	Rare/None	4	65	70	65	75	90	110	3.0	4.5
Covington	D	P	Rare/None	1	55	60	70	75	75	95	2.5	3.5
Crary	C	M	Rare/None	4	65	70	60	70	110	120	4.0	4.5
Croghan	B	M	Rare/None	5	70	70	50	50	100	100	4.5	4.5
Culvers	C	M	Rare/None	3	70	70	75	75	115	125	4.5	5.0
Dalbo	C	M	Rare/None	3	70	70	75	75	95	115	4.5	4.5
Dalton	C	S	Rare/None	3	60	65	70	75	95	105	3.0	4.0
Danley	C	M	Rare/None	2	70	70	75	75	120	125	4.5	5.0
Dannemora	D	P	Rare/None	4	55	65	65	75	75	90	2.5	3.5
Darien	C	S	Rare/None	2	60	65	70	75	100	115	3.5	4.5
Dawson	A	V	Rare/None	6	55	65	90	140	60	150	2.5	3.5
Deerfield	B	M	Rare/None	5	70	70	60	65	105	110	4.5	4.5
Deford	A	P	Rare/None	4	55	60	65	75	75	100	4.0	4.0
Dekalb	A	W	Rare/None	4	75	75	70	70	100	100	5.0	5.0
Depeyster	C	M	Rare/None	3	70	70	75	75	140	140	5.5	6.0
Deposit	B	M	Occasional	3	70	70	75	75	125	130	5.0	5.5
Derb	C	S	Rare/None	3	60	65	70	75	95	115	3.5	4.0
Dixmont	C	M	Rare/None	5	70	70	65	65	115	120	4.5	5.0
Dorval	A	V	Rare/None	6	55	65	90	140	60	150	2.0	3.5
Dover	B	W	Rare/None	4	75	75	70	70	125	125	5.5	5.5
Duane	B	M	Rare/None	4	70	70	60	60	95	95	4.0	4.5
Dunkirk	B	W	Rare/None	3	75	75	75	75	140	140	5.5	5.5
Dutchess	B	W	Rare/None	4	75	75	65	65	135	135	5.5	5.5
Duxbury	A	W	Rare/None	4	75	75	65	65	95	95	5.0	5.0
Edwards	B	V	Rare/None	6	55	65	90	130	60	130	2.5	3.5
Eel	B	M	Occasional	2	65	70	75	75	140	140	4.5	5.5
Eelweir	C	M	Rare/None	4	70	70	50	50	130	135	5.0	5.5
Elka	C	W	Rare/None	4	75	75	70	70	115	115	4.5	4.5
Ellery	D	P	Rare/None	3	55	65	70	75	80	100	2.5	4.0

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					UDr	Dr	UDr	Dr	UDr	Dr	UDr	Dr
Elmridge	C	M	Rare/None	5	70	70	60	60	135	135	4.5	5.5
Elmwood	C	M	Rare/None	4	70	70	60	60	130	130	4.5	5.0
Elnora	B	M	Rare/None	5	70	70	50	50	110	110	4.5	5.0
Empeyville	C	M	Rare/None	4	70	70	60	60	100	105	3.5	4.5
Enfield	B	W	Rare/None	3	75	75	75	75	150	150	5.5	5.5
Ensley	B	P	Rare/None	3	55	60	65	75	75	95	3.0	3.5
Erie	C	S	Rare/None	3	60	65	65	75	95	115	3.0	4.0
Ernest	C	W	Rare/None	3	75	75	75	75	75	75	4.0	4.0
Essex	C	W	Rare/None	5	75	75	70	70	95	95	4.5	4.5
Fahey	B	M	Rare/None	5	70	70	55	65	100	100	4.0	4.5
Farmington	C	W	Rare/None	3	75	75	65	65	90	90	4.0	4.0
Farnham	C	M	Rare/None	4	70	70	70	70	120	125	5.0	5.5
Fernlake	A	E	Rare/None	4	70	70	60	60	75	75	3.0	3.0
Flackville	C	M	Rare/None	4	70	70	70	70	120	120	5.5	5.5
Fonda	D	V	Rare/None	2	50	60	70	80	70	100	2.0	3.5
Franklinville	B	W	Rare/None	4	75	75	75	75	120	120	5.0	5.0
Fredon	C	S	Occasional	4	55	65	70	75	90	115	3.0	4.0
Freetown	D	V	Rare/None	6	50	65	90	130	60	130	2.5	3.5
Fremont	C	S	Rare/None	2	60	65	65	75	100	110	3.0	4.5
Frenchtown	D	P	Rare/None	3	55	60	65	75	70	105	2.5	4.0
Frewsburg	C	S	Rare/None	3	60	65	65	75	80	95	3.0	4.0
Fryeburg	B	W	Rare/None	3	75	75	70	70	95	95	4.0	4.0
Fulton	D	P	Rare/None	1	55	60	65	75	75	105	2.5	3.5
Gage	D	P	Rare/None	3	55	60	65	75	90	95	3.0	4.0
Galen	B	M	Rare/None	4	70	70	60	60	130	130	5.0	5.5
Galestown	A	E	Rare/None	5	70	70	40	40	90	90	4.0	4.0
Galoo	C	W	Rare/None	4	70	70	50	50	75	75	3.5	3.5
Galoo-Rock Outcrop	C	W	Rare/None	4	70	70	50	50	75	75	3.5	3.5
Galway	B	W	Rare/None	4	75	75	70	70	130	130	5.0	5.0
Genesee	B	W	Occasional	2	75	75	80	80	155	155	6.5	6.5
Georgia	C	M	Rare/None	4	70	70	75	75	135	140	5.0	5.5
Getzville	D	P	Rare/None	3	55	60	65	75	75	90	3.0	3.5
Gilpen	C	W	Rare/None	3	75	75	75	75	120	120	4.0	4.0
Gilpin	C	W	Rare/None	3	75	75	70	70	110	110	4.0	4.0
Glebe	C	W	Rare/None	4	70	70	70	70	75	75	3.0	3.0
Glebe-Saddleback	C	W	Rare/None	4	70	70	70	70	75	75	3.0	3.0

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					%		lbs N/acre		Corn bu/acre		Alfalfa tons/acre	
					UDr	Dr	UDr	Dr	UDr	Dr	UDr	Dr
Glendora	A/D	W	Rare/None	4	75	75	70	70	75	75	3.0	3.0
Glenfield	B	V	Rare/None	3	50	60	65	75	90	110	2.5	3.5
Gloucester	A	E	Rare/None	4	70	70	50	50	120	120	4.5	4.5
Glover	D	E	Rare/None	4	70	70	60	60	90	90	3.5	3.5
Gougeville	A	V	Rare/None	5	50	60	65	75	75	100	2.0	4.0
Granby	A/D	P	Rare/None	5	55	60	60	65	75	100	2.0	3.5
Grattan	A	E	Rare/None	5	70	70	50	50	105	105	4.5	4.5
Greene	C	S	Rare/None	3	60	65	65	75	90	110	3.0	4.0
Greenwood	A	V	Rare/None	6	50	65	90	140	60	150	2.0	3.0
Grenville	B	W	Rare/None	4	75	75	75	75	140	140	5.5	5.5
Greton	C	S	Rare/None	3	60	65	65	75	75	90	2.5	3.0
Groton	A	M	Rare/None	4	70	70	70	70	105	110	4.5	5.0
Groveton	A	W	Rare/None	4	70	70	65	65	95	95	4.0	5.0
Guff	D	P	Rare/None	1	50	55	60	75	75	90	2.5	3.0
Guffin	D	P	Rare/None	1	50	60	60	65	60	75	2.5	3.5
Gulf	B	P	Rare/None	4	55	60	65	75	75	90	2.5	3.5
Hadley	B	W	Rare/None	3	75	75	70	70	140	140	5.0	5.0
Haight	B	W	Rare/None	3	60	70	50	60	100	95	3.0	3.5
Haight-Gulf	B	P	Rare/None	3	60	70	50	60	95	100	3.0	3.5
Hailesboro	C	S	Rare/None	3	60	65	65	75	110	125	4.0	5.0
Halcott	C/D	W	Rare/None	2	70	70	75	75	75	80	3.0	3.5
Halsey	C/D	V	Rare/None	4	50	60	70	75	90	100	2.5	3.5
Hamlin	B	W	Occasional	2	75	75	80	80	155	155	6.5	6.5
Hamplain	B	W	Rare/None	2	75	75	80	80	150	150	5.5	5.5
Hannawa	D	P	Rare/None	4	55	60	60	70	85	100	3.0	4.0
Hartland	B	W	Rare/None	4	75	75	75	75	155	155	6.0	6.0
Haven	B	W	Rare/None	4	75	75	65	65	150	150	6.0	6.0
Hawksnest	C/D	W	Rare/None	3	70	70	75	75	75	80	2.5	3.0
Hempstead	B	W	Rare/None	4	75	75	65	65	150	150	6.0	6.0
Henrietta	B	V	Rare/None	6	55	65	90	130	60	150	2.0	3.5
Herkimer	B	M	Rare/None	3	70	70	75	75	130	130	5.5	6.0
Hermon	A	W	Rare/None	4	70	70	50	50	105	105	5.0	5.0
Hero	B	M	Rare/None	4	70	70	70	70	130	135	5.5	6.0
Heuvelton	C	M	Rare/None	2	70	70	75	75	115	135	4.5	5.5
Hilton	B	M	Rare/None	2	70	70	75	75	135	140	5.5	6.0
Hinckley	A	E	Rare/None	5	70	70	50	50	95	95	4.5	4.5
Hinesburg	C	W	Rare/None	4	75	75	60	60	105	105	5.5	5.5
Hogansburg	B	M	Rare/None	4	70	70	75	75	135	140	5.0	5.5

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Soil Type	HC	D	Flooding Frequency	SM G	N uptake efficiency		Soil N supply		Yield Potential			
					%		lbs N/acre		Corn bu/acre		Alfalfa tons/acre	
					UDr	Dr	UDr	Dr	UDr	Dr	UDr	Dr
Hogback	C	M	Rare/None	5	75	75	50	50	75	75	4.0	4.0
Hogback-Ricker	C	M	Rare/None	5	75	75	50	50	75	75	4.0	4.0
Holderton	B	S	Occasional	3	60	65	65	75	105	115	4.0	4.5
Hollis	C	S	Rare/None	4	60	65	50	60	75	95	3.5	4.5
Holly	C/D	P	Frequent	2	55	60	60	75	70	95	2.5	3.5
Holyoke	C	W	Rare/None	3	70	70	70	70	75	75	4.0	4.0
Holyoke-Rock Outcrop	C	W	Rare/None	3	70	70	70	70	75	75	4.0	4.0
Homer	B	S	Rare/None	2	60	65	65	75	105	125	4.0	5.0
Honeoye	B	W	Rare/None	2	75	75	75	75	140	140	5.5	5.5
Hoosic	A	W	Rare/None	4	75	75	60	60	105	105	5.0	5.0
Hornell	D	S	Rare/None	2	65	70	70	75	95	105	3.0	4.0
Hornellsville	D	S	Rare/None	3	60	65	65	75	85	95	2.5	3.0
Houghtonville	C	W	Rare/None	5	75	75	65	65	105	105	4.5	4.5
Houghtonville-Rawson	C	W	Rare/None	5	75	75	65	65	105	105	4.5	4.5
Houseville	C	S	Rare/None	2	60	65	65	75	105	125	4.0	5.0
Howard	A	W	Rare/None	3	75	75	70	70	135	135	5.5	5.5
Hudson	C	M	Rare/None	2	70	70	80	80	135	135	5.0	5.5
Hulberton	C	S	Rare/None	2	60	65	70	80	105	125	4.0	4.5
Ilion	D	P	Rare/None	2	60	65	70	80	90	105	2.5	4.0
Insula	B	W	Rare/None	4	75	75	60	65	90	90	3.0	3.0
Ipswich	D	V	Frequent	6	50	65	90	99	60	130	2.5	3.5
Ira	C	M	Rare/None	4	70	70	65	65	115	120	4.5	5.0
Ischua	B	M	Rare/None	3	70	70	75	75	100	105	4.0	4.5
Ivory	C	S	Rare/None	2	60	65	65	75	90	100	2.5	3.0
Jebavy	A	P	Rare/None	5	55	60	60	70	75	95	3.0	4.0
Joliet	D	P	Frequent	4	55	65	65	75	60	100	2.5	4.0
Junius	C	P	Rare/None	5	55	65	50	60	80	100	3.0	4.0
Kalurah	B	M	Rare/None	4	70	70	75	75	135	140	5.0	5.5
Kanona	D	S	Rare/None	2	55	65	60	70	77	95	2.5	3.5
Kars	A	W	Rare/None	4	70	70	65	65	125	125	5.5	5.5
Kearsarge	B	E	Rare/None	3	70	70	70	70	90	90	3.0	3.0
Kendaia	C	S	Rare/None	2	60	65	65	75	105	125	4.0	4.5
Kibbie	B	S	Rare/None	3	60	65	65	75	110	125	4.0	5.0
Kingsbury	D	S	Rare/None	1	60	65	65	75	95	110	3.5	4.5
Kinzua	B	W	Rare/None	3	75	75	75	75	130	130	4.5	4.5

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Soil Type	HC	D	Flooding Frequency	SM G	N uptake efficiency		Soil N supply		Yield Potential			
					%		lbs N/acre		Corn bu/acre		Alfalfa tons/acre	
					UDr	Dr	UDr	Dr	UDr	Dr	UDr	Dr
Knickerbocker	A	E	Rare/None	5	70	70	65	65	105	105	4.5	4.5
Lackawanna	C	W	Rare/None	3	75	75	75	75	125	125	5.5	5.5
Lagross	A	W	Rare/None	3	75	75	75	75	115	115	5.0	5.0
Lagross-Haight	A	W	Rare/None	3	75	75	75	75	115	115	5.0	5.0
Lairdsville	D	M	Rare/None	2	70	70	75	75	120	120	4.5	4.5
Lakemont	D	P	Rare/None	1	55	60	65	75	80	105	2.5	3.5
Lakewood	A	E	Rare/None	5	70	70	40	40	75	75	4.0	4.0
Lamson	B/D	P	Rare/None	4	55	65	65	75	75	110	2.5	4.0
Lanesboro	C	W	Rare/None	3	70	70	75	75	75	75	4.0	4.0
Langford	C	W	Rare/None	3	70	70	75	75	120	120	4.5	5.0
Lansing	B	W	Rare/None	2	75	75	75	75	140	140	5.5	5.5
Leck Kill	B	W	Rare/None	3	75	75	75	75	115	115	4.0	4.0
Leicester	C	P	Rare/None	4	55	65	65	75	75	105	2.5	3.5
Leon	C	P	Rare/None	5	60	65	60	70	70	95	3.0	4.5
Lewbath	C	W	Rare/None	3	75	75	75	75	95	95	4.5	4.5
Lewbeach	C	W	Rare/None	3	75	75	75	75	125	125	5.5	5.5
Leyden	C	M	Rare/None	2	70	70	75	75	120	125	4.5	5.0
Lima	B	M	Rare/None	2	70	70	75	75	135	140	5.0	5.5
Limerick	C	P	Frequent	3	55	65	70	75	80	115	3.0	4.5
Linden	B	W	Rare/None	4	75	75	75	75	135	135	6.0	6.0
Linlithgo	B	S	Occasional	3	65	65	70	75	105	115	3.5	4.5
Livingston	D	V	Rare/None	1	50	55	65	75	65	85	2.0	3.0
Lobdell	B	M	Occasional	3	65	70	75	75	135	135	4.5	5.5
Lockport	D	S	Rare/None	2	60	65	70	80	95	120	4.0	4.5
Lorain	D	P	Rare/None	1	55	60	60	70	80	100	3.0	4.0
Lordstown	C	W	Rare/None	3	75	75	70	70	105	105	4.5	4.5
Lovewell	B	M	Occasional	2	70	70	75	75	130	140	4.5	5.5
Lowville	B	W	Rare/None	4	75	75	75	75	135	135	5.0	5.0
Loxley	A	V	Rare/None	6	50	65	90	130	60	130	2.5	3.5
Lucas	C	M	Rare/None	2	70	70	80	80	135	135	5.0	5.5
Ludlow	C	M	Rare/None	4	70	70	75	75	115	120	5.0	5.5
Lupton	A	V	Rare/None	6	55	65	90	140	60	150	2.5	3.5
Lyman	C	E	Rare/None	4	70	70	60	60	75	75	4.0	4.0
Lyman-Becket-Berkshire	C	E	Rare/None	4	70	70	60	60	75	75	4.0	4.0

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					%		lbs N/acre		Corn bu/acre		Alfalfa tons/acre	
					UDr	Dr	UDr	Dr	UDr	Dr	UDr	Dr
Lyme	C	P	Rare/None	5	55	65	60	70	75	100	2.5	4.0
Lyons	D	P	Rare/None	2	55	60	65	75	80	105	2.5	3.5
Machias	B	M	Rare/None	4	70	70	70	70	115	115	4.5	5.0
Macomber	C	W	Rare/None	4	75	75	75	75	85	85	3.5	3.5
Macomber-Taconic	C	W	Rare/None	4	75	75	75	75	85	85	3.5	3.5
Madalin	D	P	Rare/None	1	55	60	65	75	75	105	2.5	3.5
Madawaska	B	M	Rare/None	5	70	70	60	60	115	115	4.5	5.0
Madrid	B	W	Rare/None	4	75	75	65	65	135	135	5.5	5.5
Malone	C	S	Rare/None	4	60	65	65	75	105	125	3.5	4.5
Manahawkin	D	V	Frequent	6	55	65	90	130	60	130	2.5	3.5
Mandy	C	W	Rare/None	3	75	75	75	75	105	105	4.0	4.0
Manheim	C	S	Rare/None	2	60	65	65	75	105	125	3.5	4.5
Manhoning	D	S	Rare/None	2	60	65	65	75	90	115	3.0	4.5
Manlius	C	W	Rare/None	3	70	70	70	70	105	105	4.5	4.5
Mansfield	D	V	Rare/None	3	50	60	65	75	65	90	2.0	3.5
Maplecrest	B	W	Rare/None	2	75	75	75	75	130	130	5.5	5.5
Marcy	D	P	Rare/None	3	55	60	65	75	90	95	3.0	4.0
Mardin	C	M	Rare/None	3	70	70	75	75	115	120	4.5	5.0
Marilla	C	M	Rare/None	3	70	70	75	75	120	120	4.0	4.5
Markey	A/D	V	Rare/None	6	55	65	90	130	60	150	2.0	3.5
Marlow	C	W	Rare/None	4	75	75	60	60	120	120	5.0	5.0
Martisco	B	V	Frequent	6	50	65	90	120	60	120	2.5	3.5
Massena	C	S	Rare/None	4	60	65	65	75	105	125	3.5	4.5
Matoon	D	S	Rare/None	1	60	60	65	75	100	120	3.0	4.0
Matunuck	D	V	Frequent	6	50	65	90	130	60	130	2.5	3.0
Medihemists	A/D	V	Rare/None	6	55	65	90	130	60	150	2.0	3.5
Medina	B	W	Rare/None	3	75	75	75	75	130	130	5.0	5.0
Medomak	D	V	Frequent	3	50	55	65	75	60	80	2.0	2.5
Melrose	C	W	Rare/None	4	75	75	50	50	120	120	5.0	5.0
Menlo	D	P	Rare/None	4	55	60	60	70	80	95	2.5	3.5
Mentor	B	W	Rare/None	4	75	75	60	60	125	125	5.5	5.5
Merrimac	A	W	Rare/None	4	70	70	75	75	105	105	5.0	5.0
Middlebrook	C	M	Rare/None	3	70	70	75	75	105	110	4.0	4.5
Middlebrook-Mongaup	C	M	Rare/None	3	70	70	75	75	105	110	4.0	4.5
Middlebury	B	M	Occasional	3	65	70	75	75	135	135	4.5	5.5
Millis	C	W	Rare/None	4	75	75	60	60	120	120	5.0	5.0

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					UDr	Dr	UDr	Dr	UDr	Dr	UDr	Dr
Millsite	C	W	Rare/None	4	70	70	65	65	100	100	4.5	4.5
Mineola	A	M	Rare/None	4	70	70	75	75	125	130	5.0	5.5
Miner	D	P	Rare/None	1	55	60	65	75	75	105	2.5	3.5
Mino	C	S	Rare/None	4	60	65	50	60	100	125	3.0	5.0
Minoa	C	S	Rare/None	4	60	65	50	60	100	125	3.0	5.0
Mohawk	B	W	Rare/None	2	70	70	75	75	140	140	5.5	5.5
Moira	C	M	Rare/None	4	70	70	70	70	100	110	4.0	5.0
Monadnock	B	W	Rare/None	4	75	75	60	60	95	95	3.5	3.5
Monarda	D	S	Rare/None	4	60	65	65	70	95	115	3.5	4.5
Mongaup	C	W	Rare/None	3	75	75	70	70	105	105	4.5	4.5
Montauk	C	W	Rare/None	4	70	70	65	65	135	135	5.0	5.0
Mooers	B	M	Rare/None	5	70	70	60	60	95	100	3.0	3.5
Morocco	C	P	Rare/None	4	55	65	60	65	90	115	3.0	4.0
Morris	C	S	Rare/None	3	60	65	65	75	95	105	3.5	4.5
Mosherville	C	S	Rare/None	4	60	65	60	70	100	125	3.5	4.5
Muck	D	V	Rare/None	6	55	65	90	130	60	150	2.0	3.5
Muck-Peat	D	V	Rare/None	6	55	65	90	130	60	150	2.5	3.5
Mundal	C	W	Rare/None	4	75	75	60	60	65	65	3.5	3.5
Mundalite	C	W	Rare/None	3	75	75	70	70	105	105	4.5	4.5
Mundalite-Rawsonville	C	W	Rare/None	3	75	75	70	70	105	105	4.5	4.5
Munson	D	S	Rare/None	2	60	65	65	75	105	120	3.5	4.5
Munuscong	B	P	Rare/None	4	55	65	60	65	60	95	2.0	3.5
Muskego	A/C	V	Rare/None	6	55	65	90	130	60	150	2.0	3.5
Muskellunge	D	S	Rare/None	3	60	65	65	75	90	115	3.5	4.5
Napoleon	A	V	Rare/None	6	55	65	90	130	60	150	2.0	3.5
Napoli	C	S	Rare/None	3	60	65	65	75	80	90	2.5	3.5
Nassau	C	E	Rare/None	4	70	70	50	50	85	85	4.0	4.0
Naumburg	C	S	Rare/None	5	55	65	60	65	90	100	3.0	4.5
Nehasne	B	W	Rare/None	4	75	75	70	70	130	130	5.0	5.0
Nellis	B	W	Rare/None	4	75	75	70	70	140	140	5.5	5.5
Neversink	D	P	Rare/None	4	55	60	60	70	75	90	2.0	3.5
Newfane	B	W	Rare/None	4	75	75	50	50	125	125	5.5	5.5
Newstead	C	S	Rare/None	4	55	65	60	70	95	115	3.5	4.5
Newton	A/D	V	Rare/None	5	50	60	50	60	80	90	2.0	3.5
Niagara	C	S	Rare/None	3	60	65	65	75	110	125	4.0	5.0
Nicholville	C	M	Rare/None	4	70	70	70	70	105	110	4.0	4.5
Ninigret	B	M	Rare/None	4	70	70	70	70	130	135	5.5	6.0

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Soil Type	HC	D	Flooding Frequency	SM G	N uptake efficiency		Soil N supply		Yield Potential			
					%		lbs N/acre		Corn bu/acre		Alfalfa tons/acre	
					UDr	Dr	UDr	Dr	UDr	Dr	UDr	Dr
Norchip	D	P	Rare/None	3	55	60	70	80	60	80	2.5	3.5
Norwell	C	S	Rare/None	5	60	65	60	70	100	120	3.5	4.5
Norwich	D	V	Rare/None	3	55	60	60	70	70	90	2.5	3.5
Nunda	C	M	Rare/None	2	70	70	75	75	125	130	5.0	5.5
Oakville	A	W	Rare/None	5	70	70	50	50	90	100	4.5	4.5
Occum	B	W	Occasional	4	75	75	75	75	140	140	5.5	5.5
Odessa	D	S	Rare/None	2	60	65	75	75	105	115	4.0	4.5
Ogdensburg	C	S	Rare/None	4	55	65	60	70	95	115	3.5	4.5
Olean	B	M	Rare/None	2	70	70	75	80	125	130	5.5	6.0
Ondawa	B	W	Occasional	4	75	75	75	75	135	135	6.0	6.0
Oneida	C	S	Rare/None	4	60	65	65	75	105	125	3.5	4.5
Onoville	C	M	Rare/None	3	70	70	70	75	105	115	4.0	4.5
Ontario	B	W	Rare/None	2	75	75	75	75	140	140	6.0	6.0
Onteora	C	S	Rare/None	3	60	65	65	75	90	115	3.5	4.5
Ontusia	C	S	Rare/None	3	60	65	60	70	95	105	3.5	4.5
Oquaga	C	W	Rare/None	3	70	70	65	65	100	100	4.5	4.5
Oramel	C	S	Rare/None	2	70	70	75	75	130	130	5.5	5.5
Organic	A/D	V	Rare/None	6	50	65	90	130	60	130	2.5	3.5
Orpark	C	S	Rare/None	2	60	65	65	75	100	110	3.5	4.5
Orwell	D	P	Rare/None	2	55	60	65	75	90	100	3.0	4.5
Ossipee	D	V	Rare/None	6	55	65	90	130	60	150	2.0	3.5
Otego	B	M	Occasional	2	70	70	70	75	140	150	5.0	5.5
Otisville	A	E	Rare/None	4	70	70	50	50	95	95	4.5	4.5
Ottawa	A	W	Rare/None	5	70	70	50	50	115	115	5.0	5.0
Ovid	C	S	Rare/None	2	65	70	70	75	105	125	4.0	4.5
Palatine	B	W	Rare/None	2	65	70	65	70	100	100	4.5	4.5
Palms	A/D	V	Frequent	6	50	65	90	140	60	150	2.5	3.5
Palmyra	B	W	Rare/None	3	75	75	70	70	140	140	5.5	5.5
Panton	D	P	Rare/None	1	55	65	65	75	90	105	3.5	4.5
Papakating	D	P	Frequent	2	55	60	60	75	70	95	2.5	3.5
Parishville	C	M	Rare/None	4	70	70	70	70	100	110	4.0	5.0
Parsippany	D	P	Rare/None	1	50	60	60	75	80	105	2.5	3.5
Patchin	D	P	Rare/None	3	55	60	65	75	65	85	2.5	3.5
Pawcatuck	D	V	Frequent	6	50	65	90	130	60	130	2.5	3.5
Pawling	B	M	Occasional	4	70	70	75	75	140	140	5.5	5.5
Paxton	C	W	Rare/None	4	75	75	65	65	125	125	5.0	5.0
Peacham	D	P	Rare/None	3	55	60	70	80	60	75	2.0	3.0
Peat	A/D	V	Rare/None	6	55	65	90	130	60	150	2.5	3.5

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Soil Type	HC	D	Flooding Frequency	SM G	N uptake efficiency		Soil N supply		Yield Potential			
					%		lbs N/acre		Corn bu/acre		Alfalfa tons/acre	
					UDr	Dr	UDr	Dr	UDr	Dr	UDr	Dr
Peat-Muck	A/D	V	Rare/None	6	55	65	90	130	60	150	2.0	3.5
Peru	C	M	Rare/None	4	70	70	60	60	115	120	4.5	5.0
Petoskey	A	W	Rare/None	4	75	75	50	50	125	125	5.5	5.5
Phelps	B	M	Rare/None	3	70	70	70	70	140	140	5.0	5.5
Philo	B	M	Occasional	3	70	70	75	75	135	135	5.5	6.0
Pillsbury	C	S	Rare/None	4	60	65	65	75	70	100	2.5	4.0
Pinckney	C	M	Rare/None	3	70	70	75	75	115	120	4.5	4.5
Pipestone	B	S	Rare/None	5	60	65	55	65	70	100	2.5	4.0
Pittsfield	B	W	Rare/None	4	75	75	75	75	140	140	5.5	5.5
Pittstown	C	M	Rare/None	4	65	70	70	70	125	135	5.0	5.5
Plainbo	A	E	Rare/None	5	70	70	50	50	80	80	3.0	3.0
Plainfield	A	E	Rare/None	5	70	70	30	30	90	90	4.5	4.5
Plessis	D	S	Rare/None	3	60	65	65	75	80	95	3.5	4.0
Plymouth	A	E	Rare/None	4	70	70	50	50	75	75	4.0	4.0
Podunk	B	M	Occasional	4	70	70	75	75	130	130	5.5	6.0
Poland	B	W	Rare/None	2	75	75	75	75	140	140	5.5	5.5
Pompton	B	M	Rare/None	4	70	70	50	50	115	115	4.5	5.0
Pootatuck	B	M	Occasional	4	70	70	65	65	130	130	5.0	5.5
Pope	B	W	Occasional	4	75	75	75	75	140	140	5.5	5.5
Potsdam	C	W	Rare/None	4	70	70	70	70	120	120	5.0	5.0
Poygan	D	V	Rare/None	1	50	60	60	70	70	90	2.0	3.0
Punsit	C	S	Rare/None	3	60	65	65	75	95	110	3.0	4.5
Pyrities	B	W	Rare/None	4	75	75	75	75	140	140	5.5	5.5
Quetico	D	W	Rare/None	4	70	70	50	50	65	65	3.0	3.0
Quetico-Rock Outcrop	D	W	Rare/None	4	70	70	50	50	65	65	3.0	3.0
Raquette	B	S	Rare/None	4	60	70	60	70	105	120	4.0	5.0
Rawsonville	C	W	Rare/None	5	75	75	50	50	75	75	4.0	4.0
Rawsonville-Beseman-	C	W	Rare/None	5	75	75	50	50	75	75	4.0	4.0
Rayne	B	W	Rare/None	3	75	75	75	75	130	130	5.0	5.0
Raynham	C	S	Occasional	3	55	65	65	75	95	125	3.5	4.5
Raypol	C	P	Rare/None	3	55	60	60	75	75	90	2.5	3.5
Red Hook	C	S	Rare/None	4	60	65	65	75	105	125	3.5	4.5
Redwater	B	S	Frequent	3	65	70	75	75	135	135	4.5	5.5
Remsen	D	S	Rare/None	2	60	65	65	75	90	115	3.0	4.5
Retsof	C	S	Rare/None	2	60	65	65	75	95	115	3.5	4.5
Rexford	C	S	Rare/None	4	50	65	65	75	90	110	3.0	4.5

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Soil Type	HC	D	Flooding Frequency	SM G	N uptake efficiency		Soil N supply		Yield Potential			
					%		lbs N/acre		Corn bu/acre		Alfalfa tons/acre	
					UDr	Dr	UDr	Dr	UDr	Dr	UDr	Dr
Rhinebeck	D	S	Rare/None	2	60	65	65	75	105	120	4.0	4.5
Ricker	A	E	Rare/None	4	70	70	60	60	75	75	4.0	4.0
Ricker-Lyman	A	E	Rare/None	4	70	70	60	60	75	75	4.0	4.0
Ridgebury	C	P	Rare/None	4	55	65	60	70	90	110	3.0	4.0
Rifle	A	V	Rare/None	6	50	65	90	130	60	130	2.5	3.5
Riga	D	M	Rare/None	2	70	70	75	75	120	120	4.5	4.5
Rippowam	C	P	Frequent	4	55	65	60	70	80	105	2.5	3.5
Riverhead	B	W	Rare/None	4	75	75	40	40	105	105	4.5	5.5
Rockaway	C	W	Rare/None	2	75	75	75	75	125	125	5.5	5.5
Romulus	D	P	Rare/None	2	55	60	60	75	80	100	3.0	4.0
Ross	B	W	Rare/None	2	75	75	75	75	155	155	6.0	6.0
Roundabout	C	S	Rare/None	3	60	60	60	70	95	110	3.5	4.0
Rumney	C	P	Frequent	2	55	65	65	75	85	115	2.0	4.0
Runeberg	C	P	Rare/None	4	50	55	60	70	70	90	2.0	3.0
Ruse	D	P	Rare/None	4	55	60	55	65	75	90	2.5	3.5
Rushford	B	M	Rare/None	3	70	70	75	75	120	125	4.5	5.0
Saco	D	V	Frequent	3	50	55	65	75	65	95	2.0	3.0
Salamanca	B	M	Rare/None	3	70	70	75	75	100	105	4.0	4.5
Salmon	B	W	Rare/None	4	75	75	70	70	115	115	5.0	5.0
Sapristis	A/D	V	Rare/None	6	55	65	90	130	60	150	2.0	3.5
Saugatuck	C	S	Rare/None	5	60	65	60	70	70	95	3.0	4.5
Scantic	D	P	Rare/None	2	55	60	65	75	90	100	3.0	4.5
Scarboro	D	P	Rare/None	4	55	65	60	70	75	105	2.5	4.0
Schoharie	C	M	Rare/None	1	70	70	75	75	135	135	5.0	5.0
Schroon	B	M	Rare/None	5	70	70	50	50	130	130	5.0	5.0
Schuyler	B	M	Rare/None	3	70	70	75	75	115	115	4.5	5.0
Scio	B	M	Rare/None	3	70	70	75	75	135	140	5.0	5.5
Scituate	B	M	Rare/None	4	70	70	75	75	115	115	4.5	4.5
Scriba	C	S	Rare/None	4	60	65	65	75	94	105	3.5	4.5
Searsport	D	P	Rare/None	4	55	65	60	70	75	105	2.5	4.0
Shaker	C	P	Rare/None	2	60	65	65	75	105	125	3.5	4.5
Shoreham	D	V	Rare/None	2	50	60	70	70	65	95	2.0	3.5
Sisk	C	V	Rare/None	4	55	60	65	75	60	85	2.0	3.5
Skerry	C	M	Rare/None	5	60	65	65	75	95	100	4.0	4.5
Sloan	B	V	Frequent	3	50	55	65	75	70	90	2.0	3.5
Sodus	C	W	Rare/None	4	75	75	75	75	120	120	5.0	5.0
Somerset	C	P	Rare/None	5	60	65	65	75	90	105	3.0	4.5
St Johns	D	P	Rare/None	4	55	65	60	70	75	105	2.5	4.0

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Soil Type	HC	D	Flooding Frequency	SM G	N uptake efficiency		Soil N supply		Yield Potential			
					%		lbs N/acre		Corn bu/acre		Alfalfa tons/acre	
					UDr	Dr	UDr	Dr	UDr	Dr	UDr	Dr
Staatsburg	C	W	Rare/None	3	75	75	70	70	90	90	4.0	4.0
Stafford	C	S	Rare/None	4	60	65	50	60	95	110	3.5	4.5
Steamburg	B	M	Rare/None	3	70	70	75	75	100	105	4.0	4.5
Stetson	B	W	Rare/None	5	75	75	70	70	110	110	5.0	5.0
Stissing	C	P	Rare/None	4	60	65	60	70	90	115	2.5	4.0
Stockbridge	C	W	Rare/None	3	75	75	75	75	140	140	5.5	5.5
Stockholm	C	P	Rare/None	5	60	60	60	70	90	100	3.0	4.0
Stowe	B	W	Rare/None	4	75	75	65	65	110	110	4.5	4.5
Sudbury	B	M	Rare/None	4	60	65	65	65	105	110	4.0	5.0
Suffield	B	M	Rare/None	2	70	70	80	80	135	135	5.0	5.5
Summerville	D	E	Rare/None	4	70	70	50	50	80	80	4.0	4.0
Sun	D	V	Rare/None	4	55	60	60	70	75	100	2.5	3.5
Sunapee	B	M	Rare/None	4	70	70	65	65	95	110	3.5	4.5
Suncook	A	E	Occasional	5	70	70	40	40	90	90	3.0	3.0
Suny	D	P	Rare/None	4	50	55	60	70	70	110	2.0	3.4
Surplus	C	V	Rare/None	4	55	60	65	75	60	90	2.0	3.5
Surplus-Sisk	C	V	Rare/None	4	55	60	65	75	60	90	2.0	3.5
Sutton	B	M	Rare/None	4	70	70	70	70	130	130	5.0	5.0
Swanton	C	P	Rare/None	4	60	65	50	60	95	125	3.0	4.5
Swartswood	C	W	Rare/None	4	75	75	70	70	120	120	5.0	5.0
Swormville	C	S	Rare/None	1	60	65	65	75	90	115	3.0	4.5
Taconic	C	W	Rare/None	3	75	75	75	75	75	90	3.5	3.5
Taconic-Macomber	C	W	Rare/None	3	75	75	75	75	75	90	3.5	3.5
Tawas	A	V	Rare/None	6	50	65	90	130	60	130	2.5	3.5
Teel	B	M	Frequent	2	65	70	75	75	140	140	4.5	5.5
Tioga	B	W	Occasional	3	75	75	75	75	140	140	6.0	6.0
Toledo	D	V	Rare/None	2	50	60	70	80	70	100	2.0	3.5
Tonawanda	D	S	Rare/None	2	60	65	65	75	105	120	3.0	4.5
Tor	D	S	Rare/None	4	60	60	65	75	60	85	2.0	3.5
Torull	D	S	Rare/None	3	60	65	65	75	90	110	3.0	4.0
Towerville	B	M	Rare/None	3	70	70	75	75	115	115	4.5	5.0
Trestle	B	W	Occasional	3	75	75	75	75	145	145	5.5	5.5
Trout River	A	E	Rare/None	5	70	70	50	50	95	95	4.0	4.0
Troy	C	M	Rare/None	3	70	70	70	70	120	125	5.0	5.5
Trumbull	D	P	Rare/None	1	55	60	65	75	75	105	2.5	3.5
Tughill	D	V	Rare/None	4	50	55	55	65	60	85	2.5	3.5
Tuller	D	S	Rare/None	3	60	65	65	75	80	95	3.5	4.0

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					UDr	Dr	UDr	Dr	UDr	Dr	UDr	Dr
Tunbridge	C	W	Rare/None	4	75	75	70	70	90	90	4.5	4.5
Tunbridge-Adirondack	C	W	Rare/None	4	75	75	70	70	90	90	4.5	4.5
Tunkhannock	A	W	Rare/None	3	75	75	75	75	120	120	5.5	5.5
Turin	C	S	Rare/None	2	60	65	70	80	105	125	3.0	4.5
Tuscarora	C	M	Rare/None	4	70	70	50	50	125	125	5.5	5.5
Unadilla	B	W	Rare/None	3	75	75	75	75	140	140	6.0	6.0
Valois	B	W	Rare/None	3	75	75	75	75	130	130	5.5	5.5
Varick	D	P	Rare/None	2	55	60	75	75	80	100	2.5	3.5
Varysburg	B	W	Rare/None	2	70	70	75	75	130	130	5.5	5.5
Venango	C	S	Rare/None	3	60	65	60	70	100	120	3.5	4.5
Vergennes	C	M	Rare/None	1	70	70	75	75	115	120	4.5	5.0
Vly	C	W	Rare/None	3	75	75	75	75	90	90	4.0	4.0
Volusia	C	S	Rare/None	3	60	65	60	70	95	105	3.5	4.5
Waddington	A	W	Rare/None	4	75	75	60	60	125	125	5.0	5.0
Wainola	B	S	Rare/None	5	60	65	60	70	85	125	3.0	4.5
Wakeland	C	S	Frequent	3	60	65	75	75	90	115	3.5	4.5
Wakeville	B	S	Occasional	3	60	65	65	75	95	110	4.0	5.0
Wallace	B	E	Rare/None	5	70	70	40	40	90	100	4.0	4.0
Wallington	C	S	Rare/None	3	60	65	65	75	105	115	3.5	4.5
Walkill	C	V	Frequent	3	50	60	65	80	65	125	2.0	4.0
Walpole	C	P	Rare/None	4	65	68	55	60	80	105	3.0	4.5
Walton	C	W	Rare/None	3	75	75	75	75	125	125	5.5	5.5
Wampsville	B	W	Rare/None	3	75	75	75	75	140	140	5.5	5.5
Wappinger	B	W	Occasional	3	75	75	75	75	140	140	6.0	6.0
Wareham	C	P	Rare/None	5	60	65	65	75	90	105	3.0	4.5
Warners	C	V	Frequent	3	50	60	70	75	75	90	2.0	3.5
Wassaic	B	M	Rare/None	4	70	70	65	65	120	120	4.5	4.5
Watchaug	B	M	Rare/None	4	70	70	70	70	120	120	3.0	4.0
Waumbeck	B	M	Rare/None	4	70	70	65	65	95	105	3.0	4.5
Wayland	C/D	P	Frequent	2	55	60	60	75	70	95	2.5	3.5
Weaver	C	M	Occasional	3	70	70	75	75	120	130	3.5	4.5
Wegatchie	D	P	Rare/None	3	55	65	70	80	90	110	2.5	4.0
Wellsboro	C	M	Rare/None	3	70	70	75	75	115	125	4.5	5.0
Wenonah	C	W	Occasional	4	75	75	65	65	130	130	5.0	5.0
Westbury	B	S	Rare/None	4	60	65	60	70	80	100	3.0	4.5
Westland	C	V	Rare/None	2	50	55	60	75	90	110	2.5	3.5
Wethersfield	C	W	Rare/None	4	75	75	75	75	120	120	5.5	5.5

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					UDr	Dr	UDr	Dr	UDr	Dr	UDr	Dr
Wharton	C	M	Rare/None	2	70	70	75	75	120	120	4.5	5.0
Whately	D	V	Rare/None	4	50	60	60	70	60	105	2.0	3.5
Whippany	C	S	Rare/None	2	60	65	65	75	105	115	3.5	4.5
Whitelaw	B	W	Rare/None	4	75	75	65	65	135	135	5.5	5.5
Whitman	D	V	Rare/None	4	50	60	60	75	76	90	2.0	3.5
Wilbraham	C	S	Rare/None	4	60	65	60	65	95	110	3.0	4.5
Willdin	C	M	Rare/None	3	70	70	75	75	115	120	4.5	5.0
Willette	A	V	Rare/None	6	50	65	90	130	60	130	2.5	3.5
Williamson	C	M	Rare/None	4	70	70	70	70	115	120	4.5	5.0
Willowemoc	C	M	Rare/None	3	70	70	75	75	115	125	4.5	5.0
Wilmington	D	P	Rare/None	4	55	60	60	70	75	110	2.5	4.0
Wilpoint	D	M	Rare/None	1	70	70	80	80	105	110	4.0	5.0
Windsor	A	E	Rare/None	5	70	70	40	40	90	90	4.5	4.5
Winooski	B	M	Rare/None	4	70	70	75	75	135	135	5.0	5.0
Wolcottsburg	D	P	Rare/None	1	55	60	65	75	75	105	2.5	3.5
Wonsqueak	D	V	Rare/None	6	55	65	90	130	60	150	2.0	3.5
Woodbridge	C	M	Rare/None	4	70	70	75	75	120	125	4.5	5.0
Woodlawn	B	W	Rare/None	4	75	75	75	75	80	80	4.5	4.5
Woodstock	D	E	Rare/None	4	70	70	60	60	75	75	4.0	4.0
Woodstock-Rock Outcrop	D	E	Rare/None	4	70	70	60	60	75	75	4.0	4.0
Wooster	C	W	Rare/None	3	75	75	75	75	125	125	5.0	5.0
Woostern	C	W	Rare/None	3	75	75	75	75	130	130	5.5	5.5
Woostern-Bath-Valois	C	W	Rare/None	3	75	75	75	75	130	130	5.5	5.5
Worden	C	S	Rare/None	4	60	60	65	75	60	75	2.0	3.5
Worth	C	W	Rare/None	4	75	75	70	70	105	105	4.5	4.5
Wurtsboro	C	M	Rare/None	4	70	70	70	70	115	120	4.0	4.5
Wyalusing	D	P	Frequent	3	55	60	65	75	75	95	3.0	4.0
Yalesville	C	W	Rare/None	4	75	75	60	60	105	105	5.0	5.0
Yorkshire	C	M	Rare/None	3	70	70	75	75	100	110	3.5	4.0