

Ag. Waste Application and Excavated Ponds
McCook County, South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation.)

Map symbol and soil name	Pct. of map unit	Application of manure and food-processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Ba: Baltic-----	85	Very limited Restricted permeability Ponding Depth to saturated zone Runoff limitation	1.00 1.00 1.00 0.40	Somewhat limited Slow refill Cutbanks cave	0.97 0.10
Bb: Baltic-----	90	Very limited Restricted permeability Ponding Depth to saturated zone Runoff limitation	1.00 1.00 1.00 0.40	Somewhat limited Slow refill Cutbanks cave	0.97 0.10
BcE: Betts-----	85	Very limited Slope Restricted permeability	1.00 0.50	Very limited Deep to water	1.00
BdB: Blendon-----	85	Not limited		Very limited Deep to water	1.00
Bo: Bon-----	85	Somewhat limited Flooding	0.60	Very limited Cutbanks cave Deep to water	1.00 0.81
Ca: Chaska-----	90	Very limited Flooding Depth to saturated zone Leaching limitation	1.00 1.00 0.70	Very limited Cutbanks cave Deep to water	1.00 0.01

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Cb: Clamo-----	85	Very limited Restricted permeability Depth to saturated zone Flooding Leaching limitation	1.00 1.00 0.60 0.50	Very limited Slow refill Cutbanks cave Salty water	1.00 0.10 0.01
CcB: Clarno-----	85	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
CcC: Clarno-----	80	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
CdA: Clarno-----	50	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Bonilla-----	30	Not limited		Very limited Deep to water	1.00
CeB: Clarno-----	50	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Davison-----	30	Somewhat limited Depth to saturated zone	0.68	Very limited Deep to water	1.00
CfA: Clarno-----	40	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Davison-----	30	Somewhat limited Depth to saturated zone	0.68	Very limited Deep to water	1.00

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Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Aquifer-fed excavated ponds	
		Rating class and limiting features	Value	Rating class and limiting features	Value
Crossplain-----	20	Very limited Flooding Depth to saturated zone Restricted permeability	1.00 1.00 0.81	Very limited Deep to water	1.00
ChB: Clarno-----	50	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Ethan-----	40	Not limited		Very limited Deep to water	1.00
Ck: Crossplain-----	85	Very limited Flooding Depth to saturated zone Restricted permeability	1.00 1.00 0.81	Very limited Deep to water	1.00
Co: Crossplain-----	45	Very limited Flooding Depth to saturated zone Restricted permeability	1.00 1.00 0.81	Very limited Deep to water	1.00
Clarno-----	40	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Cr: Crossplain-----	55	Very limited Flooding Depth to saturated zone Restricted permeability	1.00 1.00 0.81	Very limited Deep to water	1.00
Dudley-----	25	Very limited Restricted permeability Sodium content Runoff limitation Salinity	1.00 1.00 0.40 0.06	Very limited Slow refill Deep to water Salty water Cutbanks cave	1.00 0.90 0.78 0.10

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DaA: Davis-----	85	Not limited		Somewhat limited Deep to water Slow refill Cutbanks cave	0.81 0.30 0.10
DaB: Davis-----	95	Not limited		Very limited Deep to water	1.00
Dd: Davison-----	45	Somewhat limited Depth to saturated zone	0.68	Very limited Deep to water	1.00
Crossplain-----	40	Very limited Flooding Depth to saturated zone Restricted permeability	1.00 1.00 0.81	Very limited Deep to water	1.00
DeB: Delmont-----	85	Very limited Depth to dense layer Filtering capacity Droughty	1.00 1.00 0.17	Very limited Deep to water	1.00
DnA: Delmont-----	60	Very limited Depth to dense layer Filtering capacity Droughty	1.00 1.00 0.17	Very limited Deep to water	1.00
Enet-----	30	Very limited Filtering capacity	1.00	Very limited Deep to water	1.00
EaC: Egan-----	60	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Ethan-----	30	Not limited		Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
EbC: Ethan-----	85	Not limited		Very limited Deep to water	1.00
EcD: Ethan-----	60	Somewhat limited Slope	0.63	Very limited Deep to water	1.00
Betts-----	30	Somewhat limited Slope Restricted permeability	0.63 0.50	Very limited Deep to water	1.00
HaB: Hand-----	85	Not limited		Very limited Deep to water	1.00
HbA: Hand-----	55	Not limited		Very limited Deep to water	1.00
Bonilla-----	30	Not limited		Very limited Deep to water	1.00
HcB: Hand-----	50	Not limited		Very limited Deep to water	1.00
Davison-----	30	Somewhat limited Depth to saturated zone	0.68	Very limited Deep to water	1.00
HdA: Hand-----	35	Not limited		Very limited Deep to water	1.00
Davison-----	35	Somewhat limited Depth to saturated zone	0.68	Very limited Deep to water	1.00
Crossplain-----	25	Very limited Flooding Depth to saturated zone Restricted permeability	1.00 1.00 0.81	Very limited Deep to water	1.00
HeB: Hand-----	55	Not limited		Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Ethan-----	30	Not limited		Very limited Deep to water	1.00
HuA: Huntimer-----	85	Very limited Restricted permeability	1.00	Very limited Deep to water	1.00
La: Lamo-----	90	Very limited Depth to saturated zone Flooding Restricted permeability	1.00 0.60 0.50	Somewhat limited Slow refill Cutbanks cave Deep to water	0.47 0.10 0.01
M-W: Miscellaneous Water-	100	Not rated		Not rated	
Sa: Salmo-----	85	Very limited Depth to saturated zone Flooding Restricted permeability Salinity Leaching limitation	1.00 1.00 0.81 0.50 0.50	Somewhat limited Salty water Slow refill Cutbanks cave	0.50 0.47 0.10
TaD: Talmo-----	45	Very limited Filtering capacity Droughty Leaching limitation Slope	1.00 0.76 0.45 0.37	Very limited Deep to water	1.00
Betts-----	40	Somewhat limited Restricted permeability Slope	0.50 0.37	Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
Tb: Tetonka-----	85	Very limited Restricted permeability Ponding Depth to saturated zone Leaching limitation	1.00 1.00 1.00 0.50	Somewhat limited Slow refill Cutbanks cave Salty water	0.30 0.10 0.01
Tc: Tetonka-----	60	Very limited Restricted permeability Ponding Depth to saturated zone Leaching limitation	1.00 1.00 1.00 0.50	Somewhat limited Slow refill Cutbanks cave Salty water	0.30 0.10 0.01
Canisteo-----	35	Very limited Depth to saturated zone Leaching limitation	1.00 0.70	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
Td: Trent-----	85	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
TeD: Talmo-----	90	Very limited Filtering capacity Droughty Leaching limitation Slope	1.00 0.76 0.45 0.37	Very limited Deep to water	1.00
W: Water-----	100	Not rated		Not rated	
WaA: Wentworth-----	85	Not limited		Very limited Deep to water	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value
WbB: Wentworth-----	85	Not limited		Very limited Deep to water	1.00
WcB: Wentworth-----	60	Not limited		Very limited Deep to water	1.00
Ethan-----	30	Not limited		Very limited Deep to water	1.00
WdA: Wentworth-----	45	Not limited		Very limited Deep to water	1.00
Trent-----	35	Somewhat limited Restricted permeability	0.50	Very limited Deep to water	1.00
Tetonka-----	15	Very limited Restricted permeability Ponding Depth to saturated zone Leaching limitation	1.00 1.00 1.00 0.50	Somewhat limited Slow refill Cutbanks cave Salty water	0.30 0.10 0.01
Wh: Whitewood-----	85	Very limited Flooding Depth to saturated zone Leaching limitation Restricted permeability	1.00 1.00 0.50 0.50	Somewhat limited Slow refill Cutbanks cave	0.97 0.10
Wo: Worthing-----	85	Very limited Restricted permeability Ponding Depth to saturated zone Runoff limitation	1.00 1.00 1.00 0.40	Somewhat limited Slow refill Cutbanks cave Salty water	0.97 0.10 0.01

